



GAS & WATER COMMITTEE AGENDA

DATE: October 21, 2021

TIME: 4:30 p.m.

LOCATION: Clarksville Gas & Water Department

I. CALL TO ORDER

II. ANNOUNCE MEMBERS IN ATTENDANCE (VERIFY QUORUM)

III. ADOPTION OF MINUTES: July 22, 2021

IV. DEPARTMENT REPORTS:

1. Bid – Summary – Camille Thomas (attached)
2. Professional Services – Camille Thomas (attached)
 - Electrical Training for Gas & Water employees from Shermco. Cost shall be determined based on the type of training received.
 - Design of the High Point Road LP Natural Gas Main Extensions from Clark Engineering & Utility Solutions, LLC in the amount of \$84,100.00.
 - North Clarksville Water Treatment Plant Construction Monitoring & Testing Services from TTL, Inc. in the amount of \$2,485,291.55.
 - Fee Increase on the Design of the Fire & Security System Replacement Project from WBW Engineering in the amount of \$52,040.00 for a total cost of \$78,390.00.
 - Fee Increase on the Miscellaneous Engineering & Surveying Services in support of Capital Improvement Projects contract with Suiter Surveying & Land Planning in the amount of \$30,000.00 for a total cost of \$80,000.00.
 - Design of the Ivy Bend Impressed Current Cathodic Protection System from Southern Cathodic Protection Company in the amount of \$22,820.00.
3. Sale of Surplus Property for the months of July, August & September 2021 - \$42.00. Camille Thomas (attached)
4. Bad Debt – Dawn Thomack (attached)
5. Financials – Dawn Thomack (attached)
6. Department Reports – Mark Riggins (attached)

V. COMMITTEE ACTION REQUIRED

VI. CITY COUNCIL ACTION REQUIRED

VII. ADJOURNMENT

VIII. PUBLIC COMMENTS (5 minutes each)



GAS & WATER COMMITTEE July 22, 2021

MINUTES

CALL TO ORDER

A meeting of the City of Clarksville Gas & Water Committee was called to order by Chairman Wallace Redd, on Thursday, July 22, 2021, at 4:32 p.m.

ATTENDANCE

The following were in attendance:

Councilman Wallace Redd, Councilwoman Stacey Streetman, Mark Riggins, Dawn Thomack, Camille Thomas, and Mandy Phillips.

ADOPTIONS OF MINUTES

Councilwoman Stacey Streetman made a motion to approve the minutes of the April 22, 2021 committee meeting, Councilman Wallace Redd seconded it, and the motion passed unanimously.

DEPARTMENT REPORTS

Camille Thomas reported the Bid-Summary for the month.

Camille Thomas also reported the following professional services for the month:

- Miscellaneous Real Estate Appraisals in support of Capital Improvement Projects from Mark Young Real Estate Appraisals in the amount of \$50,000.00.
- Design of the Dunlop Lane Natural Gas Main Extension from Clark Engineering & Utility Solutions, LLC in the amount of \$32,560.00.
- Design, Easement and Construction Plans for the Oak Street Lift Station Replacement from Gresham Smith in the amount of \$720,000.00.

- Miscellaneous Engineering Services in support of Capital Improvement Projects from Clark Engineering & Utility Solutions, LLC in the amount of \$100,000.00.
- Miscellaneous Engineering Services in support of Capital Improvement Projects from AECOM Technical Services, Inc. in the amount of \$75,000.00.

Sale of surplus property on GovDeals.com for the months of May and June 2021 totaling \$32,635.00 was reported by Camille Thonas.

Bad Debt was reported by Dawn Thomack by explaining the write-off report for the month of June 2021.

Dawn Thomack also reported the Financials for the month of June 2021.

Mark Riggins presented and discussed the department reports included in the packet.

Mark Riggins also discussed and updated the committee on TN Riverkeepers vs City of Clarksville.

COMMITTEE ACTION REQUIRED

Discussion of proposed 4:30 p.m. meeting time. Councilwoman Stacey Streetman made a motion for approval, Councilman Wallace Redd seconded it, and the same passed unanimously.

CITY COUNCIL ACTION REQUIRED

ADJOURNMENT

The meeting was adjourned at 5:09 p.m.

**GAS & WATER DEPARTMENT
BID SUMMARY
OCTOBER 21, 2021**

The following bids/proposals have been solicited, opened and have been approved by the Purchasing Director. All are low bid/proposal except where noted.

<u>BID #</u>	<u>DESCRIPTION</u>	<u>AWARDED TO</u>	<u>AMOUNT</u>
4208	Dumpster Liners	Extra Packaging	\$26.00 Each
4219	Ductile Iron & PVC Pipe	Hayes Pipe Supply, Inc.	\$ 58,399.40
4220	Quazite PG Style Polymer Concrete Water Meter Boxes & Lids	Hayes Pipe Supply, Inc.	\$ 397,493.50
4223	Four (4) 20 Ton Tag-A-Long Trailers	LMI, Inc.	\$ 79,200.00
4226	Northwest Manifold Improvements	Cleary Construction	\$3,379,660.00

SOLE SOURCE PURCHASES:

1. Future purchases of equipment and service for Atlas Copco air compressors from Evapar, Inc.
2. Future purchases of wireless service, radio upgrades, and repairs on the OmniSite equipment from OmniSite.
3. Future purchases of after-hours phone answering service for customer and emergency calls through Mid-State Communications.
4. Future purchases of Flygt pumps, parts and repairs from Nedrow and Associates.
5. Future purchases of E-One pumps, parts and service from WASCON.
6. Future purchases of 332-AP pump controllers, parts and service from DEVAR Inc.
7. Future purchases of Smith and Loveless pumps, parts and service from Van Brocklin & Associates.
8. Future purchases of Elgin and Vactor equipment, parts and service from Sansom Equipment Company.
9. Future purchases of Rotork actuators, control systems, parts and service from Echo-Tech, Inc.
10. Future purchases of Amwell clarifiers, parts and service from J.T Guthrie & Son.
11. Future purchases of Fairbanks More Municipal pumps and parts from Guthrie Sales.
12. Future purchases for inspection of grease traps and management services from MMS Monitoring and Management Services.
13. Future purchases and repair of the fire and security system at Gas & Water from Systems Company.
14. Future purchases of PRONAL inflatable trench shield system SMARTSHORE from Chris George Sales Company.

15. Future purchases and repair of parts for sludge handling pumps from Southern Sales Company.
16. Future purchases of Case equipment, parts and service from Diamond Equipment Company.
17. Future purchases of John Deere equipment, parts and service from Meade Equipment.
18. Future purchases of Beck actuators, repairs and maintenance from Harold Beck & Sons, Inc.
19. Future purchases of Caterpillar equipment, parts and service from Thompson Machinery.
20. Future purchases of Fluid Conservation Systems brand of leak detection equipment, parts and service from Rye Engineering.
21. Future purchases of Flow-Tronic equipment, parts and service from Rye Engineering.
22. Future purchases of Bobcat equipment, parts and service from Bobcat of Clarksville.
23. Future purchases of Rosemount measurement and analytical products, repairs and service from Kazmier and Associates.
24. Future purchases of Allen-Bradley controls, drives, Rockwell Software and parts and service from Irby Electrical Company.
25. Future purchases of Headworks equipment, parts and service from Kazmier and Associates.
26. Future purchases of Jet-Vac equipment, parts and service from Sewer Equipment Company of America.
27. Future purchases of Neptune water meters and parts from Southern Pipe and Supply.

STATE CONTRACT PURCHASES:

1. Purchase of three Ford Ranger 4x2 Ext. Cab trucks from Lonnie Cobb Ford in the amount of \$73,119.00.
2. Purchase of three laptops for the Water Plant from Dell in the amount of \$5,948.07.

Bid 4208-Dumpster Liners

Extra Packaging	\$26.00 Each*
Sound Waste Management	No Response
International Plastics	No Response

Bid 4219-Ductile Iron & PVC Pipe

Hayes Pipe Supply Inc.	\$58,399.40*
Core & Main	\$33,353.00**
Consolidated Pipe & Supply	\$59,696.00
Southern Pipe & Supply	\$61,569.70
Fortiline	\$66,283.40
G&C Supply	No Bid

Ferguson Enterprises	No Response	Local
----------------------	-------------	-------

**Did not bid all items

Bid 4220-Quazite PG Style Polymer Concrete Water Meter Boxes and Replacement Lids

Hayes Pipe Supply, Inc.	\$397,493.50*	
Fortiline	\$479,694.25	
G&C Supply	No Bid	
Core & Main	No Bid	
Consolidated Pipe & Supply	No Response	
Kenny Pipe & Supply	No Response	Local
C.I. Thornburg Company	No Response	
General Utilities Pipe & Supply	No Response	
Southern Pipe & Supply	No Response	
Ferguson Enterprises	No Response	Local
Volunteer Utility Sales, Inc.	No Response	
Construction Site Services	No Response	
The Macomb Group	No Response	Local
Vanguard Utility Service, Inc.	No Response	

Bid 4223-Four (4) 20 Ton Tag-A-Long Trailers

LMI, Inc.	\$ 79,200.00*	
Technology International	\$101,000.00	
Chattanooga Trailer & Rental	\$102,100.00	
Holden Industries	\$107,488.00	
RJV Equipment	\$114,920.00	
Thompson Machinery	No Bid	Local
Smoky Mountain Motors	No Response	
Big Orange Sales & Service	No Response	
Econoline Trailers	No Response	
Utility Equipment Service	No Response	
Parmon Tractor & Equipment	No Response	
Ditch Witch of Tennessee	No Response	
Bobcat of Knoxville	No Response	
Wholesale Trailer & Livestock Equipment	No Response	
Stephan L. Green Trailers	No Response	
J Pro	No Response	
Vermeer	No Response	
Conserv Machinery	No Response	

Bid 4226-Northwest Manifold Improvements

Cleary Construction	\$3,379,660.00*
Reynolds Construction	\$4,176,512.50
Miche LS Corporation	No Bid
3D Enterprises Contracting Corporation	No Response
Adams Robinson	No Response
Blakley Construction	No Response
Cumberland Valley Constructors	No Response
DJ Shubeck Company	No Response

Dugan & Meyers	No Response	
Haren Construction Company, Inc.	No Response	
John Bouchard & Sons Company	No Response	
Judy Construction	No Response	
MWH Constructors	No Response	
Neely Engineering & Contracting	No Response	Local
Pernell Excavating	No Response	
Reeves & Young	No Response	
Smith Contractors, Inc.	No Response	
David Dickson	No Response	
Appalachian Pipeline Contractors, LLP	No Response	
Byard Construction, LLC	No Response	Local
C.J. Hughes	No Response	
Holloman Corporation	No Response	
J Cumby Construction	No Response	
J.F. Construction Services	No Response	
James N Bush Construction Inc.	No Response	
L&G Construction	No Response	
Martin Contracting	No Response	
Meadows Construction	No Response	
MG Dyess, Inc.	No Response	
Moore Construction Company, Inc.	No Response	Local
Norris Brothers Excavating, LLC	No Response	
Parchman Construction Company	No Response	
Progressive Pipeline	No Response	
Schmid Pipeline Construction Inc.	No Response	
Scoot & Ritter	No Response	
Strike	No Response	
Team Construction, LLC	No Response	
W&O Construction Co. Inc.	No Response	
Equix Energy Services, LLC	No Response	
Bobby Luttrell and Sons, LLC	No Response	
Civil Constructors LLC	No Response	
Conrad Construction Company	No Response	
Crossfire LLC	No Response	
Crowder Construction	No Response	
Dynamic Construction	No Response	
Fisher Contracting Company	No Response	
Garney Construction	No Response	
Goodrich Construction Company, LLC	No Response	Local
Jeff Shepherd Construction	No Response	Local
Jones Brothers Contractors LLC	No Response	
Means Backhoe Service	No Response	
Morgan Contracting	No Response	
Pride Concrete	No Response	Local
R. Lafferty & Son	No Response	Local
Ronald Franks Construction	No Response	
SAK Construction, LLC	No Response	
Summit Contractors, Inc.	No Response	

Triple S Contracting	No Response	Local
Twin States Utilities & Excavation, Inc.	No Response	
W Rogers Company	No Response	
Dyer Construction	No Response	
Curl Construction & Excavating	No Response	

*Department Recommendation

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	Electrical Training for CGW maintenance employees including NFPA 70B (Arcflash), Basic Electrical Fundamentals, Basic Electrical Technical Skills, Troubleshooting & Electrical Print Reading, Switchgear Operations, Safety & Troubleshooting, and Motor Maintenance & Testing.
NAME OF FIRM:	Shermon Industries
QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:	Largest NETA Accredited Company, 100+ Electrical Engineers, NFPA 70B members with 20+ locations in North America.
YEARS OF EXPERIENCE:	Shermon has been in business since 1974.
SIMILAR PROJECTS PERFORMED FOR THE CITY:	Shermon began working for the City of Clarksville after the 2010 flood. They were instrumental in the electrical rebuild of the entire WWTP facility. CGW currently has an electrical maintenance/installation contract with Shermon.
SIMILAR PROJECTS PERFORMED ELSEWHERE:	Shermon provides training at their facilities in multiple locations in the US and Canada. We will utilize Shermon's electrical training at the CGW facility.
OTHER QUALIFICATIONS:	I have attached Shermon's "about" page from their website.
NAMES OF THOSE INVOLVED IN THE SELECTION (MUST BE 2 OR MORE AND MUST HAVE NO CONFLICT OF INTEREST AS PER PURCHASING POLICY):	Chris Lambert, Chris Cherry, Phillip Whittinghill, Brian Shelton, Jeff Uhter, Tim Roby, Angel Golke, Garth Branch, Ben Clark
DEPARTMENT WHERE FUNDS ARE BUDGETED:	Gas & Water, Training Budgets for WWTP, SCWTP, NCWTP, WD, WWC, Engineering

SIGNATURE OF DEPARTMENT HEAD OF BUDGETARY
DEPT. OR HIS/HER DESIGNEE

DATE

SIGNATURES OF OTHERS INVOLVED IN SELECTION

DATE

SIGNATURE OF PURCHASING SUPERVISOR

DATE

2. COST: ONCE ALL SIGNATURES ABOVE HAVE BEEN SECURED, YOU MAY NOW REQUEST PRICING FROM THE SELECTED FIRM. COST SHALL BE REPORTED TO THE PURCHASING SUPERVISOR ONCE OBTAINED.

ESTIMATED COST (TO BE PROVIDED ONCE DETERMINED):

Cost has not been established at this point; I anticipate a fair market rate for Shermon Training.

Dawn Thomack

Chief Financial Officer

SIGNATURE OF PURCHASING SUPERVISOR

See Attached

7-29-21

DATE

7-29-21

DATE

ATTACHMENT C

Cancellation or Rescheduling:

An order placed by either verbal or written notice with Shermco Industries, Inc., which is accepted by Shermco Industries, Inc., can be canceled or rescheduled only with Shermco Industries, Inc.'s written consent and upon terms that will indemnify Shermco Industries, Inc. against loss. Except as otherwise provided herein, an order shall be non-cancelable unless otherwise provided by a written agreement duly executed by authorized officers of both client and Shermco Industries, Inc. In such cases, client will pay Shermco Industries, Inc. twenty-five percent (25%) of the total invoice amount (including expenses) if the course is canceled or rescheduled within fourteen (14) days of the scheduled commencement date or fifteen percent (15%) of the total invoice amount (including expenses) if the course is canceled between and inclusive of thirty (30) days of the scheduled commencement date.

Any delay of the project that causes Shermco to bear additional costs will be invoiced to the customer at actual cost incurred. This includes airfares and change fees, hotel cancellation charges, shipping of class materials or similar charges. Delays initiated within one week of the training program will result in a demobilization fee of \$750 to cover the costs of the assigned instructor being idled. This fee will be waived if the instructor can be assigned to another project during the originally scheduled time-period.

PRICING:

ON-SITE TRAINING PROGRAM:	Class Size	# Classes	Total
	Up to 15	1	6,500.00
Basic Electrical Fundamentals	Up to 15	1	9,750.00
Basic Electrical Technical Skills	Up to 18	1	6,500.00
Troubleshooting and Electrical Print Reading	Up to 20	2	6,500.00
Understanding NFPA 70E	Up to 20	1	6,500.00
Switchgear Operations, Safety and Troubleshooting for Operators	Up to 16	1	9,750.00
Motor Maintenance and Testing			
			45,500.00
Estimated Travel Related and Shipping Expenses			7,320.00
Estimated Total			\$52,820.00

COURSE DATES:

- See attached email for class dates.*
- Nov 01-02, 2021 - Basic Electrical Fundamentals (16-hours)
 - Nov 03-05, 2021 - Basic Electrical Technical Skills (24-hours)
 - Nov 08-09, 2021 - Troubleshooting and Electrical Print Reading (16-hours)
 - Nov 10, 2021 - Understanding NFPA 70E (8-hours)
 - Nov 11-12, 2021 - Switchgear Operations, Safety and Troubleshooting for Operators (16-hours)
 - Nov 15-17, 2021 - Motor Maintenance and Testing (24-hours)
 - Nov 18, 2021 - Understanding NFPA 70E (8-hours)

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	High Point Road LP Natural Gas Main Extensions – Project will comprise the design of approximately 5,100 L.F. of HDPE 4710 natural gas main and 2,900 L.F. natural gas services along High Point Road and Skyview Circle. Contract Term: design is estimated to require approximately 90 days and construction approximately 150 days.
NAME OF FIRM:	Clark Engineering and Utility Solutions, LLC (Clark Engineering) 325 Mitchell Lane Bolivar, TN 38008
QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:	Mr. Richard Clark, owner of Clark Engineering, has provided specialized natural gas engineering, consulting, and design services to municipalities since 1996 while employed by The Tennergy Corporation and other firms. Clark Engineering utilizes seasoned, licensed professionals to provide overall facilities planning, engineering, and construction administration services. Clark Engineering's staff has extensive experience in providing design services for facilities, including such items as feasibility studies, pipeline extensions, pipeline additions, regulator station capacity ratings, regulator station rehabilitation and new regulator station design, writing and updating of Operation and Maintenance Manuals and Emergency Manuals, bridge and water crossing, and utility line reallocations, and is familiar with all aspects of gas distribution engineering and in meeting regulatory requirements. In addition, Clark Engineering provides master planning services for long-range and short-term projects, including projections, feasibility studies and construction cost estimates, as well as system modeling services.
YEARS OF EXPERIENCE:	24 years (since Aug. 1996) plus 5 years of regulatory experience with TPUC; started CEUS in 2018
SIMILAR PROJECTS PERFORMED FOR THE CITY:	• Red River Bridge Pipeline Relocation and/or Rehabilitation at Two Locations • Gas System Model Development • TDOT SR 13 Relocation (while working for The Tennergy Corp.) • LG Plant Service (while working for The Tennergy Corp.) • Texas Gas Interconnect (while working for The Tennergy Corp.) • Red River Bridge Rehabilitation @ SR374 (while working for The Tennergy Corp.) • O&M Manual Development (while working for The Tennergy Corp.)
SIMILAR PROJECTS PERFORMED ELSEWHERE:	• Jackson Energy Authority – ANR Interconnect and Pipeline (May 2015) • Elk River PUD – 2016/2017 Expansion (November 2016) • Athens Utility Board – North Niota City Gate Station (September 2016) • Murray Gas – Countyline Road HP Steel (July 2017) • Murray Gas – US 641 KYTC Relocation (July 2017) • Elk River PUD – 2015 Phase I Extension (July 2015) • Jackson Energy Authority – TDOT Casey Jones Relocation (June 2016) • Murray Gas – Potter Town Rd (March 2017) • Fayetteville PU – TDOT SR-7 Ardmore (March 2017) • Savannah Utilities – Industrial Park Reg. Station (April 2017) • Brownsville Energy Auth. – SR 19 TDOT Relocation (January 2017) • Savannah Utilities – SR 128 Relocation (March 2017) • Athens Utility Board – SR 30 TDOT Relocation (September 2016) • Athens Utility Board – North Niota Extension (April 2016) • Brownsville E.A. – Thomas Street 6" STL (June 2017) • Smyrna – Jefferson Pike TDOT (June 2017) • Fayetteville PU – Industrial Park Extension (March 2017)
OTHER QUALIFICATIONS:	Mr. Richard Clark, owner of Clark Engineering, has provided professional

REQUEST FOR PROFESSIONAL SERVICE - High Point Road LP Natural Gas Main Extension

Clark Engineering & Utility Solutions, LLC

Page 2

	engineering services to COW, is well experienced in all aspects of gas distribution, engineering as well as meeting regulatory requirements, and has satisfactorily completed numerous projects for COW in the past.
NAMES OF THOSE INVOLVED IN THE SELECTION (MUST BE 2 OR MORE AND MUST HAVE NO CONFLICT OF INTEREST AS PER PURCHASING POLICY):	Troy Jones Tyler Hayes
DEPARTMENT WHERE FUNDS ARE BUDGETED:	Clarksville Gas & Water Department


 SIGNATURE OF DEPARTMENT HEAD OF BUDGETARY DEPT. OR HIS/HER DESIGNEE 9-15-21
 DATE

 SIGNATURES OF OTHERS INVOLVED IN SELECTION 9-15-2021
 DATE

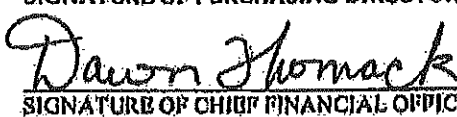
 SIGNATURE OF PURCHASING DIRECTOR 9-16-21
 DATE

2. COST: ONCE ALL SIGNATURES ABOVE HAVE BEEN SECURED, YOU MAY NOW REQUEST PRICING FROM THE SELECTED FIRM. COST SHALL BE REPORTED TO THE PURCHASING DIRECTOR ONCE OBTAINED.

ESTIMATED COST (TO BE PROVIDED ONCE DETERMINED):	\$ 84,100.00
--	--------------

Acknowledgement of cost estimate received:


 SIGNATURE OF DEPARTMENT HEAD/DESIGNEE 9-16-21
 DATE

 SIGNATURE OF PURCHASING DIRECTOR 9-21-21
 DATE

 SIGNATURE OF CHIEF FINANCIAL OFFICER 9-16-21
 DATE

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	NCWTP Construction Monitoring and Testing Services - Services comprise construction materials testing of soil, concrete and asphalt; micropile installation monitoring and load testing, shallow foundation bearing testing, special inspections in accordance with the International Building Code, and other testing, inspection and reporting services associated with the construction of the new North Clarksville Water Treatment Plant. All work is under the direct supervision of professional engineers. Contract Term: North Clarksville Water Treatment Plant construction duration, which is currently estimated at 36 months.
NAME OF FIRM:	TTL, Inc. (TTL), 5010 Linbur Drive, Suite #153, Nashville, TN 37211
QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:	TTL is a civil engineering firm whose diverse staff of nearly 400 scientists and engineers brings together specialized skills, insights, and experience for the benefit of clients' projects. TTL has successfully provided similar services during construction of several water treatment plants and wastewater treatment plants throughout the area. TTL's construction materials testing services include: SOIL AND ROCK ANALYSES: • Soil Classification, Proctor Density, Triaxial Shear, Consolidation, Hydraulic Conductivity • Atterberg Limits, Soil Porosity, Specific Gravity, California Bearing Ratio (CBR) • Grain-Size Analysis and Rock Core Compressive Strength CONCRETE ANALYSES: • Mix Design, Slump, Air Content, Unit Weight, Temperature • Compressive Strength of Cast Concrete Cylinders and Drilled Core Samples • Floor Flatness and Floor Levelness Measurements • Pavement Evaluation NON-DESTRUCTIVE TESTING: • ACI - Level I, II Field Technician, Strength Testing, Level I • AWS Certified Welding Inspector • ASNT NDT - Level I, II, III • NICBT - Level I, II Soil and Concrete • ICC - Reinforced Concrete, Masonry, Structural Steel & Bolting, Structural Welding and Spray Applied Fireproofing Special Inspector • CBTCO - Waterproofing Installation Inspector • Bolted and Welded Connection Inspection • Ultrasonic Testing (UT) • Ultrasonic Thickness Testing (UTT) • Phased Array Ultrasonic Testing (PAUT) • Magnetic Particle Testing (MT) • Liquid Dye Penetrant Testing (PT) • Visual Testing (VT) • Vacuum Leak Testing • Positive Material Identification (PMI) • Portable Hardness Testing • Corrosive Mapping • Leak Testing (LT)

REQUEST FOR PROFESSIONAL SERVICE

NCWTP Construction Testing Services

TTL, Inc.

Page 2

	• Welder Qualifications (PQR, WPS, WPQR) • Coating Inspection SPECIAL INSPECTIONS: TTL personnel hold certifications from the International Code Council (ICC) and American Welding Society, having certifications in Soils Special Inspector, Reinforced Concrete Special Inspector, Structural Masonry Special Inspector, Structural Steel Bolting Special Inspector, Spray Applied Fireproofing Special Inspector, and Certified Welding Inspector. Common special inspections performed in accordance with Chapter 17 of the International Building Code (IBC) include: • Steel construction • Concrete construction • Masonry construction • Wood construction • Soils • Driven deep foundations • Cast-in-place deep foundations • Helical pile foundations • Special inspections for wind resistance • Special inspections for seismic resistance • Mastic and intumescent fire-resistant coatings • Exterior insulation and finish systems (EIFS) OTHER SERVICES: • Deep Foundation Installation Monitoring and Load Testing • HDPE Liner Installation Monitoring • Field Density Testing of Soil and Asphalt • Penetrometer Testing of Foundations • Construction Quality Control and Construction Management • Construction Quality Assurance – Geosynthetic Liner
YEARS OF EXPERIENCE:	Almost 60 Years
SIMILAR PROJECTS PERFORMED FOR THE CITY:	TTL has not provided any inspection services for the City of Clarksville; however, has extensive municipal project experience. CGW: - Geotechnical Services for the North Clarksville Water Treatment Plant (subconsultant to Smith Seckman Reid) - Barkers Mill Boundary Survey - College Street Sewer Repair - Rossview Road Sewer Relocation - Rossview Road Water Relocation - Tucker Property Basement - New Sewer Force Main - Highpoints Row Property Boundary Survey City General - Multimodal Sidewalk - Red River Trail II - Red River Trail East - Heritage Park School Route - Heritage SRTS CEI

REQUEST FOR PROFESSIONAL SERVICE

NCWTP Construction Testing Services

TTL, Inc.

Page 3

	<u>Street Department</u> - Rossview Road Improvements - Edmondson Ferry Road & 41a Bypass Intersection - Cardinal Lane Extension - Exit 3 Frontage Road - Edmondson Ferry I - Dunlap and International Intersection <u>CDB</u> - Maintenance and Transformer Building - Parking Master Plan
SIMILAR PROJECTS PERFORMED ELSEWHERE:	TTL has extensive project experience, which includes: - McBreen WWTP and Hwy 70 PS Improvements (McBreen, TN) - Sinking Creek WWTP Addition Phases 4C and 4D (Murfreesboro, TN) - Portland WWTP Addition (Portland, TN) - Franklin WTP Addition (Franklin, TN) - Smyrna WWTP Addition (Smyrna, TN) - Harpeth Valley Utility District Water Plant Addition (Nashville, TN) - Stones River WTP (Murfreesboro, TN)
OTHER QUALIFICATIONS:	TTL's Nashville staff will primarily provide services; however, it will also utilize its resources in the Clarksville area. TTL has a 2020 EMR of 0.70, and the safety of TTL's team members is paramount on every project. TTL has effectively used its formal safety program including weekly safety meetings and its safety incentive program to continually improve its industry-leading safety record. TTL continuously trains its team, allowing them to gain valuable experience. TTL's laboratories in Tuscaloosa, AL, Albany and Valdosta, GA and Nashville, TN are AASHTO-accredited.
NAMES OF THOSE INVOLVED IN THE SELECTION (MUST BE 2 OR MORE AND MUST HAVE NO CONFLICT OF INTEREST AS PER PURCHASING POLICY):	Garth Branch, PE Tom Heath, PE
DEPARTMENT WHERE FUNDS ARE BUDGETED:	Clarksville Gas & Water Department

SIGNATURE OF DEPARTMENT HEAD OF BUDGETARY DEPT. OR HIS/HER DESIGNEE

08-04-2020

DATE

SIGNATURES OF OTHERS INVOLVED IN SELECTION

8/4/2020

DATE

SIGNATURE OF PURCHASING DIRECTOR

8-6-20

DATE

REQUEST FOR PROFESSIONAL SERVICE

NCWTP Construction Testing Services

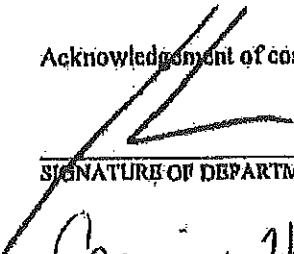
TTL, Inc.

Page 4

2. COST: ONCE ALL SIGNATURES ABOVE HAVE BEEN SECURED, YOU MAY NOW REQUEST PRICING FROM THE SELECTED FIRM. COST SHALL BE REPORTED TO THE PURCHASING DIRECTOR ONCE OBTAINED.

ESTIMATED COST (TO BE PROVIDED ONCE DETERMINED):	\$ 2,485,291.55
--	-----------------

Acknowledgment of cost estimate received:


SIGNATURE OF DEPARTMENT HEAD/DESIGNEE

09-15-2021
DATE


SIGNATURE OF PURCHASING DIRECTOR

9-16-21
DATE


SIGNATURE OF CHIEF FINANCIAL OFFICER

9-16-2021
DATE

REQUEST FOR PROFESSIONAL SERVICE – FEE INCREASE NOTIFICATION

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	CGW Main Complex Fire & Security System Replacement – Consultant will provide design and specifications for the replacement of the Clarksville Gas & water Department's main complex fire and security system replacement. Scope of services may include limited bid- and construction phase assistance. Contract term is anticipated at five-week design phase plus bid and construction phase, which are yet to be determined. Change Order No. 1 incorporated an extension of the original scope of services as well as an increase in bid and limited construction phase services associated with the additional scope. Change Order No. 2 captures greater magnitude of services, additional scope of services as well as longer design and construction phase services.
NAME OF FIRM:	WBW Engineering, Inc. 3000 Canton Street, Hopkinsville, KY 42240
QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:	WBW Engineering (WBW) is an engineering firm that has been providing services in the Kentucky/Tennessee area since 1962 and is readily available to assist the City. WBW has qualified staff including licensed professional engineers and designers with extensive design experience relating to municipal/commercial fire and security systems.
YEARS OF EXPERIENCE:	59 Years (Since 1962)
SIMILAR PROJECTS PERFORMED FOR THE CITY:	- Clarksville Fire Rescue #12 EMSA #30 Combination (New Facility) – 2014 (with Violette Arch) - Clarksville Fire Station #11 (New Facility) – 2013 (with Violette Arch) - Clarksville Fire Station #7 (Airport) – 2009 (with Violette Arch) In addition to the above listed projects including fire alarm/security system services, WBW has performed numerous other electrical/mechanical engineering services to the City, which include: - Edith Pettus Park Splash Pad & Restrooms – 2013/2015 - CFR #3, #4, & #5 Generator Replacements – 2014 - CFR – Main Station Generator Replacement – 2014 - CFR #8 Generator Replacement – 2018
SIMILAR PROJECTS PERFORMED ELSEWHERE:	- Christian County Public Safety Building in Hopkinsville (new building incl. fire alarm & extensive security system) – 2018 - CMCSS Electrical Upgrades (incl. new fire alarm system design) at Montgomery Central Elem, Woodlawn Elem, St. Bethlehem Elem and Richview Middle School – 2013 - CMCSS Greenwood Elementary Fire Alarm & Security Upgrade – 2016 - CMCSS Clarksville Montgomery Co. Security Command Center (incl. new fire alarm system design) – 2018 - CMCSS Northeast Elementary Fire Alarm Replacement – 2019 - Hopkinsville Municipal Building (new building incl. fire alarm & extensive security system) – 2016 - CMCSS Northwest High School Renovation & Addition (incl. new fire alarm system design) – 2012 - CMCSS Minglewood Elementary School Addition (incl. new fire alarm system design) – 2017 - Montgomery County EMSA Station 23 (new facility incl. fire alarm system design) – 2013 - Montgomery County EMSA Station 21 (new facility incl. fire alarm system design) – 2014 - CMCSS Montgomery Central High School Renovation (incl. new fire alarm system design) – 2009 In addition, WBW has performed various other electrical/mechanical engineering services to CMCSS as well as Montgomery County, to include:

REQUEST FOR PROFESSIONAL SERVICE - FEE INCREASE NOTIFICATION

CGW Main Complex Fire & Security System Replacement

WBW Engineering, Inc.

Page 2

	• CMCSS East Montgomery Switchgear Replacement - 2017 • CMCSS Gracoy Ave Generator/Switchgear Replacement - 2017 • Renovation of Montgomery Co Public Safety Building - 2015
OTHER QUALIFICATIONS:	WBW is a highly qualified firm that offers engineering services in the areas of electrical and mechanical engineering with expertise in lighting, plumbing, HVAC and fire suppression system design.
NAMES OF THOSE INVOLVED IN THE SELECTION (MUST BE 2 OR MORE AND MUST HAVE NO CONFLICT OF INTEREST AS PER PURCHASING POLICY):	Garth Branch, PE Ben Clark
DEPARTMENT WHERE FUNDS ARE BUDGETED:	Clarksville Gas & Water Department

SIGNATURE OF DEPARTMENT HEAD OF BUDGETARY
DEPT. OR HIS/HER DESIGNEE

08-11-2021

DATE

SIGNATURES OF OTHERS INVOLVED IN SELECTION

8-12-2021

DATE

SIGNATURE OF PURCHASING DIRECTOR

8-13-21

DATE

2. COST - NOTIFICATION:

PLEASE NOTE, THAT THIS FEE INCREASE REQUEST FOR PROFESSIONAL SERVICE IS SUBMITTED IN ACCORDANCE WITH CGW'S STANDARD PROCEDURE ON THE USE OF CONTRACT CHANGE ORDERS, WHICH SPECIFIES THAT NOTIFICATION MUST BE SENT TO THE PURCHASING OFFICER, IF THE AGGREGATE OF ALL CHANGE ORDERS EXCEEDS THE BASE CONTRACT PRICE BY MORE THAN THIRTY PERCENT (30%).

Fee Increase of \$52,040.00 (currently approved fee \$26,350.00)

(Note: Original Contract Amount: \$14,000.00
Change Order No. 1: \$12,350.00
Change Order No. 2: \$52,040.00
Total Not-to-Exceed Contract Fee: \$78,390.00)

Acknowledgement of fee increase received:

SIGNATURE OF DEPARTMENT HEAD/DESIGNEE

08-12-2021

DATE

SIGNATURE OF PURCHASING DIRECTOR

8-13-21

DATE

SIGNATURE OF CHIEF FINANCIAL OFFICER

8/12/21

DATE

REQUEST FOR PROFESSIONAL SERVICE – FEE INCREASE NOTIFICATION

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	Miscellaneous Engineering & Surveying Services in support of capital improvement projects and operations as needed. Work is anticipated to be issued in the form of individual work orders on a case-by-case basis. Requests for a cost proposal will be initiated by the City. Consultant's proposal will be reviewed and, only if accepted by the City, Consultant will be authorized to proceed with that work. CO #1: Need for miscellaneous engineering and surveying services was greater than anticipated; change order serves to increase the contract fee to allow for future services as the need arises.
NAME OF FIRM:	Sulter Surveying & Land Planning, Inc.
QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:	Sulter is a local, licensed surveying and civil engineering firm. Its services encompass small subdivision lot surveys to large industrial and municipal projects. Over the past 15 years, the company has completed numerous surveying projects for local municipalities and private developers, and assisted in the surveying, design, and construction of several plants and factories. Sulter Surveying has qualified staff and is readily available to assist the City.
YEARS OF EXPERIENCE:	Since 2001
SIMILAR PROJECTS PERFORMED FOR THE CITY:	• Northwest Manifold Improvements • Miscellaneous Water and Sewer System Improvements • Locust Street, S Woodson Road & Highway 12 Water Main Improvements • Hemlock Waterline Extension project – survey of six miles of new route and easements for the extension of a new 24-inch waterline, a new tank site as well as a booster station site for the new Hemlock Semiconductor Plant (CSW) • Trenton and Tylertown Road Realignment project - boundary and topographic survey of the intersection of Trenton and Tylertown Road (Street Department) • Trenton Road Sewer Improvements • Rotary Park Gravity Sewer Extension Surveying Services
SIMILAR PROJECTS PERFORMED ELSEWHERE:	• Tennessee Sanitary Sewer Rehab project - survey of approximately four miles of route for a new gravity sewer system to replace the existing pump system (City of Whitehouse, TN) • Westwood/Boxwood Drainage Project to provide boundary and easement surveys of the proposed drainage improvements north of 7th Street – (Subconsultant to Bell Engineering - City of Hopkinsville, KY) • Utility design for various developer projects, to include: - o Bellshire - o Allen Chase - o Heritage Point - o Autumnwood Farms - o Bridge Church - o F&M Bank
OTHER QUALIFICATIONS:	Sulter Surveying has satisfactorily performed and successfully delivered on several projects as a consultant and subconsultant for the City.

REQUEST FOR PROFESSIONAL SERVICE - FEE INCREASE NOTIFICATION

Miscellaneous Engineering & Surveying Services

Suiter Surveying & Land Planning, Inc.

Page 2

NAMES OF THOSE INVOLVED IN THE SELECTION (MUST BE 2 OR MORE AND MUST HAVE NO CONFLICT OF INTEREST AS PER PURCHASING POLICY):	Garth Branch, PE Patrick Chesney
DEPARTMENT WHERE FUNDS ARE BUDGETED:	Clarksville Gas & Water Department

SIGNATURE OF DEPARTMENT HEAD OF BUDGETARY
DEPT. OR HIS/HER DESIGNEE

09-03-2021
DATE

SIGNATURES OF OTHERS INVOLVED IN SELECTION

9-3-21
DATE

Carmie Thomas
SIGNATURE OF PURCHASING DIRECTOR

9-10-21
DATE

2. COST - NOTIFICATION:

PLEASE NOTE, THAT THIS FEE INCREASE REQUEST FOR PROFESSIONAL SERVICE IS SUBMITTED IN ACCORDANCE WITH CGW'S STANDARD PROCEDURE ON THE USE OF CONTRACT CHANGE ORDERS, WHICH SPECIFIES THAT NOTIFICATION MUST BE SENT TO THE PURCHASING OFFICER, IF THE AGGREGATE OF ALL CHANGE ORDERS EXCEEDS THE BASE CONTRACT PRICE BY MORE THAN THIRTY PERCENT (30%).

Fee Increase of \$30,000.00 (currently approved fee \$50,000.00)

(Note: Original Contract Amount: \$50,000.00
Change Order No. 1: \$30,000.00
Total Not-to-Exceed Contract Fee: \$80,000.00)

Acknowledgement of fee increase received:

SIGNATURE OF DEPARTMENT HEAD/DESIGNER

09-03-2021
DATE

Carmie Thomas
SIGNATURE OF PURCHASING DIRECTOR

9-10-21
DATE

Dawn Thomack
SIGNATURE OF CHIEF FINANCIAL OFFICER

9-3-21
DATE

REQUEST FOR PROFESSIONAL SERVICE

I. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	Ivy Bend Impressed Current Cathodic Protection System – Project comprises design of and preparation of technical specifications for an impressed current cathodic protection system to protect approximately 16 miles of 8" steel, and approximately 14 miles of 12" steel natural gas main. Consultant will also provide construction inspection services. Contract term: approximately 120 days
NAME OF FIRM:	Southern Cathodic Protection Company (SCPC) 780 Johnson Ferry Road, Suite 225, Atlanta, GA 30342
QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:	SCPC employs Registered Professional Engineers (PEs) who are National Association of Corrosion Engineers (NACE) certified. SCPC's PEs bring an expertise based on tried and proven methods to the table, are aware of the unique and challenging nature of corrosion problems and possess the experience required to find a solution that is both effective and economical. SCPC's technicians and engineers have the tools and skills to provide optimum solutions for complex problems, complete with thorough and accurate engineering reports. SCPC has extensive experience solving corrosion problems on various types of structures and clients include oil and gas companies, utilities, water companies, government agencies, pipeline companies, storage facilities, and airports. SCPC has an established reputation in the corrosion control/cathodic protection industry as honest, qualified, reliable professionals.
YEARS OF EXPERIENCE:	42 years (established in 1979)
SIMILAR PROJECTS PERFORMED FOR THE CITY:	• Pre- and Post-Coating and pipeline inspection services @ SR-374 at Red River Bridge (services performed as a subconsultant)
SIMILAR PROJECTS PERFORMED ELSEWHERE:	SCPC has successfully completed numerous cathodic protection project to various clients, which include: • Nexus Pipeline Spread 2, 2018 • Sabal Trail Transmission, Current Test Band Replacement Project, Florida (2019) • Sabal Trail Transmission, Interference mitigation and solar cathodic protection system installation, Florida (2019-2020) • Marathon Petroleum, Corrosion control system testing, troubleshooting, and annual survey, TN, NC, SC, WV, AL & GA (2019 to present) • Dominion Energy, Materials Installation Supervision and DCVG survey, North Carolina (2020) SCPC has provided Integrity Management and some or all phases of External Corrosion Direct Assessment to various clients including: • Hardee Power Partners, Bowling Green, FL • Lake Apopka Natural Gas District, Winter Garden, FL • City of Tallahassee, GA Natural Gas System, Tallahassee, GA • Greenwood, SC Commissioner of Public Service, Greenwood, SC • Knoxville Utilities Board, Knoxville, TN • Middle Tennessee Natural Gas, Smithville, TN • Sevier County Utilities Department, Sevierville, TN In addition, SCPC has provided Ground Bed Installation to various clients including: • Humphreys County Utility District, Waverly, TN • Chester County Natural Gas Authority, Chester, SC

REQUEST FOR PROFESSIONAL SERVICE

Ivy Bend Impressed Current Cathodic Protection System

Southern Cathodic Protection Company (SCPC)

Page 2

	• City of Toccoa, GA Natural Gas System, Toccoa, GA • City of Rocky Mount Public Utility, Rocky Mount, NC • TECO, St. Petersburg, FL • City of Quincy, Quincy, FL • Sevier County Utilities Department, Sevierville, TN
OTHER QUALIFICATIONS:	All work is conducted under the supervision of a NACE International-certified corrosion specialist who is also a registered Professional Engineer (PE) in thirteen (13) States.
NAMES OF THOSE INVOLVED IN THE SELECTION (MUST BE 2 OR MORE AND MUST HAVE NO CONFLICT OF INTEREST AS PER PURCHASING POLICY):	Troy Jones Tyler Hayes
DEPARTMENT WHERE FUNDS ARE BUDGETED:	Clarksville Gas & Water Department


SIGNATURE OF DEPARTMENT HEAD OF BUDGETARY
DEPT. OR HIS/HER DESIGNEE

8-6-21
DATE


SIGNATURES OF OTHERS INVOLVED IN SELECTION

8-6-2021
DATE


SIGNATURE OF PURCHASING DIRECTOR

8-11-21
DATE

2. **COST: ONCE ALL SIGNATURES ABOVE HAVE BEEN SECURED, YOU MAY NOW REQUEST PRICING FROM THE SELECTED FIRM. COST SHALL BE REPORTED TO THE PURCHASING DIRECTOR ONCE OBTAINED.**

ESTIMATED COST (TO BE PROVIDED ONCE DETERMINED):	\$ 22,820.00
--	--------------

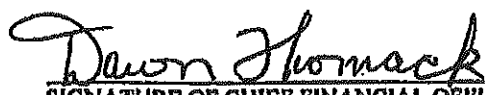
Acknowledgement of cost estimate received:


SIGNATURE OF DEPARTMENT HEAD/DESIGNEE

9-28-21
DATE


SIGNATURE OF PURCHASING DIRECTOR

9-29-21
DATE


SIGNATURE OF CHIEF FINANCIAL OFFICER

9-28-21
DATE

Clarksville Gas and Water Department, TN
 Date range: 01 Jul 2021 - 31 Aug 2021

<u>ID ↑</u>	<u>Description</u>	<u>VIN/Serial</u>	<u>Buyer</u>	<u>Type</u>	<u>Sold Amount</u>	<u>Auction Ended</u>	<u>Credit Date</u>
344	MISC OFFICE CHAIRS		Ronnie Fultz	USD	\$42.00	02 Aug 2021 08:00 AM CT	
					\$42.00		

Clarksville Gas & Water Department

12 Month Rolling Collections/Write-offs

Date	Total Turned Over	# of Accounts	Avg Acct Turned Over	Total Collected	Total Write-offs	# of Write-Offs	Avg Acct Write-off
Oct-20	\$ 19,212.62	123	\$ 156.20	\$ 4,228.98	\$ 8,320.33	73	\$ 113.98
Nov-20	\$ 31,541.45	147	\$ 214.57	\$ 3,264.89	\$ 6,359.51	58	\$ 109.65
Dec-20	\$ 20,095.03	116	\$ 173.23	\$ 3,221.41	\$ 8,462.59	56	\$ 151.12
Jan-21	\$ 8,284.11	75	\$ 110.45	\$ 5,499.68	\$ 11,503.27	84	\$ 136.94
Feb-21	\$ 9,919.33	59	\$ 168.12	\$ 5,058.66	\$ 7,594.65	62	\$ 122.49
Mar-21	\$ 7,260.08	55	\$ 132.00	\$ 9,101.12	\$ 10,355.37	51	\$ 203.05
Apr-21	\$ 4,901.90	42	\$ 116.71	\$ 6,396.68	\$ 2,540.36	35	\$ 72.58
May-21	\$ 4,471.03	41	\$ 109.05	\$ 4,548.25	\$ 3,424.65	38	\$ 90.12
Jun-21	\$ 12,212.02	59	\$ 206.98	\$ 5,861.75	\$ 7,862.51	63	\$ 124.80
Jul-21	\$ 11,260.00	52	\$ 216.54	\$ 2,649.96	\$ 17,748.94	106	\$ 167.44
Aug-21	\$ 5,690.17	59	\$ 96.44	\$ 2,979.86	\$ 25,802.02	116	\$ 222.43
Sep-21	\$ 15,585.77	84	\$ 185.54	\$ 8,192.03	\$ 27,977.22	89	\$ 314.35
	\$ 150,433.51	912	\$ 164.95	\$ 61,003.27	\$ 137,951.42	831	\$ 166.01

40.55%

CGW Water Department
September, 2021

	Month			Year to Date		
	<u>Actual</u>	<u>Budget</u>	<u>Fav/(Unfav)</u>	<u>Actual</u>	<u>Budget</u>	<u>Fav/(Unfav)</u>
Sales to Customers	2,196,173	2,045,342	150,831	7,280,712	6,136,025	1,144,687
Penalties	33,507	27,083	6,424	95,135	81,250	13,885
Other Income	335,368	306,667	28,701	1,081,156	920,000	161,156
Gross Revenue	2,565,047	2,379,092	185,956	8,457,004	7,137,275	1,319,729
Water Plant 1	320,645	357,574	36,928	1,230,398	1,072,721	(157,677)
Water Plant 2	41,511	70,674	29,163	129,097	212,021	82,924
Water Transmission	653,923	740,926	87,003	1,588,866	2,222,779	633,913
Water Administration	19,331	30,645	11,314	111,338	91,935	(19,403)
Customer Service	310,100	328,382	18,282	1,029,852	985,147	(44,706)
Accounting	55,633	56,347	713	185,324	169,040	(16,284)
Engineering	107,553	115,599	8,046	313,074	346,797	33,723
Admin & General	85,145	81,280	(3,865)	243,810	243,841	31
Other Expenses	17,096	16,500	(596)	47,889	49,500	1,611
Depreciation	536,153	522,750	(13,403)	1,601,354	1,568,250	(33,104)
Total Operating Expenses	2,147,091	2,320,677	173,586	6,481,002	6,962,030	481,027
Income from Operations	417,957	58,415	359,542	1,976,002	175,245	1,800,756
Interest Income	3,904	6,750	(2,846)	9,592	20,250	(10,658)
Other Income (Expense)	12,724	(79,583)	92,307	(1,009,384)	(238,750)	(770,634)
Interest Expense	(70,985)	(340,275)	269,290	(202,727)	(1,020,826)	818,099
Debt Amortization Income	159,523	15,361	144,162	503,895	46,083	457,812
PILOT	(98,142)	(98,142)	-	(294,426)	(294,426)	-
Total Other Income (Expense)	7,023	(495,890)	502,912	(993,050)	(1,487,669)	494,619
Total Income / (Loss)	424,980	(437,475)	862,454	982,952	(1,312,424)	2,295,375
Capital Spend	306,986	3,755,000	3,448,014	718,367	11,263,000	10,544,633
Contributed Capital - Cash	2,175	-	2,175	2,175	0	2,175
Contributed Capital - Non-Cash	105,391	1,000,000	(894,609)	105,391	3,000,000	(2,894,609)

CGW Wastewater Department
September, 2021

	Month			Year to Date		
	<u>Actual</u>	<u>Budget</u>	<u>Fav/(Unfav)</u>	<u>Actual</u>	<u>Budget</u>	<u>Fav/(Unfav)</u>
Sales to Customers	3,462,874	3,433,367	29,507	11,034,693	10,300,100	734,593
Penalties	50,694	41,667	9,027	148,588	125,000	23,588
Other Income	331,909	397,417	(65,507)	1,287,192	1,192,250	94,942
Gross Revenue	3,845,477	3,872,450	(26,973)	12,470,473	11,617,350	853,123
Wastewater Plant	388,072	452,299	64,228	1,201,518	1,356,898	155,380
Wastewater Collection	652,692	611,007	(41,685)	1,799,336	1,833,022	33,686
Wastewater Administration	51,601	51,446	(155)	167,240	154,338	(12,903)
Customer Service	174,353	188,173	13,820	622,059	564,518	(57,541)
Accounting	54,179	62,786	8,607	189,446	188,359	(1,087)
Engineering	95,336	122,024	26,688	307,002	366,073	59,072
Admin & General	78,043	81,351	3,308	231,750	244,054	12,304
Other Expenses	17,291	16,500	(791)	48,412	49,500	1,088
Depreciation	990,975	985,333	(5,642)	2,973,529	2,956,000	(17,529)
Total Operating Expenses	2,502,542	2,570,920	68,378	7,540,292	7,712,761	172,469
Income from Operations	1,342,935	1,301,530	41,405	4,930,180	3,904,589	1,025,591
Interest Income	4,627	8,750	(4,123)	14,369	26,250	(11,881)
Other Income (Expense)	267	667	(400)	(356,386)	2,000	(358,386)
Interest Expense	(670,260)	(488,197)	(182,063)	(1,630,689)	(1,464,592)	(166,097)
Debt Amortization Income	90,443	74,758	15,685	8,762,448	224,275	8,538,173
PILOT	(193,771)	(193,771)	-	(581,312)	(581,312)	-
Total Other Income (Expense)	(768,695)	(597,793)	(170,902)	6,208,431	(1,793,380)	8,001,810
Total Income / (Loss)	574,240	703,737	(129,497)	11,138,611	2,111,210	9,027,401
Capital Spend	760,576	1,754,000	993,424	1,950,071	5,262,000	3,311,929
Contributed Capital - Cash	1,878	-	1,878	1,878	-	1,878
Contributed Capital - Non-Cash	-	916,667	(916,667)	-	2,750,000	(2,750,000)

CGW Gas Department
September, 2021

	Month			Year to Date		
	<u>Actual</u>	<u>Budget</u>	<u>Fav/(Unfav)</u>	<u>Actual</u>	<u>Budget</u>	<u>Fav/(Unfav)</u>
Sales to Customers	1,589,300	1,463,250	126,050	4,454,148	3,957,971	496,177
Penalties	6,084	8,333	(2,250)	21,012	25,000	(3,988)
Other Income	72,952	95,292	(22,340)	335,521	285,875	49,646
Gross Revenue	1,668,336	1,566,875	101,461	4,810,681	4,268,846	541,835
Cost of Gas	861,616	747,939	(113,677)	2,768,081	2,243,817	(524,264)
Gas Distribution	268,064	253,490	(14,574)	700,820	760,469	59,649
Gas Administration	140,609	195,616	55,007	375,653	586,848	211,195
Ft. Campbell Operations	40,668	40,992	324	133,969	122,975	(10,994)
Customer Service	144,994	111,937	(33,057)	391,755	335,810	(55,945)
Accounting	50,197	55,031	4,835	164,323	165,093	770
Engineering	49,269	59,147	9,878	145,612	177,442	31,830
Admin & General	77,954	81,228	3,274	231,130	243,683	12,553
Other Expenses	13,492	16,500	3,008	38,213	49,500	11,287
Depreciation	159,617	162,417	2,800	486,077	487,250	1,173
Total Operating Expenses	1,806,478	1,724,296	(82,183)	5,435,633	5,172,887	(262,746)
Income from Operations	(138,143)	(157,421)	19,278	(624,952)	(904,041)	279,089
Interest Income	3,022	5,942	(2,920)	9,691	17,825	(8,134)
Other Income (Expense)	267	500	(233)	459	1,500	(1,041)
Interest Expense	(16,205)	(14,011)	(2,194)	(44,263)	(42,032)	(2,231)
Debt Amortization Income	3,753	3,766	(13)	96,658	11,298	85,361
PILOT	(66,298)	(66,298)	-	(198,895)	(198,895)	-
Total Other Income (Expense)	(75,462)	(70,102)	(5,360)	(136,350)	(210,305)	73,955
Total Income / (Loss)	(213,604)	(227,522)	13,918	(761,302)	(1,114,346)	353,044
Capital Spend	95,761	735,000	639,239	596,635	2,203,000	1,606,365
Contributed Capital - Cash	890	6,250	(5,360)	890	18,750	(17,860)
Contributed Capital - Non-Cash	-	41,667	(41,667)	-	125,000	(125,000)

FY 2022 Debt Coverage

September, 2021

Fiscal Period	3
	<u>Actual</u>
System Gross Revenue	\$ 25,738,157
System Operating Expenses	19,456,927
	6,281,230
Add: Depreciation Expense	5,060,960
Other Revenue (Expense)	(1,331,658)
Net Revenues	\$ 10,010,532

Debt Coverage Ratio	2.31
Debt Coverage Ratio Goal	1.70
<i>FY 2021 Coverage Ratio</i>	<i>2.12</i>
<i>FY 2020 Coverage Ratio</i>	<i>2.09</i>

>2.00 = Aaa rating

1.70-2.00 = Aa rating

Debt to Operation Revenue Ratio

September, 2021

FY 2022 Budget

Total Debt	\$ 356,997,569
Operating Revenue	\$ 102,952,629
Debt/Operating Revenue	3.47

FY 2021 Actual

Total Debt	\$ 177,406,199
Operating Revenue	\$ 97,336,265
Debt/Operating Revenue	1.82

FY 2020 Actual

Total Debt	\$ 189,626,801
Operating Revenue	\$ 92,208,721
Debt/Operating Revenue	2.06

FY 2019 Actual

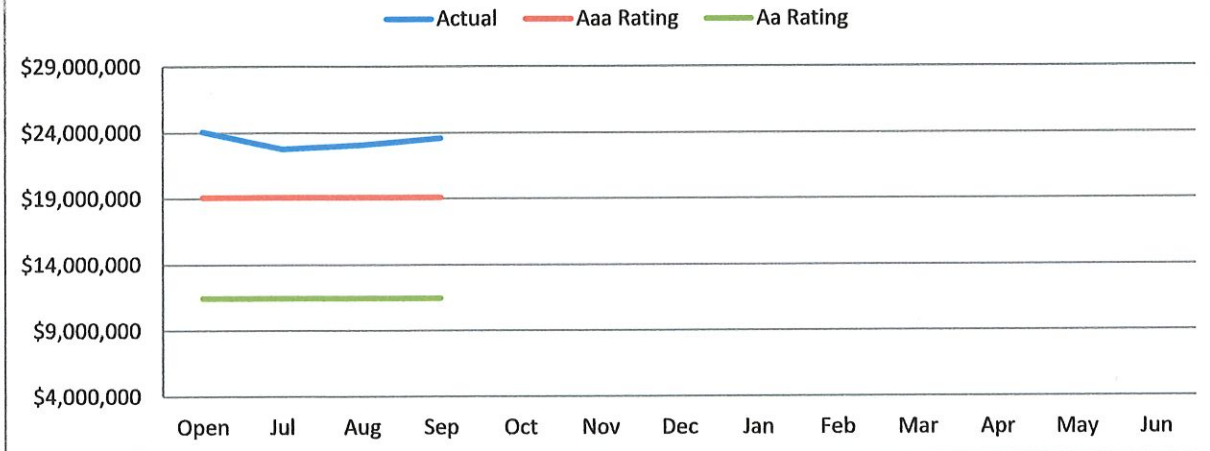
Total Debt	\$ 210,708,804
Operating Revenue	\$ 93,864,185
Debt/Operating Revenue	2.24

<2.00 = Aaa

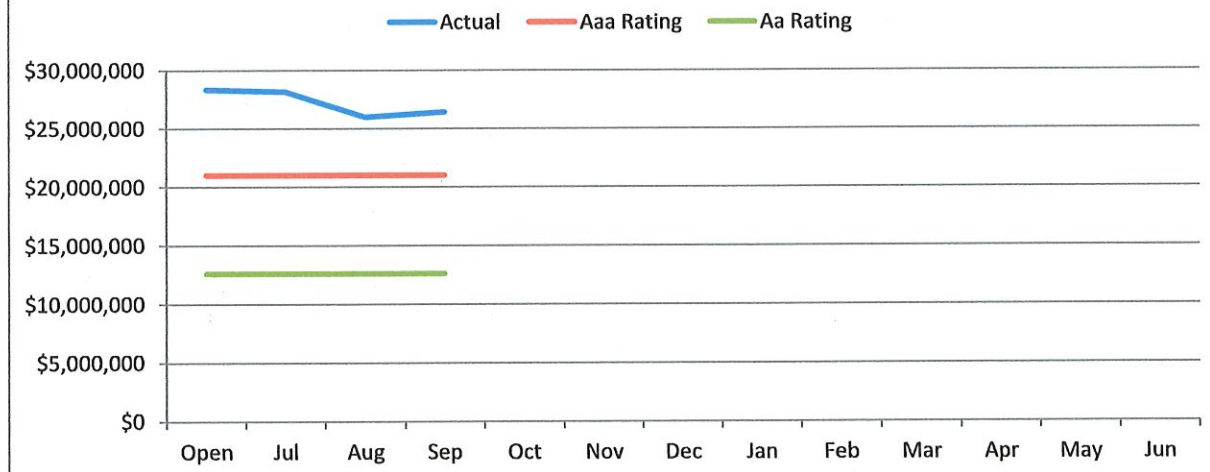
2.00 - 4.00 = Aa

Clarksville Gas & Water FY 2022

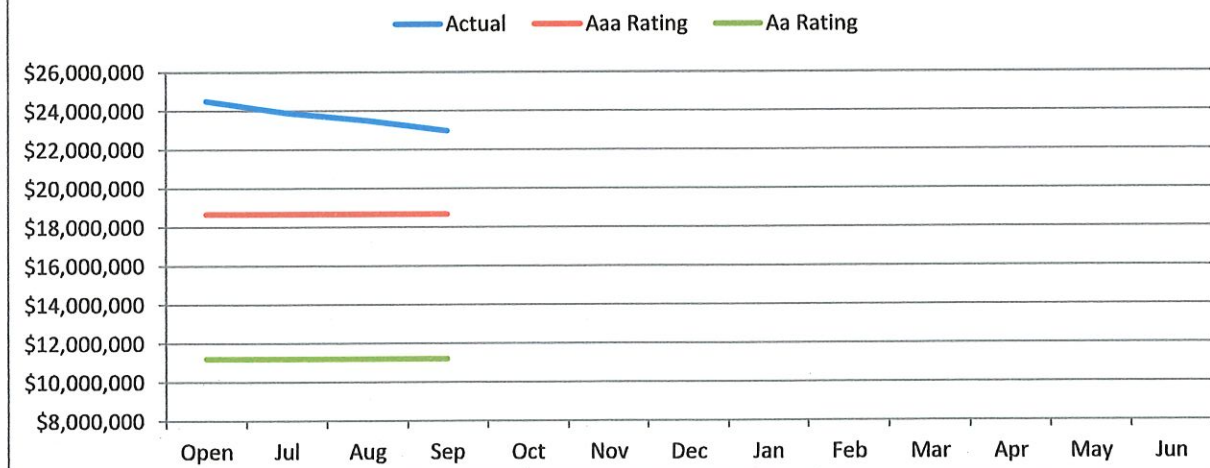
FY 2022 Available Cash - Water



FY 2022 Available Cash - Wastewater



FY 2022 Available Cash - Gas

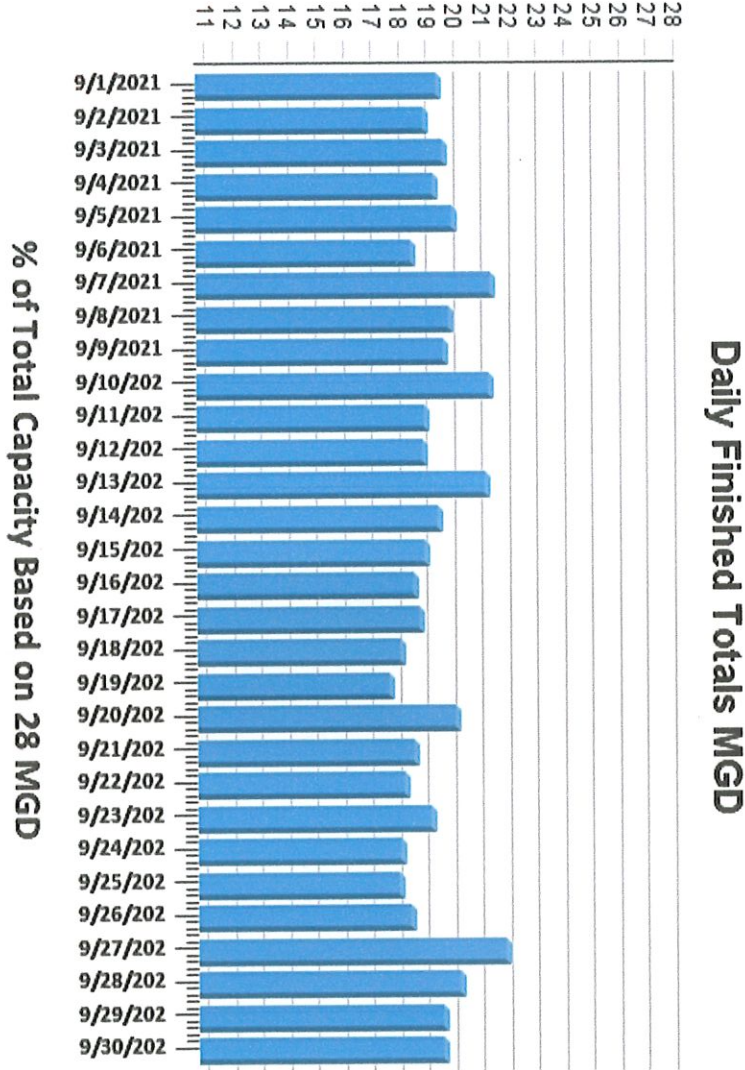


Monthly Activity Summary

September 2021

- **Assessment Areas:**
 - Hazelwood: cost \$2,727,241 / paid \$2,498,750 / remaining \$228,491
 - Oakland: cost \$881,876 / paid \$293,975/ remaining \$587,901
- Gas System distributed 290 million cubic feet and averaged 9.6 million cubic feet per day. That represents approximately 14.6 percent of the system's capacity.
- Water Plant pumped 585 million gallons of treated water into the system and averaged 19.5 million gallons per day. That represents approximately 69 percent of the plant's capacity.
- Wastewater Plant treated 401 million gallons of sewage and averaged 13.3 million gallons per day. That represents approximately 53 percent of the plant's capacity.
- The call center handled 9,686 calls and averaged 322 per day. Each call lasted an average of 3 minutes and 40 seconds.
- Service Department completed 5,066 work orders and responded to 238 after hour calls.
- Gas Division installed 18 new services totaling 1,936 feet of pipe, 19 mains totaling 6,790 feet of pipe, and responded to 56 natural gas odor calls.
- Water Division repaired 81 water leaks totaling 2,176 feet of pipe, flushed 444 hydrants, and tested 1217 backflow devices.
- Sewer Division made 10 point repairs totaling 300 feet of pipe, cleaned 4,755 feet of pipe, and reported 8 sewer overflows.
- Engineering Department approved 12 utility plans this month and currently has 34 on-going projects.
- Billing Department read 105,558 meters with an accuracy rate of 99.89 percent and sent a total of 94,894 bills and notices.

DATE	TOTALS IN MGD	DATE	% of Total Capacity Based on 28 MGD
9/1/2021	19.6	9/1/2021	70.00
9/2/2021	19.1	9/2/2021	68.21
9/3/2021	19.8	9/3/2021	70.71
9/4/2021	19.4	9/4/2021	69.29
9/5/2021	20.1	9/5/2021	71.79
9/6/2021	18.6	9/6/2021	66.43
9/7/2021	21.5	9/7/2021	76.79
9/8/2021	20.0	9/8/2021	71.43
9/9/2021	19.8	9/9/2021	70.71
9/10/2021	21.4	9/10/2021	76.43
9/11/2021	19.1	9/11/2021	68.21
9/12/2021	19.0	9/12/2021	67.86
9/13/2021	21.3	9/13/2021	76.07
9/14/2021	19.6	9/14/2021	70.00
9/15/2021	19.1	9/15/2021	68.21
9/16/2021	18.7	9/16/2021	66.79
9/17/2021	18.9	9/17/2021	67.50
9/18/2021	18.2	9/18/2021	65.00
9/19/2021	17.8	9/19/2021	63.57
9/20/2021	20.2	9/20/2021	72.21
9/21/2021	18.7	9/21/2021	66.79
9/22/2021	18.3	9/22/2021	65.36
9/23/2021	19.3	9/23/2021	68.93
9/24/2021	18.2	9/24/2021	65.00
9/25/2021	18.1	9/25/2021	64.64
9/26/2021	18.5	9/26/2021	66.07
9/27/2021	22.0	9/27/2021	78.57
9/28/2021	20.3	9/28/2021	72.50
9/29/2021	19.7	9/29/2021	70.36
9/30/2021	19.7	9/30/2021	70.36



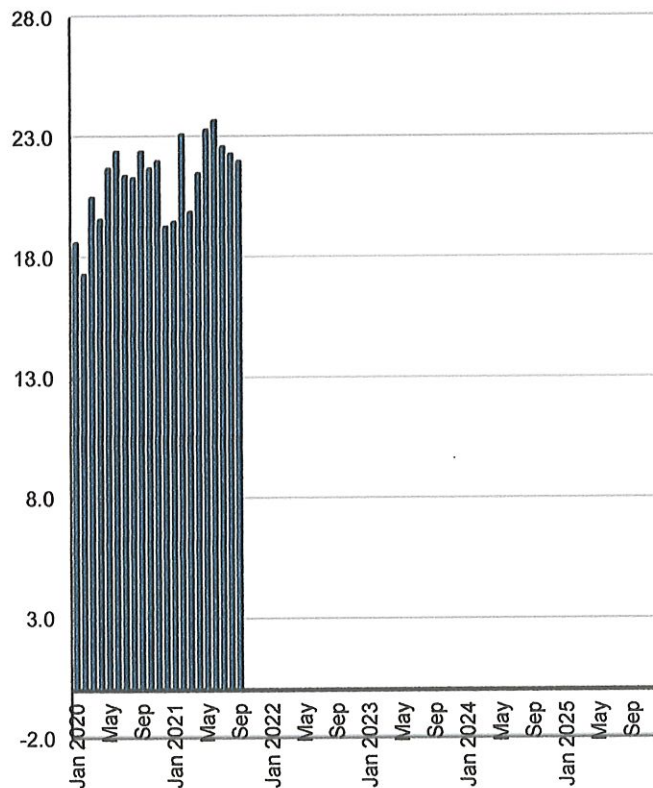
Monthly
Total

584.0

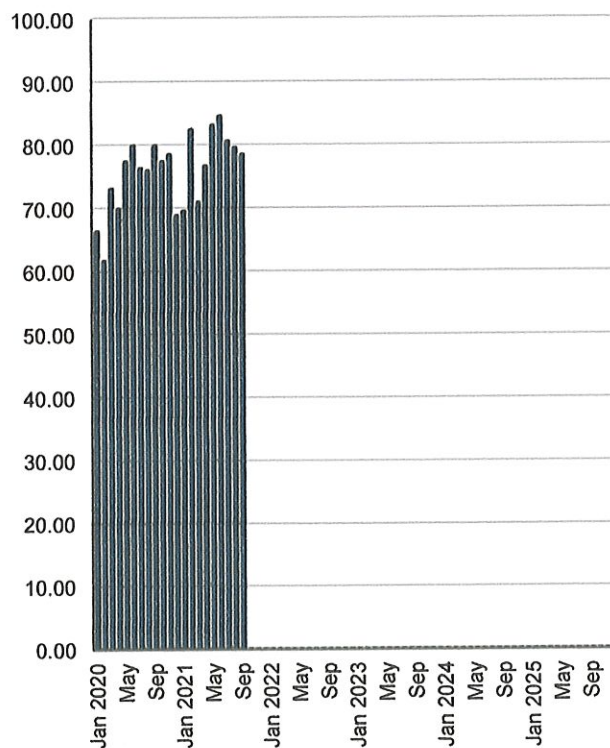
69.53

Date	Amt	Date	% of Capacity
Jan 2020	18.6	Jan 2020	66.43
Feb	17.3	Feb	61.79
Mar	20.5	Mar	73.21
Apr	19.6	Apr	70.00
May	21.7	May	77.50
Jun	22.4	Jun	80.00
Jul	21.4	Jul	76.43
Aug	21.3	Aug	76.07
Sep	22.4	Sep	80.00
Oct	21.7	Oct	77.50
Nov	22.0	Nov	78.57
Dec	19.3	Dec	68.93
Jan 2021	19.5	Jan 2021	69.64
Feb	23.1	Feb	82.50
Mar	19.9	Mar	71.07
Apr	21.5	Apr	76.79
May	23.3	May	83.21
Jun	23.7	Jun	84.64
Jul	22.6	Jul	80.71
Aug	22.3	Aug	79.64
Sep	22.0	Sep	78.57
Oct		Oct	0.00
Nov		Nov	0.00
Dec		Dec	0.00
Jan 2022		Jan 2022	0.00
Feb		Feb	0.00
Mar		Mar	0.00
Apr		Apr	0.00
May		May	0.00
Jun		Jun	0.00
Jul		Jul	0.00
Aug		Aug	0.00
Sep		Sep	0.00
Oct		Oct	0.00
Nov		Nov	0.00
Dec		Dec	0.00
Jan 2023		Jan 2023	0.00
Feb		Feb	0.00
Mar		Mar	0.00
Apr		Apr	0.00
May		May	0.00
Jun		Jun	0.00
Jul		Jul	0.00
Aug		Aug	0.00
Sep		Sep	0.00
Oct		Oct	0.00
Nov		Nov	0.00
Dec		Dec	0.00
Jan 2024		Jan 2024	0.00
Feb		Feb	0.00
Mar		Mar	0.00
Apr		Apr	0.00
May		May	0.00
Jun		Jun	0.00
Jul		Jul	0.00
Aug		Aug	0.00
Sep		Sep	0.00
Oct		Oct	0.00
Nov		Nov	0.00
Dec		Dec	0.00
Jan 2025		Jan 2025	0.00
Feb		Feb	0.00
Mar		Mar	0.00
Apr		Apr	0.00
May		May	0.00
Jun		Jun	0.00
Jul		Jul	0.00
Aug		Aug	0.00
Sep		Sep	0.00
Oct		Oct	0.00
Nov		Nov	0.00
Dec		Dec	0.00

Clarksville Maximum Daily Pumpage

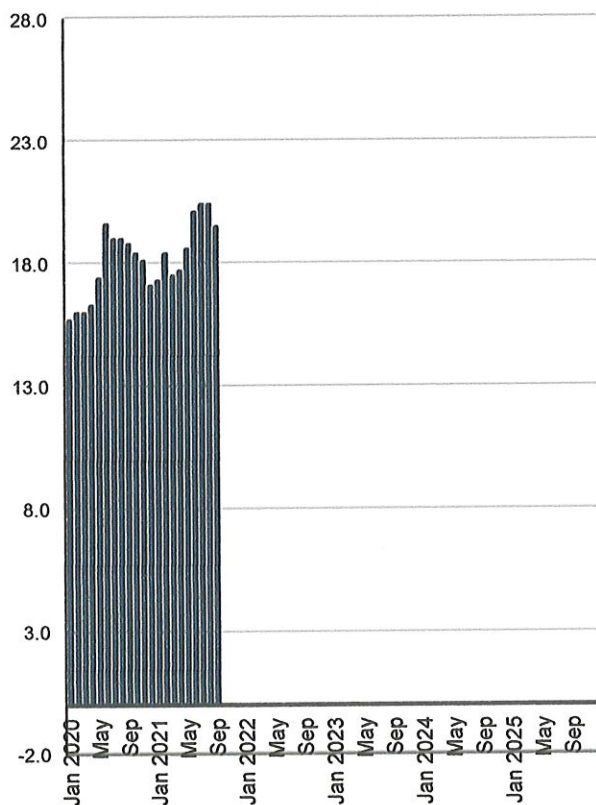


% of Capacity Based on 28 MGD

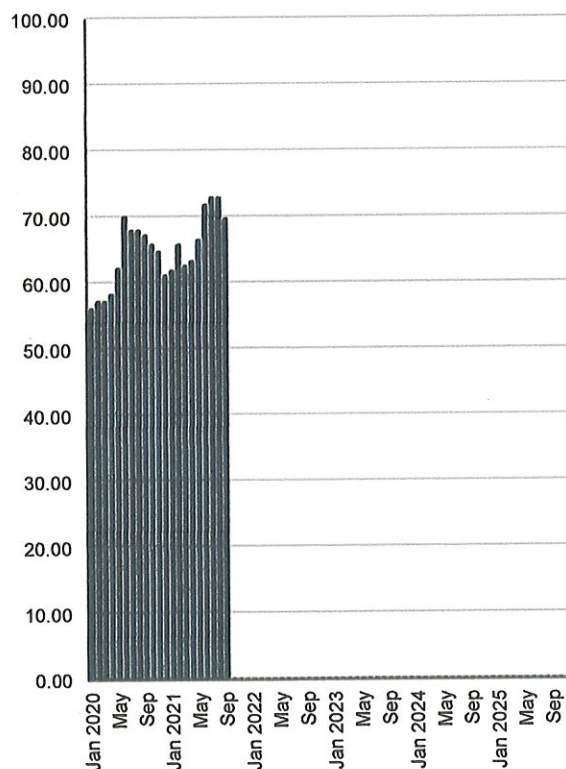


Date	Amt	Date	% of Capacity
Jan 2020	15.7	Jan 2020	56.07
Feb	16.0	Feb	57.14
Mar	16.0	Mar	57.14
Apr	16.3	Apr	58.21
May	17.4	May	62.14
Jun	19.6	Jun	70.00
Jul	19.0	Jul	67.86
Aug	19.0	Aug	67.86
Sep	18.8	Sep	67.14
Oct	18.4	Oct	65.71
Nov	18.1	Nov	64.64
Dec	17.1	Dec	61.07
Jan 2021	17.3	Jan 2021	61.79
Feb	18.4	Feb	65.71
Mar	17.5	Mar	62.50
Apr	17.7	Apr	63.21
May	18.6	May	66.43
Jun	20.1	Jun	71.79
Jul	20.4	Jul	72.86
Aug	20.4	Aug	72.86
Sep	19.5	Sep	69.64
Oct		Oct	0.00
Nov		Nov	0.00
Dec		Dec	0.00
Jan 2022		Jan 2022	0.00
Feb		Feb	0.00
Mar		Mar	0.00
Apr		Apr	0.00
May		May	0.00
Jun		Jun	0.00
Jul		Jul	0.00
Aug		Aug	0.00
Sep		Sep	0.00
Oct		Oct	0.00
Nov		Nov	0.00
Dec		Dec	0.00
Jan 2023		Jan 2023	0.00
Feb		Feb	0.00
Mar		Mar	0.00
Apr		Apr	0.00
May		May	0.00
Jun		Jun	0.00
Jul		Jul	0.00
Aug		Aug	0.00
Sep		Sep	0.00
Oct		Oct	0.00
Nov		Nov	0.00
Dec		Dec	0.00
Jan 2024		Jan 2024	0.00
Feb		Feb	0.00
Mar		Mar	0.00
Apr		Apr	0.00
May		May	0.00
Jun		Jun	0.00
Jul		Jul	0.00
Aug		Aug	0.00
Sep		Sep	0.00
Oct		Oct	0.00
Nov		Nov	0.00
Dec		Dec	0.00
Jan 2025		Jan 2025	0.00
Feb		Feb	0.00
Mar		Mar	0.00
Apr		Apr	0.00
May		May	0.00
Jun		Jun	0.00
Jul		Jul	0.00
Aug		Aug	0.00
Sep		Sep	0.00
Oct		Oct	0.00
Nov		Nov	0.00
Dec		Dec	0.00

Clarksville Average Monthly Pumpage



% of Capacity Based on 28 MGD



FINISHED WATER PUMPAGE TOTALS

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Jan.Total	439351	442038	486007	472836	460298	471709	542638	506802	487760	537922
Aver.	14173	14259	15678	15253	14848	15216	17504	16348	15734	17352
Max	16208	17032	18977	18841	17349	19091	19678	19667	18650	19509
Min	12075	12695	11548	13616	12928	14348	14683	13896	12889	15070
Feb.Total	406621	400164	424980	431331	420563	418523	450030	467133	464620	517207
Aver.	14021	14292	15178	15405	14502	14947	16073	16683	16021	18472
Max	16385	17101	17883	17659	15791	16453	19679	19919	17301	23147
Min	12006	10627	12956	13342	13145	13507	14057	13710	14832	14933
Mar.Total	458407	443135	454724	459349	442712	462775	488427	499251	498790	543470
Aver.	14787	14295	14669	14818	14281	14928	15756	16105	16090	17531
Max	20748	16323	16316	16565	15992	17089	17592	17367	20582	19958
Min	10971	12758	12448	13381	12822	13894	14516	14929	13982	15338
Apr. Total	472623	428845	442935	433816	447902	479548	471571	495905	491542	531895
Aver.	15754	14295	14765	14461	14930	15985	15719	16530	16385	17730
Max	19906	16049	17251	15936	16785	19424	17634	19477	19679	21550
Min	13825	12472	13031	12702	12521	14464	13683	14140	13942	14991
May Total	518962	469221	494881	502787	484014	508673	535251	550304	541075	577661
Aver.	16741	15136	15964	16219	15613	16409	17266	17752	17454	18634
Max	20470	17712	19461	18671	19413	19500	20201	21385	21754	23319
Min	12189	12710	13064	14687	13917	13724	14348	14204	15033	15661
Jun. Total	568593	484809	500530	505360	536245	525289	554301	539759	588876	604053
Aver.	18953	16160	16684	16846	17875	17510	18477	17992	19629	20135
Max	24850	18416	20717	19306	20660	24870	21444	21454	22442	23784
Min	13858	13442	14133	14050	15630	14988	15308	14700	16334	16624
Jul. Total	543355	503624	572496	544235	519632	571991	583935	569783	590407	633850
Aver.	17528	16246	18468	17556	16762	19451	18837	18380	19045	20447
Max	21568	19079	21348	21555	19407	21680	22472	21198	21487	22672
Min	14232	12996	14926	14673	14985	15287	13853	16212	15643	17478
Aug.Total	530106	501432	559563	547126	529644	566204	595380	584399	589997	633761
Aver.	17100	16175	18050	17649	17085	18265	19206	18852	19032	20444
Max	19035	20145	21121	20033	19451	22100	22024	21852	21359	22323
Min	15105	14013	13566	14503	14785	15658	15318	15235	16443	16939
Sep.Total	465948	494484	527302	508650	532147	530559	569190	605709	565475	585256.4
Aver.	15532	16483	17577	16955	17738	17685	18973	20190	18849	19508
Max	17889	17993	21379	19573	21501	19637	22112	23540	22452	22039
Min	12729	14365	14851	14245	16104	15576	16342	17485	16121	17898
Oct. Total	453395	482230	484925	471463	547410	533123	561681	560395	573348	
Aver.	14626	15556	15643	15208	17658	17198	18119	18077	18495	
Max	16734	18514	18115	16803	20503	19507	20803	21149	21771	
Min	12269	12424	13993	13337	15408	14485	15333	14001	16235	
Nov.Total	442808	442786	443208	427852	501075	490630	496859	506448	544277	
Aver.	14760	14760	14774	14262	16703	16354	16562	16882	18143	
Max	17735	16254	16718	15879	19499	18381	19630	19775	22005	
Min	12435	13360	13207	12336	13700	13825	14615	14275	16175	
Dec.Total	431342	463552	453064	442384	475697	497194	504637	492948	533119	
Aver.	13914	14953	14615	14270	15345	16039	16279	15902	17197	
Max	17507	20904	16055	16082	17226	17728	19829	17795	19317	
Min	10650	12206	13421	12787	13516	13355	13897	13962	15018	
Yr. Total	5731511	5556320	5844615	5747189	5897339	6056218	6353900	6378836	6469286	5165075
Yr. Aver.	15659	15222	16013	15746	16113	16592	17408	17476	17724	
Peak Day	24850	20904	21379	21555	21501	24870	22472	23540	22452	

Monthly Bypass / Overflow Report													
System:	Wastewater Collection System			County:	Montgomery								
Month:	September	Year	2021	Permit#:	TN 0020656								
System Contact:	Brian Shelton		Title:	Public Utility Senior Director			Phone Number:	931 553-2424					
Type of Overflow	Day	Rain Fall	Location of Bypass/Overflow Nearest Stream	Duration / Time		Gallons	Reason for Bypassing and Remedial Action	Overflow (O) Release (R)	Nearest downstream pump station				
				From:	To:								
U	9	no	Turner Lane LS / Spring Creek	8:22am	8:28am	600	Power outage. Spread lime.	R	Turner Lane				
U	12	no	Turner Lane LS / Spring Creek	8:58 AM	9:27 AM	2,900	Power outage. Spread lime.	R	Turner Lane				
U	14	no	MH 9608 / Little West Fork	8:41am	9:46am	1,625	Surcharged main. Washdown and spread lime.	R	Ringgold Rd				
U	20	no	Clover Glen LS/ Red River	6:31pm	6:41pm	50	Mechanical failure of pump stations. Wash down and spread lime.	R	Clover Glen				
U	21	no	636 Renee Ct/Wall Branch	1:30pm	2:30pm	60	Main break. Repaired main and spread lime.	R	Beacon Hills				
U	22	no	MH 21272	10:55am	11:10am	3,000	Line was plugged for construction work and plug broke loose. The surge of water caused an overflow. Spread lime.	R	Irish Hills				
U	24	no	1236 Southern Pkwy/ Cumberland River	8:15am	9:15am	16,500	Cleared main blockage. Cleaned up solids and spread lime.	R	48/13				
U	25	no	3387 Poplar Hills	10:00pm	11:00pm	1,500	ARV leaking. Replaced ARV, cleaned solids, spread lime.	R	Poplar Hills #1				
Type of Overflow													
U-All Other Occurrences T-Wet Weather Overflows													

METER READING AND SERVICE DEPARTMENT MONTHLY / YEARLY REPORT

METER READING

		<u>Meters Read</u>			<u>Accuracy Rate</u>
		<u>Gas</u>	<u>Water</u>	<u>Total</u>	
September	2021	29,472	76,086	105,558	99.89%
August	2021	29,451	75,978	105,429	99.92%
July	2021	29,417	75,618	105,035	99.92%
June	2021	29,397	75,420	104,817	99.92%
May	2021	29,380	75,065	104,445	99.91%
April	2021	29,359	74,777	104,136	99.87%
March	2021	29,337	74,461	103,798	99.87%
February	2021	29,293	74,282	103,575	99.89%
January	2021	29,240	74,050	103,290	99.89%
December	2020	29,207	73,900	103,107	99.86%
November	2020	29,165	73,694	102,859	99.90%
October	2020	29,118	73,543	102,661	99.87%
September	2020	29,064	73,668	102,732	99.87%
12 Month Total		380,900	970,542	1,351,442	99.89%

SERVICE DEPARTMENT

		<u>Service Orders</u>	<u>After Hours Calls</u>
September	2021	5066	238
August	2021	5513	271
July	2021	5893	250
June	2021	5942	221
May	2021	4423	184
April	2021	5106	209
March	2021	5699	259
February	2021	3170	329
January	2021	4500	238
December	2020	5107	243
November	2020	4465	291
October	2020	6209	296
September	2020	5630	265
12 Month Total		66,723	3,294