



GAS & WATER COMMITTEE AGENDA

DATE: September 23, 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.
3. Sale of Surplus Property for the months of July and August 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 23, 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
SEPTEMBER 23, 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 and Replacement Lids	Hayes Pipe Supply, Inc.	\$397,493.50
4223	Four (4) 20 Ton Tag-A-Long Trailers	LMI, Inc.	\$ 79,200.00

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 OminiSite.
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.

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
Fortline	\$66,283.40
G&C Supply	No Bid
Ferguson Waterworks	No Response

**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*	
Fortline	\$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 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

*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:	Shermco Industries
QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:	Largest NETA Accredited Company, 100+ Electrical Engineers, NFPA 70E members with 20+ locations in North America.
YEARS OF EXPERIENCE:	Shermco has been in business since 1974.
SIMILAR PROJECTS PERFORMED FOR THE CITY:	Shermco 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 Shermco.
SIMILAR PROJECTS PERFORMED ELSEWHERE:	Shermco provides training at their facilities in multiple locations in the US and Canada. We will utilize Shermco's electrical training at the CGW facility.
OTHER QUALIFICATIONS:	I have attached Shermco'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 Uhler, Tim Roby, Angel Goike, Garth Branch, Ben Clark
DEPARTMENT WHERE FUNDS ARE BUDGETED:	Gas & Water, Training Budgets for WWTP, SCWTP, NCWTP, WD, WWC, Engineering

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

DATE

7/28/21

[Signature] 7-27-21
SIGNATURES OF OTHERS INVOLVED IN SELECTION

DATE

07-27-21

[Signature]
SIGNATURE OF PURCHASING SUPERVISOR

DATE

7-29-21

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 Shermco Training.
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[Signature]
Chief Financial Officer
[Signature]
SIGNATURE OF PURCHASING SUPERVISOR

DATE

DATE

See Attached

7-29-21

7-29-21

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

COURSE 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 NFPA70E (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 NFPA70E (8-hours)

See attached
Email for
Class dates.

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 Extensions

Clark Engineering & Utility Solutions, LLC

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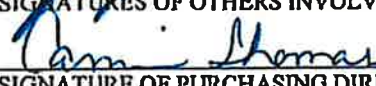
	engineering services to CGW, is well experienced in all aspects of gas distribution, engineering as well as meeting regulatory requirements, and has satisfactorily completed numerous projects for CGW in the past.
NAMES OF THOSE INVOLVED IN THE SELECTION (MUST BE 2 OR MORE AND MUST HAVE NO CONFLICT OF 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

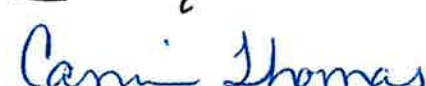
2. **COST: ONCE ALL SIGNATURES ABOVE HAVE BEEN SECURED, YOU MAY NOW REQUEST PRICING FROM THE SELECTED FIRM. COST SHALL BE REPORTED TO THE PURCHASING DIRECTOR ONCE OBTAINED.**

ESTIMATED COST (TO BE PROVIDED ONCE DETERMINED):	\$ 84,100.00
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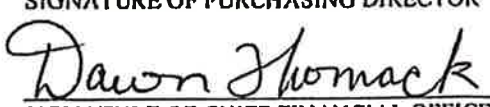
Acknowledgement of cost estimate received:


 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 Linbar 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 plans 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 • NICET - Level I, II Soil and Concrete • ICC - Reinforced Concrete, Masonry, Structural Steel & Bolting, Structural Welding and Spray Applied Fireproofing Special Inspector • CETCO – 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 (L.T)

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 • Mastio 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. <u>CGW:</u> - 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 Easement - New Sewer Forcemain - Highpointe Row Property Boundary Survey <u>City General</u> - 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.

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	<u>Street Department</u> - Rossview Road Improvements - Edmondson Ferry Road & 41a Bypass Intersection - Cardinal Lane Extension - Exit 8 Frontage Road - Edmondson Ferry I - Dunlop and International Intersection <u>CDE</u> - Maintenance and Transformer Building - Parking Master Plan
SIMILAR PROJECTS PERFORMED ELSEWHERE:	TTL has extensive project experience, which includes: - McEwen WWTP and Hwy 70 PS Improvements (McEwen, 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

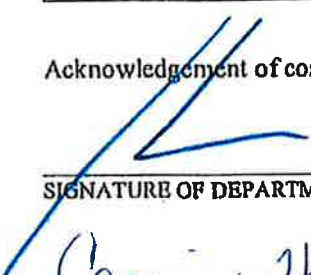
TTL, Inc.

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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
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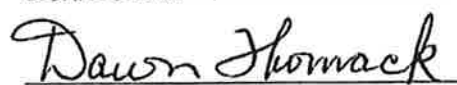
Acknowledgement of cost estimate received:


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.

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	• CMCSS East Montgomery Switchgear Replacement – 2017 • CMCSS Gracey 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:	Suiter Surveying & Land Planning, Inc.
QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:	Suiter 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. Suiter 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 (CGW) • 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: ○ Bellshire ○ Allen Chase ○ Heritage Point ○ Autumnwood Farms ○ Bridge Church ○ F&M Bank
OTHER QUALIFICATIONS:	Suiter 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

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/DESIGNEE

09-03-2021
DATE

SIGNATURE OF PURCHASING DIRECTOR

9-10-21
DATE

SIGNATURE OF CHIEF FINANCIAL OFFICER

9-3-21
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
Sep-20	\$ 9,388.82	78	\$ 120.37	\$ 3,911.12	\$ 11,862.94	71	\$ 167.08
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
	\$ 144,236.56	906	\$ 159.20	\$ 56,722.36	\$ 121,837.14	813	\$ 149.86

39.33%

CGW Water Department
August, 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	2,537,243	2,045,342	491,901	5,084,540	4,090,683	993,856
Penalties	34,509	27,083	7,426	61,628	54,167	7,461
Other Income	389,531	306,667	82,864	745,789	613,333	132,455
Gross Revenue	2,961,283	2,379,092	582,191	5,891,956	4,758,183	1,133,773
Water Plant 1	400,654	357,574	(43,080)	909,752	715,147	(194,605)
Water Plant 2	44,037	70,674	26,636	87,587	141,348	53,761
Water Transmission	489,319	740,926	251,607	934,943	1,481,853	546,910
Water Administration	37,434	30,645	(6,789)	92,007	61,290	(30,717)
Customer Service	311,300	328,382	17,083	719,752	656,764	(62,988)
Accounting	54,866	56,347	1,480	129,690	112,693	(16,997)
Engineering	89,394	115,599	26,205	205,521	231,198	25,677
Admin & General	75,609	81,280	5,671	158,664	162,561	3,896
Other Expenses	16,992	16,500	(492)	30,793	33,000	2,207
Depreciation	531,551	522,750	(8,801)	1,065,202	1,045,500	(19,702)
Total Operating Expenses	2,051,156	2,320,677	269,520	4,333,912	4,641,353	307,441
Income from Operations	910,126	58,415	851,711	1,558,045	116,830	1,441,215
Interest Income	2,915	6,750	(3,835)	5,688	13,500	(7,812)
Other Income (Expense)	(1,028,322)	(79,583)	(948,739)	(1,022,108)	(159,167)	(862,941)
Interest Expense	(64,489)	(340,275)	275,786	(131,742)	(680,551)	548,809
Debt Amortization Income	329,011	15,361	313,650	344,372	30,722	313,650
PILOT	(98,142)	(98,142)	-	(196,284)	(196,284)	-
Total Other Income (Expense)	(859,027)	(495,890)	(363,137)	(1,000,072)	(991,779)	(8,293)
Total Income / (Loss)	51,100	(437,475)	488,574	557,972	(874,949)	1,432,921
Capital Spend	96,552	3,754,000	3,657,448	411,382	7,508,000	7,096,618
Contributed Capital - Cash	-	-	-	-	0	-
Contributed Capital - Non-Cash	-	1,000,000	(1,000,000)	-	2,000,000	(2,000,000)

CGW Wastewater Department
August, 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	3,707,264	3,433,367	273,898	7,571,819	6,866,733	705,085
Penalties	51,361	41,667	9,695	97,895	83,333	14,561
Other Income	514,354	397,417	116,937	955,282	794,833	160,449
Gross Revenue	4,272,979	3,872,450	400,529	8,624,995	7,744,900	880,095
Wastewater Plant	402,843	452,299	49,457	813,446	904,599	91,152
Wastewater Collection	566,185	611,007	44,822	1,146,643	1,222,015	75,371
Wastewater Administration	55,431	51,446	(3,986)	115,640	102,892	(12,748)
Customer Service	169,170	188,173	19,002	447,707	376,345	(71,361)
Accounting	52,936	62,786	9,850	135,267	125,573	(9,694)
Engineering	90,401	122,024	31,623	211,665	244,049	32,384
Admin & General	70,296	81,351	11,055	153,707	162,702	8,995
Other Expenses	17,175	16,500	(675)	31,121	33,000	1,879
Depreciation	992,375	985,333	(7,041)	1,982,553	1,970,667	(11,887)
Total Operating Expenses	2,416,813	2,570,920	154,108	5,037,750	5,141,841	104,091
Income from Operations	1,856,166	1,301,530	554,637	3,587,246	2,603,060	984,186
Interest Income	4,901	8,750	(3,849)	9,743	17,500	(7,757)
Other Income (Expense)	(364,215)	667	(364,882)	(356,652)	1,333	(357,986)
Interest Expense	(461,853)	(488,197)	26,345	(960,429)	(976,395)	15,966
Debt Amortization Income	8,572,808	74,758	8,498,050	8,672,005	149,516	8,522,489
PILOT	(193,771)	(193,771)	-	(387,541)	(387,541)	-
Total Other Income (Expense)	7,557,871	(597,793)	8,155,664	6,977,125	(1,195,586)	8,172,712
Total Income / (Loss)	9,414,037	703,737	8,710,301	10,564,371	1,407,473	9,156,898
Capital Spend	486,618	1,754,000	1,267,382	1,189,495	3,508,000	2,318,505
Contributed Capital - Cash	-	-	-	-	-	-
Contributed Capital - Non-Cash	-	916,667	(916,667)	-	1,833,333	(1,833,333)

CGW Gas Department
August, 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	1,505,678	1,319,324	186,354	2,864,848	2,494,721	370,127
Penalties	8,521	8,333	188	14,928	16,667	(1,738)
Other Income	75,156	95,292	(20,136)	262,569	190,583	71,986
Gross Revenue	1,589,355	1,422,949	166,406	3,142,345	2,701,971	440,374
Cost of Gas	1,055,380	679,945	(375,435)	1,906,465	1,495,878	(410,587)
Gas Distribution	211,189	253,490	42,300	432,756	506,979	74,223
Gas Administration	107,099	195,616	88,517	235,044	391,232	156,188
Ft. Campbell Operations	38,509	40,992	2,482	93,301	81,983	(11,318)
Customer Service	108,905	111,937	3,031	246,761	223,873	(22,888)
Accounting	42,992	55,031	12,039	114,126	110,062	(4,064)
Engineering	46,197	59,147	12,950	96,342	118,295	21,952
Admin & General	70,190	81,228	11,038	153,176	162,455	9,279
Other Expenses	13,616	16,500	2,884	24,721	33,000	8,279
Depreciation	166,642	162,417	(4,226)	326,460	324,833	(1,627)
Total Operating Expenses	1,860,721	1,656,302	(204,419)	3,629,154	3,448,591	(180,563)
Income from Operations	(271,365)	(233,353)	(38,013)	(486,809)	(746,620)	259,811
Interest Income	3,312	5,942	(2,629)	6,669	11,883	(5,215)
Other Income (Expense)	(3,530)	500	(4,030)	193	1,000	(807)
Interest Expense	(14,029)	(14,011)	(18)	(28,058)	(28,022)	(36)
Debt Amortization Income	89,139	3,766	85,373	92,905	7,532	85,373
PILOT	(66,298)	(66,298)	-	(132,597)	(132,597)	-
Total Other Income (Expense)	8,594	(70,102)	78,696	(60,888)	(140,203)	79,315
Total Income / (Loss)	(262,771)	(303,454)	40,683	(547,698)	(886,823)	339,126
Capital Spend	158,095	734,000	575,905	500,874	1,468,000	967,126
Contributed Capital - Cash	-	6,250	(6,250)	-	12,500	(12,500)
Contributed Capital - Non-Cash	-	41,667	(41,667)	-	83,333	(83,333)

FY 2022 Debt Coverage

August, 2021

Fiscal Period	2
	Actual
System Gross Revenue	\$ 17,659,297
System Operating Expenses	13,000,816
	4,658,481
Add: Depreciation Expense	3,374,215
Other Revenue (Expense)	(1,356,467)
Net Revenues	\$ 6,676,228

Debt Coverage Ratio	2.14
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

August, 2021

FY 2022 Budget

<i>Total Debt</i>	\$ 163,202,569
<i>Operating Revenue</i>	\$ 105,955,781
Debt/Operating Revenue	1.54

FY 2021 Actual

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

FY 2020 Actual

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

FY 2019 Actual

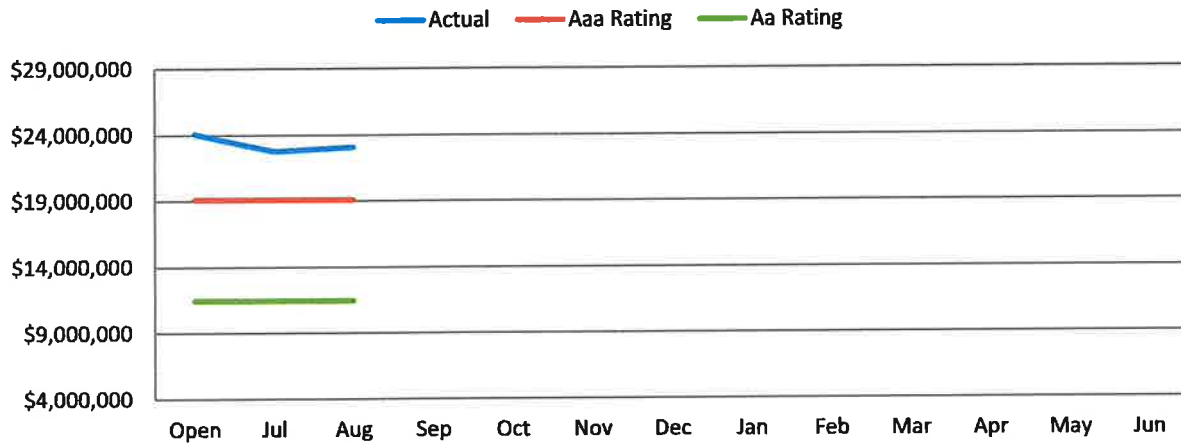
<i>Total Debt</i>	\$ 210,708,804
<i>Operating Revenue</i>	\$ 93,864,185
Debt/Operating Revenue	2.24

<2.00 = Aaa

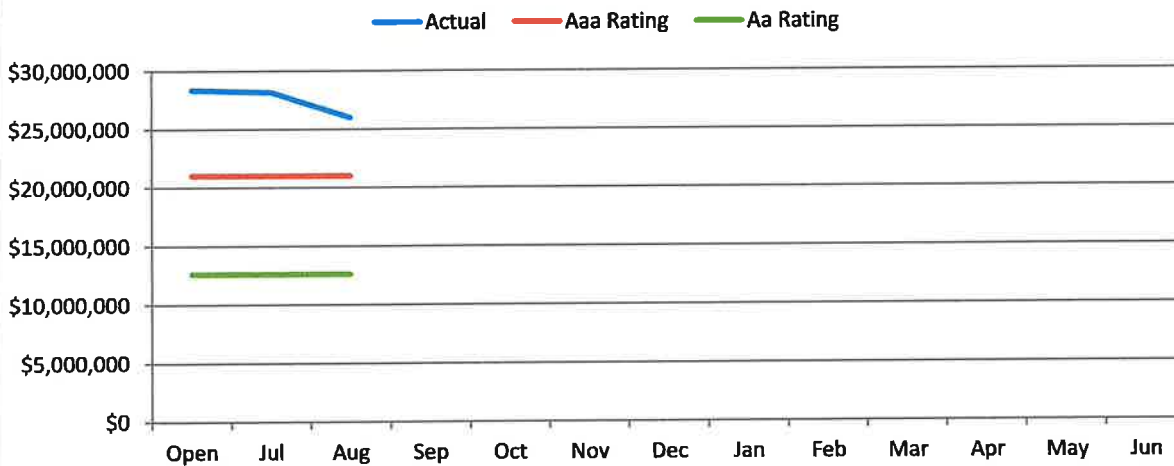
2.00 - 4.00 = Aa

Clarksville Gas & Water FY 2022

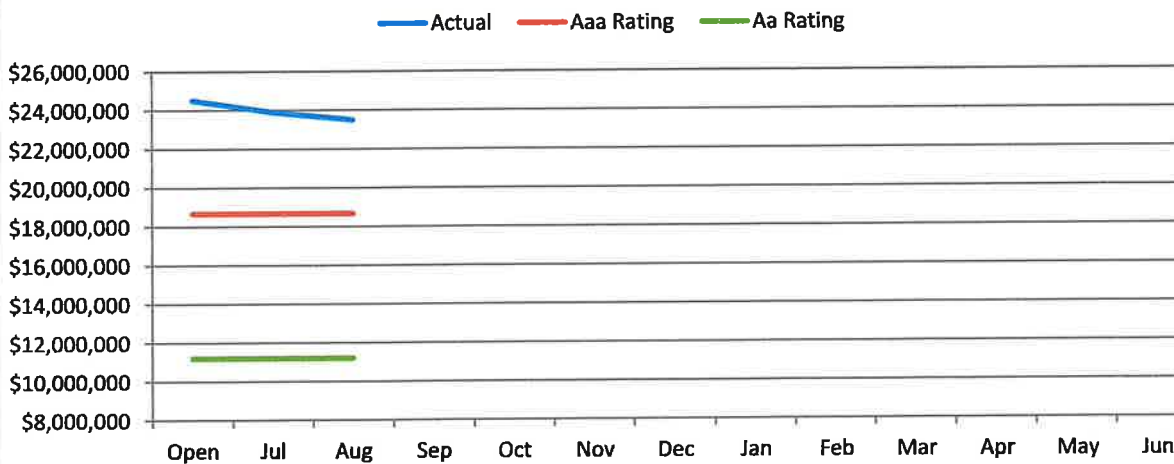
FY 2022 Available Cash - Water



FY 2022 Available Cash - Wastewater



FY 2022 Available Cash - Gas



Monthly Activity Summary

August 2021

- **Assessment Areas:**
 - Hazelwood: cost \$2,727,241 / paid \$2,482,250 / remaining \$244,991
 - Oakland: cost \$881,876 / paid \$293,975/ remaining \$587.901
- Gas System distributed 280 million cubic feet and averaged 9 million cubic feet per day. That represents approximately 13.7 percent of the system's capacity.
- Water Plant pumped 633 million gallons of treated water into the system and averaged 20.4 million gallons per day. That represents approximately 72 percent of the plant's capacity.
- Wastewater Plant treated 426 million gallons of sewage and averaged 13.7 million gallons per day. That represents approximately 54 percent of the plant's capacity.
- The call center handled 10,416 calls and averaged 336 per day. Each call lasted an average of 3 minutes and 42 seconds.
- Service Department completed 5,513 work orders and responded to 271 after hour calls.
- Gas Division installed 20 new services totaling 1,215 feet of pipe, 13 mains totaling 10,072 feet of pipe, and responded to 49 natural gas odor calls.
- Water Division repaired 117 water leaks totaling 2,183 feet of pipe, flushed 387 hydrants, and tested 690 backflow devices.
- Sewer Division made 23 point repairs totaling 36 feet of pipe, cleaned 7,459 feet of pipe, and reported 37 sewer overflows.
- Engineering Department approved 14 utility plans this month and currently has 34 on-going projects.
- Billing Department read 105,429 meters with an accuracy rate of 99.92 percent and sent a total of 96,725 bills and notices.

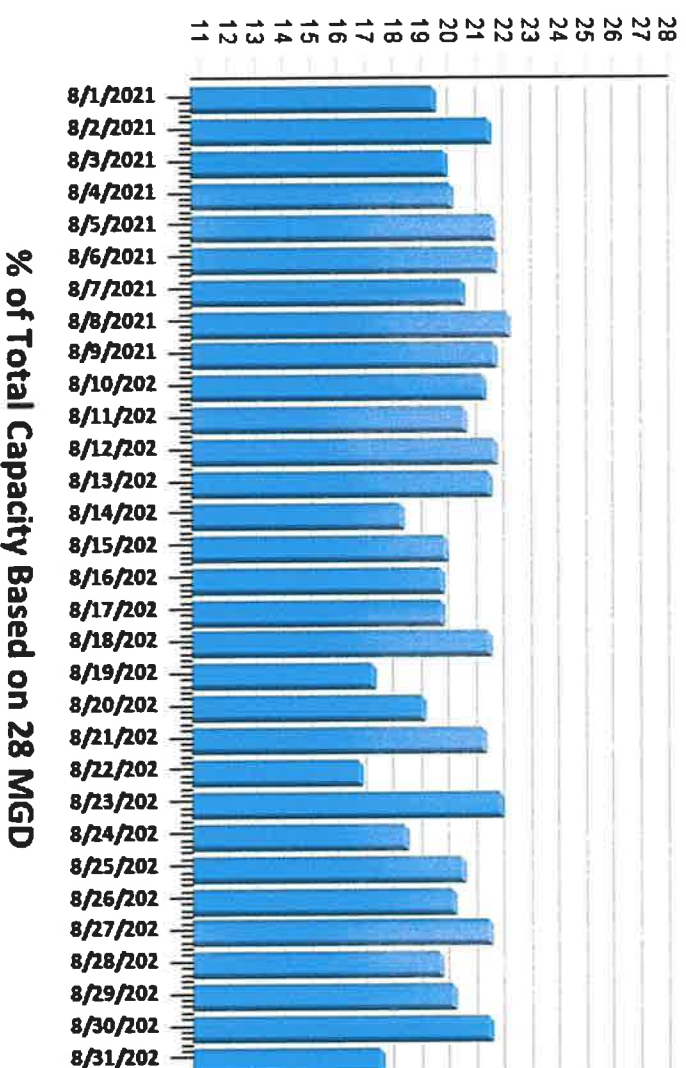
DATE	TOTALS IN MGD	DATE	% of Total Capacity Based on 28 MGD
8/1/2021	19.6	8/1/2021	70.00
8/2/2021	21.6	8/2/2021	77.14
8/3/2021	20.0	8/3/2021	71.43
8/4/2021	20.2	8/4/2021	72.14
8/5/2021	21.7	8/5/2021	77.50
8/6/2021	21.8	8/6/2021	77.86
8/7/2021	20.6	8/7/2021	73.57
8/8/2021	22.3	8/8/2021	79.64
8/9/2021	21.8	8/9/2021	77.86
8/10/2021	21.4	8/10/2021	76.43
8/11/2021	20.7	8/11/2021	73.93
8/12/2021	21.8	8/12/2021	77.86
8/13/2021	21.6	8/13/2021	77.14
8/14/2021	18.4	8/14/2021	65.71
8/15/2021	20.0	8/15/2021	71.43
8/16/2021	19.9	8/16/2021	71.07
8/17/2021	19.9	8/17/2021	71.07
8/18/2021	21.6	8/18/2021	77.14
8/19/2021	17.4	8/19/2021	62.14
8/20/2021	19.2	8/20/2021	68.57
8/21/2021	21.4	8/21/2021	76.43
8/22/2021	16.9	8/22/2021	60.36
8/23/2021	22.0	8/23/2021	78.57
8/24/2021	18.6	8/24/2021	66.43
8/25/2021	20.6	8/25/2021	73.57
8/26/2021	20.3	8/26/2021	72.50
8/27/2021	21.6	8/27/2021	77.14
8/28/2021	19.8	8/28/2021	70.71
8/29/2021	20.3	8/29/2021	72.50
8/30/2021	21.6	8/30/2021	77.14
8/31/2021	17.7	8/31/2021	63.21

Monthly
total

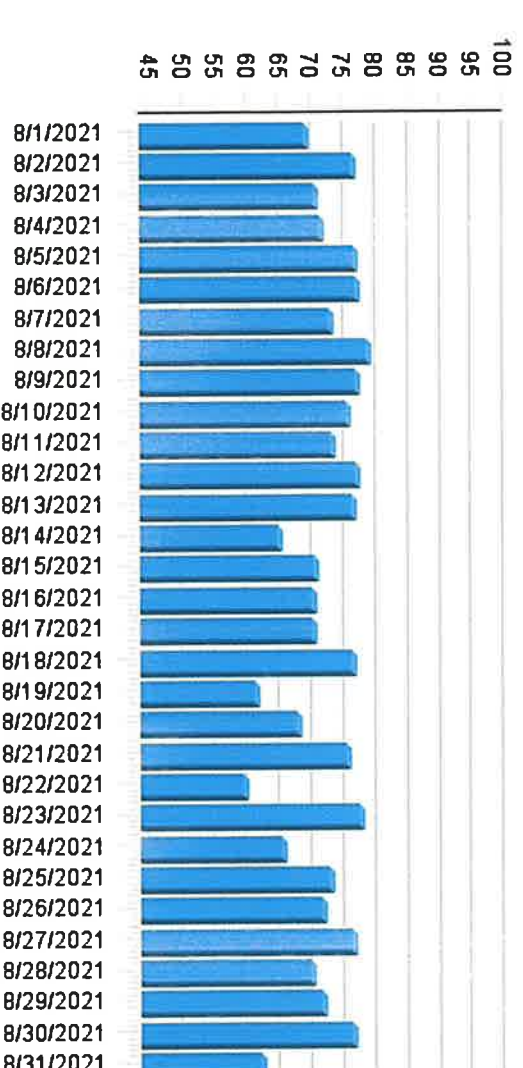
632.3

72.85

Daily Finished Totals MGD



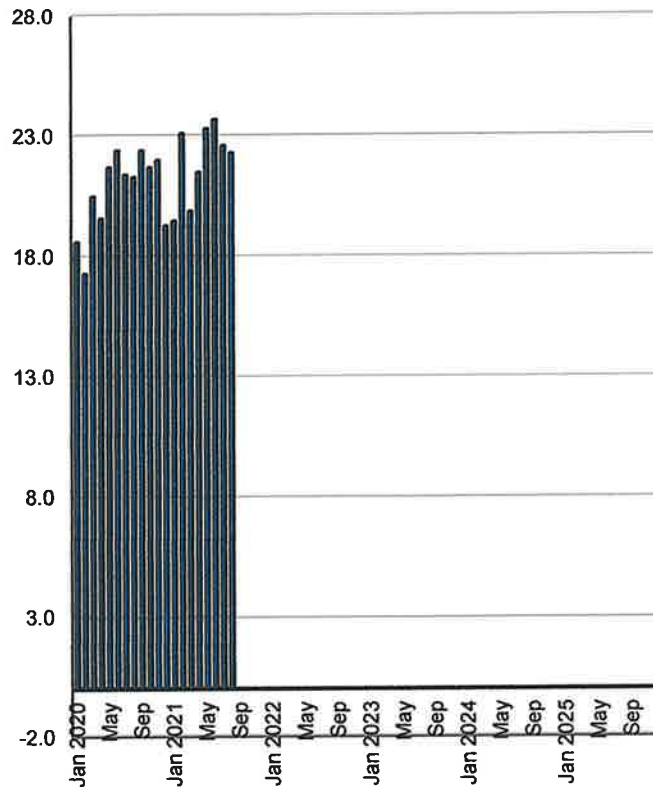
% of Total Capacity Based on 28 MGD



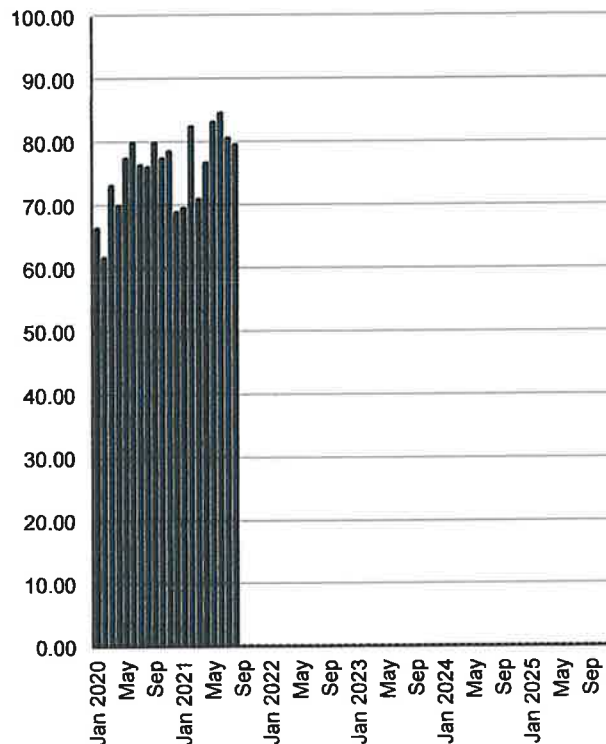
NOTE: 21 DAYS PUMPED > 20 mgd

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		Sep	0.00
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

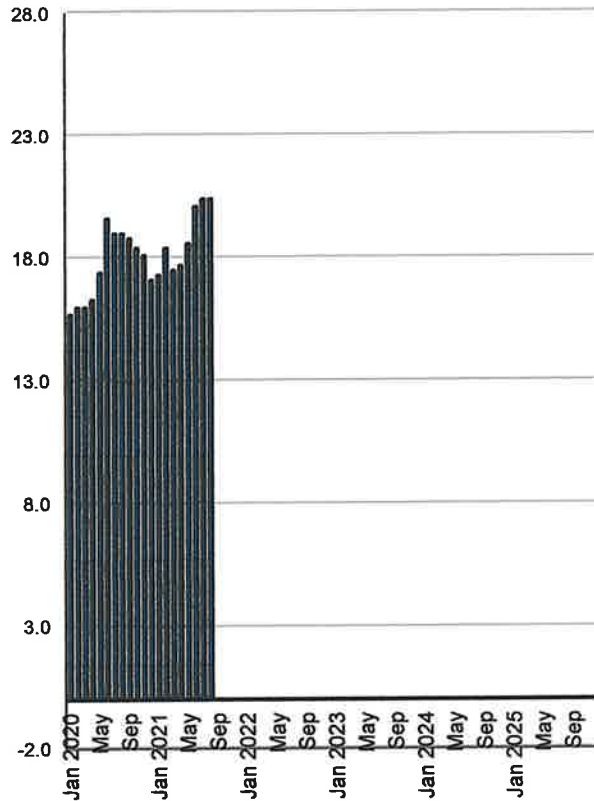


% of Capacity Based on 28 MGD

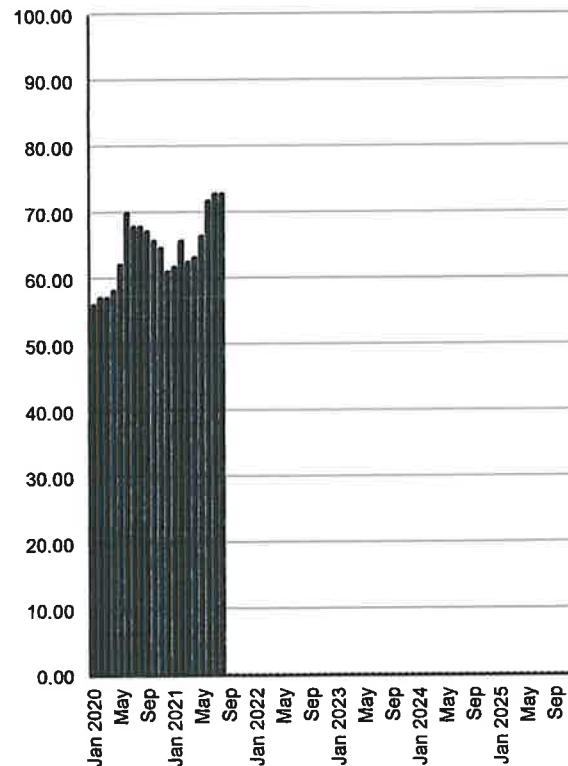


Date	Amt	Date	% of Capacity
Jan 2020	15.7	Jan 2020	56.07
Feb	16.0	Feb	57.14
Mar	16.0	Mar	57.14
Apr	16.3	Apr	58.21
May	17.4	May	62.14
Jun	19.6	Jun	70.00
Jul	19.0	Jul	67.86
Aug	19.0	Aug	67.86
Sep	18.8	Sep	67.14
Oct	18.4	Oct	65.71
Nov	18.1	Nov	64.64
Dec	17.1	Dec	61.07
Jan 2021	17.3	Jan 2021	61.79
Feb	18.4	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		Sep	0.00
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	
Aver.	15532	16483	17577	16955	17738	17685	18973	20190	18849	
Max	17889	17993	21379	19573	21501	19637	22112	23540	22452	
Min	12729	14365	14851	14245	16104	15576	16342	17485	16121	
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	4579819
Yr. Aver.	15659	15222	16013	15746	16113	16592	17408	17476	17724	
Peak Day	24850	20904	21379	21555	21501	24870	22472	23540	22452	

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>	
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%
August	2020	29,015	73,617	102,632	99.89%
12 Month Total		380,443	968,073	1,348,516	99.89%

SERVICE DEPARTMENT

		<u>Service Orders</u>	<u>After Hours Calls</u>
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
August	2020	5760	296
12 Month Total		67,417	3,352