



GAS & WATER COMMITTEE AGENDA

DATE: January 20, 2022

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: November 18, 2021

IV. DEPARTMENT REPORTS:

1. Bid – Summary – Camille Thomas (attached)
2. Professional Services – Camille Thomas (attached)
 - Survey and Design Services for the US Highway 41-A Natural Gas Main Replacement from Suiter Surveying & Land Planning, Inc. in the amount of \$70,000.00.
 - Engineering Services for the Clarksville Gas Master Plan from Clark Engineering & Utility Solutions, LLC in the amount of \$171,000.00.
 - Survey and Design Services for the Peachers Mill Road Natural Gas Main Extension from Suiter Surveying & Land Planning, Inc. in the amount of \$53,625.00.
 - Miscellaneous Engineering & Surveying Services from Suiter Surveying & Land Planning, Inc. in the amount of \$100,000.00.
 - Flow Monitoring Services from ADS Environmental Services in the amount of \$75,000.00.
 - Competent Tower Climber Training from Honeywell in the amount of \$9,336.00.
3. Sale of Surplus Property on GovDeals.com for the months of November and December totaled \$2,105 – Camille Thomas (attached)
4. Bad Debt – Dawn Thomack (attached)
5. Financials – Dawn Thomack (attached)
6. Department Reports – Mark Riggins (attached)
7. CGW Status Update – Mark Riggins

V. COMMITTEE ACTION REQUIRED

VI. CITY COUNCIL ACTION REQUIRED

VII. ADJOURNMENT

VIII. PUBLIC COMMENTS (5 minutes each)



GAS & WATER COMMITTEE November 18, 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, November 18, 2021, at 4:42 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 October 21, 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:

- Fee Increase for Flow Monitoring Services from ADS Environmental Services in the amount of \$25,000.00 for a total cost of \$199,600.00.

Sale of Surplus Property for the month of October 2021 totaling \$260.00 was reported by Camille Thomas.

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

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

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

COMMITTEE ACTION REQUIRED

CITY COUNCIL ACTION REQUIRED

ADJOURNMENT

The meeting was adjourned at 5:04 p.m.

**GAS & WATER DEPARTMENT
BID SUMMARY
JANUARY 20, 2022**

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>
4244	Water Tank Inspection/Cleaning Services	SE Diving Services	\$ 84,750.00
4248	Water Meter Boxes & Replacement Lids	Fortiline	\$151,128.50
4251	PVC Pipe	Fortiline	\$27.58/foot

SOLE SOURCE PURCHASES:

1. Future purchases of TD Williamson products from TD Williamson, Inc.
2. Future purchases of Godwin/Xylem pumps, parts, and service from Xylem Dewatering Solutions.
3. Future purchases of Watson Marlow chemical feed pumps and parts from Eco-Tech.
4. Future purchases of Grob Miniline actuators and valves from Framo Morat.

Bid 4244-Water Tank Inspection/Cleaning Services

SE Diving Services	\$ 84,750.00*
Specialty Diving of Louisiana	\$329,369.00
Liquivision Technology Diving Services	No Response
US Underwater Services, LLC	No Response
Southeastern Underwater Services, Inc.	No Response
Potable Divers, Inc.	No Response
Liquid Engineering	No Response
CorrTech	No Response
MIDCO Diving & Marine	No Response
Utility Service Company	No Response
Pittsburg Tank & Tower	No Response
Elite National Tank & Tower	No Response
MER Diving	No Response
Dixon Engineering	No Response
Zion Marine	No Response
Marine Solutions	No Response
In Depth Services, Inc.	No Response

Bid 4248-Water Meter Boxes & Replacement Lids

Fortiline	\$151,128.50*
Hayes Pipe Supply	\$147,071.85
Southern Pipe & Supply	\$135,937.25**

Consolidated Pipe & Supply	\$138,755.00**	Local
Core & Main	\$146,300.00**	
G&C Supply	\$147,492.95**	
Kenny Pipe & Supply	No Response	Local
Citco Water	No Response	
General Utilities Pipe & Supply	No Response	
Ferguson Waterworks	No Response	Local
Volunteer Utility Sales, Inc.	No Response	

*Second lowest bidder was awarded bid because Hayes Pipe indicated that all items must be ordered immediately or there could be a price increase.

**Did not bid all items.

Bid 4251-PVC Pipe

Fortiline	\$27.58/foot*	
Core & Main	\$32.40/foot	
Consolidated Pipe & Supply	\$35.98/foot	Local
G&C Supply	No Response	
Hayes Pipe Supply	No Response	
Ferguson Waterworks	No Response	Local
Southern Pipe & Supply	No Response	

*Department Recommendation

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	US Hwy 41-A Natural Gas Main Replacement – Project comprises survey, design and construction plans for the replacement of approximately 7,500 LF of 12" high pressure natural gas main along US Highway 41-A as well as limited bid and construction phase services. Contract Term: Project design phase plus limited bid and construction phase services are estimated to last 12 months.
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:	• Matt Suiter, Suiter Surveying and Land Planning, Inc.'s professional engineer and land surveyor, performed gas main surveys for relocation while employed as a Civil Engineer with the City of Clarksville Gas & Water Department (2009/2010) • Peachers Mill Road Natural Gas Main Extension • Suiter Surveying & Land Planning, Inc. has provided survey and design services for numerous water and wastewater projects, to include: ○ Misc. Water and Sewer System Improvements ○ Locust Street, South Woodson Road and Highway 12 Water Main Improvements ○ Miscellaneous Engineering & Surveying Services
SIMILAR PROJECTS PERFORMED ELSEWHERE:	RLU Oil and Gas Project, North Christian County, KY, which comprised the relocation design of approximately 6 miles of existing gas lines, rehabilitation, surveying and easement acquisition
OTHER QUALIFICATIONS:	Suiter Surveying has satisfactorily performed and successfully delivered on numerous utility projects as a consultant as well as a subconsultant for the City.
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

REQUEST FOR PROFESSIONAL SERVICE
US Hwy 41-A Natural Gas Main Replacement
Sulter Surveying & Land Planning, Inc.

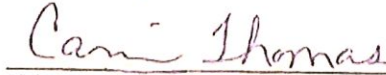
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SIGNATURE OF DEPARTMENT HEAD OF BUDGETARY
DEPT. OR HIS/HER DESIGNEE

12-2-21
DATE


SIGNATURES OF OTHERS INVOLVED IN SELECTION

12-2-2021
DATE


SIGNATURE OF PURCHASING DIRECTOR

12-2-21
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):

\$ 70,000.00

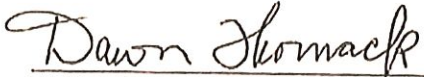
Acknowledgement of cost estimate received:


SIGNATURE OF DEPARTMENT HEAD/DESIGNEE

12-2-21
DATE


SIGNATURE OF PURCHASING DIRECTOR

12-3-21
DATE


SIGNATURE OF CHIEF FINANCIAL OFFICER

12-2-21
DATE

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	Clarksville Gas Master Plan – Contract will include all research and engineering services required to create a plan for natural gas system growth for the next 25 years, including, an initial study of the existing natural gas system, studying of the City of Clarksville "2040 Clarksville Montgomery County Growth Plan" and the "2040 Metropolitan Transportation Plan", researching any other proposed Montgomery County, Cheatham County, or Robertson County projects and/or interlocal agreements in order to project any expected utility coverage area growth, development of 5-, 10-, and 25-year milestones for growth of the Clarksville Gas System, and creation of a detailed 5-year capital budget plan, which will include project scopes, estimated construction costs, and estimated project durations. Contract Term: estimated to require approximately 12 months
NAME OF FIRM:	Clark Engineering and Utility Solutions, LLC (CEUS) 325 Mitchell Lane Bolivar, TN 38008
QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:	Mr. Richard Clark, owner of CEUS, has provided specialized natural gas engineering, consulting, and design services to municipalities since 1996 while employed by The Tennergy Corporation and other firms. CEUS utilizes seasoned, licensed professionals to provide overall facilities planning, engineering, and construction administration services. CEUS' 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, CEUS 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:	25 years (since Aug. 1996) plus 5 years of regulatory experience with TPUC; started CEUS in 2018
SIMILAR PROJECTS PERFORMED FOR THE CITY:	• Highway 41-A Gas Pipeline from Hwy 49 to Keri Drive • Red River Bridge Pipeline Relocation and/or Rehabilitation at Two Locations • Gas System Model Development • Misc. Engineering Services • 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 1 Extension (July 2015) • Jackson Energy Authority – TDOT Casey Jones Relocation (June 2016) • Murray Gas – Potter Town Rd (March 2017)

REQUEST FOR PROFESSIONAL SERVICE

Clarksville Gas Master Plan

Clark Engineering & Utility Solutions, LLC

Page 2

	• 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 CEUS, has provided professional 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

7-29-21
DATE

SIGNATURES OF OTHERS INVOLVED IN SELECTION

DATE

SIGNATURE OF PURCHASING DIRECTOR

7-30-21
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):	\$ 171,000.00
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Acknowledgement of cost estimate received:

SIGNATURE OF DEPARTMENT HEAD/DESIGNEE

11-19-21
DATE

SIGNATURE OF PURCHASING DIRECTOR

12-2-21
DATE

SIGNATURE OF CHIEF FINANCIAL OFFICER

11-23-21
DATE

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	Peachers Mill Road Natural Gas Main Extension – Project comprises survey, design, easement descriptions and construction plans for approximately 4,500 LF of 6" HDPE 4710 low pressure gas main as well as limited bid and construction phase services. Contract Term: Estimated project design phase of approximately 60 days plus limited bid and construction phase services
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:	• Matt Suiter, Suiter Surveying and Land Planning, Inc.'s professional engineer and land surveyor, performed gas main surveys for relocation while employed as a Civil Engineer with the City of Clarksville Gas & Water Department (2009/2010) • Suiter Surveying & Land Planning, Inc. has provided survey and design services for numerous water and wastewater projects, to include: - o Misc. Water and Sewer System Improvements - o Locust Street, South Woodson Road and Highway 12 Water Main Improvements - o Miscellaneous Engineering & Surveying Services
SIMILAR PROJECTS PERFORMED ELSEWHERE:	RLU Oil and Gas Project, North Christian County, KY, which comprised the relocation design of approximately 6 miles of existing gas lines, rehabilitation, surveying and easement acquisition
OTHER QUALIFICATIONS:	Suiter Surveying has satisfactorily performed and successfully delivered on numerous utility projects as a consultant as well as a subconsultant for the City.
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

9-22-21
 DATE

REQUEST FOR PROFESSIONAL SERVICE
Peachers Mill Road Natural Gas Main Extension
Sulter Surveying & Land Planning, Inc.

Page 2

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):

\$ 53,625.00

Acknowledgement of cost estimate received:


SIGNATURE OF DEPARTMENT HEAD/DESIGNEE

11-16-21
DATE


SIGNATURE OF PURCHASING DIRECTOR

11-17-21
DATE


SIGNATURE OF CHIEF FINANCIAL OFFICER

11-16-21
DATE

REQUEST FOR PROFESSIONAL SERVICE

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. Contract Term: One-year term with option to renew two times for a one-year term each.
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:	• US Hwy 41-A Natural Gas Main Replacement (ongoing) • Peachers Mill Road Natural Gas Main Extension (ongoing) • Allen Griffey 24" Force Main/Northwest Manifold Improvements (ongoing) • Misc. Water and Sewer System Improvements (ongoing) • Locust Street, South Woodson Road and Highway 12 Water Main Improvements • Miscellaneous Engineering & Surveying Services (since 2019) • 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 • 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:	• RLU Oil and Gas Project, North Christian County, KY • 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, and F&M Bank
OTHER QUALIFICATIONS:	Suiter Surveying has satisfactorily performed and successfully delivered on several projects as a consultant and subconsultant for the City.
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 OR BUDGETARY DEPT. OR HIS/HER DESIGNEE

12-21-2021
 DATE

SIGNATURES OF OTHERS INVOLVED IN SELECTION

12/21/21
 DATE

SIGNATURE OF PURCHASING DIRECTOR

1-4-22
 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):	\$100,000.-
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Acknowledgement of cost estimate received:

SIGNATURE OF DEPARTMENT HEAD/DESIGNEE

01-05-2022
 DATE

SIGNATURE OF PURCHASING DIRECTOR

1-5-22
 DATE

SIGNATURE OF CHIEF FINANCIAL OFFICER

1-5-2022
 DATE

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	Flow Monitoring Services – Services to identify and prioritize infiltration/inflow and other capacity-related problems to improve system performance. Services will comprise field services to install and maintain flow monitoring network, data analysis to assure accuracy and reliability of flow data, delivery of flow monitoring data and engineering reporting, which comprises statistical analysis and data interpretation. ADS will provide temporary flow studies to delineate problem areas, rank sub-basins by inflow and infiltration severity. Contract Term: One-year contract with option to renew up to two times for a one-year term each.
NAME OF FIRM:	ADS Environmental Services (ADS)
QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:	ADS has served the water and wastewater industry for over four decades. ADS monitors the performance of collection system flows and sewer levels. ADS provides robust, accurate and affordable measurement along with hydraulic analysis to support project and financial objectives. ADS offers comprehensive, innovative flow information, from real-time flow data to temporary flow monitoring reports. In addition, ADS offers level monitoring to provide early warning of preventable blockages - preventing overflows and optimizing sewer cleaning. With its extensive experience and thousands of flow and level assessment projects, ADS tailors product recommendations to meet even the most challenging projects and provide the right level of services to match budget and resources. ADS has a comprehensive array of software products that deliver information of the highest quality. ADS utilizes flow monitors, level monitors as well as software, and provides field services and data processing to Web-based information and statistical reporting.
YEARS OF EXPERIENCE:	Established in 1975
SIMILAR PROJECTS PERFORMED FOR THE CITY:	Services in the past 10+ years include: - Flow meters and rain gauges for long term sewer line flow monitoring along with data analysis - CACS flow monitoring (services were performed as a subconsultant) - CSO basin study flow monitoring
SIMILAR PROJECTS PERFORMED ELSEWHERE:	- Permanent Flow Monitoring (1990 to present – ongoing), Nashville Metro Water Services, TN - Permanent Flow Monitoring (1993 to present – ongoing), Murfreesboro, TN - Permanent Flow Monitoring (2008 to present – ongoing), Chattanooga, TN - Permanent Flow Monitoring (2012 to present – ongoing), Knoxville Utilities Board
OTHER QUALIFICATIONS:	ADS has satisfactorily provided flow data collection and analysis and interpretation to CGW in the past. To provide its customers improved equipment reliability, field work efficiencies, and outstanding flow data uptime, ADS has maintained a Certified Quality Management System (QMS) for products and services, which is centered around ensuring the implementation of quality processes through continuous improvement and customer feedback, for over twenty years. ADS' management team relies on

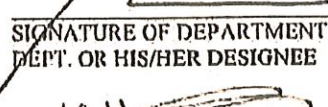
REQUEST FOR PROFESSIONAL SERVICE

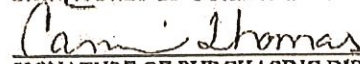
Flow Monitoring Services

ADS Environmental Services

Page 2

	ISO and ATEX standards to focus all employees on quality systems that audit manufacturing, service, and sales processes for continuous improvements which are tied directly to customer requirements. ADS is the only flow monitoring company in its industry with an ISO certification of field services. ADS is audited annually by authorized agencies for verifying compliance to ISO 9001 QMS standards. ADS audits internal field services such as flow monitoring installations and maintenance services.
NAMES OF THOSE INVOLVED IN THE SELECTION (MUST BE 2 OR MORE AND MUST HAVE NO CONFLICT OF INTEREST AS PER PURCHASING POLICY):	Garth B. Branch, PE Y'hanna Perez-Ortiz, PE
DEPARTMENT WHERE FUNDS ARE BUDGETED:	Clarksville Gas & Water Department

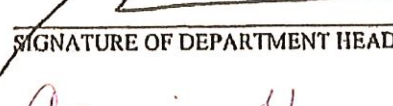

 SIGNATURE OF DEPARTMENT HEAD OF BUDGETARY DEPT. OR HIS/HER DESIGNEE
 12-17-2021
 DATE

 SIGNATURES OF OTHERS INVOLVED IN SELECTION
 16 December 2021
 DATE

 SIGNATURE OF PURCHASING DIRECTOR
 12-17-20
 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):	\$ 75,000.00
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Acknowledgement of cost estimate received:


 SIGNATURE OF DEPARTMENT HEAD/DESIGNEE
 01-12-2022
 DATE

 SIGNATURE OF PURCHASING DIRECTOR
 1-13-21
 DATE

 SIGNATURE OF CHIEF FINANCIAL OFFICER
 1-12-2022
 DATE

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	Competent Tower Climber Training 2 consecutive days (16 Hours)
NAME OF FIRM:	Honeywell/ Miller Training by Honeywell
QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:	This company has many qualified instructors and Ron Schwab has over 20 years of experience in the Fall Prevention and Protection Field, 5 years as the Manager of Miller/Troll Training, a division of Baccou Dalloz, the leading fall protection manufacturer in the world.
YEARS OF EXPERIENCE:	20+
SIMILAR PROJECTS PERFORMED FOR THE CITY:	The same class was administered by this firm in March 2020 for Clarksville Gas & Water.
SIMILAR PROJECTS PERFORMED ELSEWHERE:	All over the United States.
OTHER QUALIFICATIONS:	Honeywell/Miller Training has certified all of our climbers for several years. We are familiar with the instructions and their procedures.
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, Angel Goike, Sherry Hayes
DEPARTMENT WHERE FUNDS ARE BUDGETED:	41114140-57320

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):	\$9336.00
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Acknowledgement of cost estimate received:

SIGNATURE OF PURCHASING SUPERVISOR

DATE

SIGNATURE OF CHIEF FINANCIAL OFFICER

DATE

Clarksville Gas and Water Department, TN
Date range: 01 Nov 2021 - 31 Dec 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>
347	9 MISC TRUCK TOOL BOXES		David Yates	USD	\$430.00	15 Nov 2021 08:00 AM CT	
348	MISC EQUIPMENT		Carey Ricketts	USD	\$253.00	15 Nov 2021 08:00 AM CT	
349	1997 GMC SAFARI VAN		Irving Hamilton	USD	\$1,375.00	29 Nov 2021 07:00 AM CT	
350	MISC OFFICE DECOR, SUPPLIES & MISC EQUIPMENT, FUEL TANK		Larry Gladden	USD	\$47.00	06 Dec 2021 08:00 AM CT	
					\$2,105.00		

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
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
Oct-21	\$ 14,583.64	77	\$ 189.40	\$ 3,754.22	\$ 10,528.76	63	\$ 167.12
Nov-21	\$ 9,978.18	89	\$ 112.11	\$ 2,794.47	\$ 7,992.73	45	\$ 177.62
Dec-21	\$ 18,096.71	107	\$ 169.13	\$ 1,593.56	\$ 6,079.02	42	\$ 144.74
	\$ 122,242.94	799	\$ 152.99	\$ 58,430.24	\$ 139,409.50	794	\$ 175.58

47.80%

CGW Water Department
December, 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	2,160,850	2,045,342	115,508	13,875,785	12,272,050	1,603,735
Penalties	43,601	27,083	16,517	198,619	162,500	36,119
Other Income	286,526	306,667	(20,140)	2,014,960	1,840,000	174,960
Gross Revenue	2,490,976	2,379,092	111,885	16,089,364	14,274,550	1,814,814
Water Plant 1	336,703	357,574	20,871	2,405,211	2,145,441	(259,770)
Water Plant 2	64,092	70,674	6,582	288,266	424,043	135,777
Water Transmission	678,690	740,926	62,236	3,523,510	4,445,559	922,049
Water Administration	38,565	30,645	(7,920)	233,545	183,870	(49,675)
Customer Service	320,361	328,382	8,021	1,982,786	1,970,293	(12,493)
Accounting	66,500	56,347	(10,153)	354,359	338,080	(16,279)
Engineering	136,490	115,599	(20,891)	623,230	693,594	70,363
Admin & General	96,775	81,280	(15,495)	516,293	487,682	(28,612)
Other Expenses	27,295	16,500	(10,795)	108,808	99,000	(9,808)
Depreciation	564,212	522,750	(41,462)	3,245,191	3,136,500	(108,691)
Total Operating Expenses	2,329,683	2,320,677	(9,007)	13,281,199	13,924,060	642,861
Income from Operations	161,293	58,415	102,878	2,808,166	350,491	2,457,675
Interest Income	341,142	6,750	334,392	(1,352,957)	40,500	(1,393,457)
Other Income (Expense)	282	(79,583)	79,866	(991,157)	(477,500)	(513,657)
Interest Expense	(12,644)	(340,275)	327,631	(357,461)	(2,041,652)	1,684,190
Debt Amortization Income	159,523	15,361	144,162	982,462	92,166	890,296
PILOT	(98,142)	(98,142)	-	(588,852)	(588,852)	-
Total Other Income (Expense)	390,161	(495,890)	886,051	(2,307,965)	(2,975,338)	667,372
Total Income / (Loss)	551,454	(437,475)	988,929	500,200	(2,624,847)	3,125,047
Capital Spend	2,414,114	6,925,000	4,510,886	9,429,844	32,038,000	22,608,156
Contributed Capital - Cash	-	-	-	2,925	0	2,925
Contributed Capital - Non-Cash	5,972,175	1,000,000	4,972,175	6,077,566	6,000,000	77,566

CGW Wastewater Department
December, 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	3,485,882	3,433,367	52,516	21,397,359	20,600,200	797,159
Penalties	52,173	41,667	10,507	292,720	250,000	42,720
Other Income	328,239	397,417	(69,178)	2,412,821	2,384,500	28,321
Gross Revenue	3,866,294	3,872,450	(6,156)	24,102,899	23,234,700	868,199
Wastewater Plant	515,300	452,299	(63,001)	2,586,909	2,713,796	126,887
Wastewater Collection	705,170	611,007	(94,163)	3,609,584	3,666,044	56,459
Wastewater Administration	58,278	51,446	(6,832)	336,508	308,675	(27,833)
Customer Service	230,563	188,173	(42,391)	1,204,505	1,129,036	(75,469)
Accounting	65,420	62,786	(2,634)	357,599	376,718	19,119
Engineering	148,857	122,024	(26,832)	653,035	732,147	79,111
Admin & General	89,151	81,351	(7,800)	487,094	488,107	1,013
Other Expenses	25,707	16,500	(9,207)	108,083	99,000	(9,083)
Depreciation	1,018,956	985,333	(33,623)	6,083,699	5,912,000	(171,699)
Total Operating Expenses	2,857,402	2,570,920	(286,482)	15,427,015	15,425,522	(1,494)
Income from Operations	1,008,892	1,301,530	(292,638)	8,675,884	7,809,179	866,706
Interest Income	4,942	8,750	(3,808)	29,056	52,500	(23,444)
Other Income (Expense)	1,657	667	991	(338,257)	4,000	(342,257)
Interest Expense	193,800	(488,197)	681,997	(2,779,299)	(2,929,184)	149,885
Debt Amortization Income	90,443	74,758	15,685	9,033,777	448,549	8,585,228
PILOT	(193,771)	(193,771)	-	(1,162,624)	(1,162,624)	-
Total Other Income (Expense)	97,072	(597,793)	694,865	4,782,652	(3,586,759)	8,369,411
Total Income / (Loss)	1,105,964	703,737	402,227	13,458,536	4,222,420	9,236,117
Capital Spend	917,383	1,643,000	725,617	4,259,065	10,191,000	5,931,935
Contributed Capital - Cash	-	-	-	1,878	-	1,878
Contributed Capital - Non-Cash	6,671,926	916,667	5,755,260	6,672,019	5,500,000	1,172,019

CGW Gas Department
December, 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	4,193,557	2,326,807	1,866,750	13,102,816	9,619,068	3,483,748
Penalties	14,727	8,333	6,393	50,644	50,000	644
Other Income	97,633	95,292	2,342	590,050	571,750	18,300
Gross Revenue	4,305,917	2,430,432	1,875,485	13,743,511	10,240,818	3,502,693
Cost of Gas	2,515,407	1,767,856	(747,551)	10,885,661	6,051,507	(4,834,154)
Gas Distribution	287,875	258,490	(29,385)	1,475,093	1,550,938	75,845
Gas Administration	232,729	190,616	(42,113)	932,979	1,143,696	210,717
Ft. Campbell Operations	41,137	40,992	(145)	250,450	245,950	(4,500)
Customer Service	112,509	111,937	(573)	688,118	671,620	(16,498)
Accounting	57,941	55,031	(2,910)	308,107	330,187	22,079
Engineering	72,710	59,147	(13,563)	298,593	354,884	56,291
Admin & General	89,875	81,228	(8,648)	485,775	487,366	1,591
Other Expenses	20,940	16,500	(4,440)	86,463	99,000	12,537
Depreciation	161,142	162,417	1,275	971,633	974,500	2,867
Total Operating Expenses	3,592,265	2,744,213	(848,053)	16,382,872	11,909,647	(4,473,226)
Income from Operations	713,652	(313,781)	1,027,433	(2,639,361)	(1,668,829)	(970,533)
Interest Income	2,806	5,942	(3,135)	18,654	35,650	(16,996)
Other Income (Expense)	16,190	500	15,690	29,077	3,000	26,077
Interest Expense	11,139	(14,011)	25,149	(65,535)	(84,065)	18,530
Debt Amortization Income	3,753	3,766	(13)	107,917	22,595	85,322
PILOT	(66,298)	(66,298)	-	(397,790)	(397,790)	-
Total Other Income (Expense)	(32,410)	(70,102)	37,691	(307,676)	(420,610)	112,933
Total Income / (Loss)	681,242	(383,882)	1,065,124	(2,947,038)	(2,089,438)	(857,600)
Capital Spend	133,992	738,000	604,008	829,210	4,419,000	3,589,790
Contributed Capital - Cash	17,826	6,250	11,576	18,716	37,500	(18,784)
Contributed Capital - Non-Cash	-	41,667	(41,667)	-	250,000	(250,000)

FY 2022 Debt Coverage

December, 2021

Fiscal Period	6
	<u>Actual</u>
System Gross Revenue	\$ 53,935,774
System Operating Expenses	45,091,086
	<u>8,844,688</u>
Add: Depreciation Expense	10,300,524
Other Revenue (Expense)	<u>(2,605,585)</u>
Net Revenues	\$ 16,539,628

Debt Coverage Ratio	2.04
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

December, 2021

FY 2022 Budget

Total Debt	\$ 356,997,569
Operating Revenue	\$ 107,871,549
Debt/Operating Revenue	3.31

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

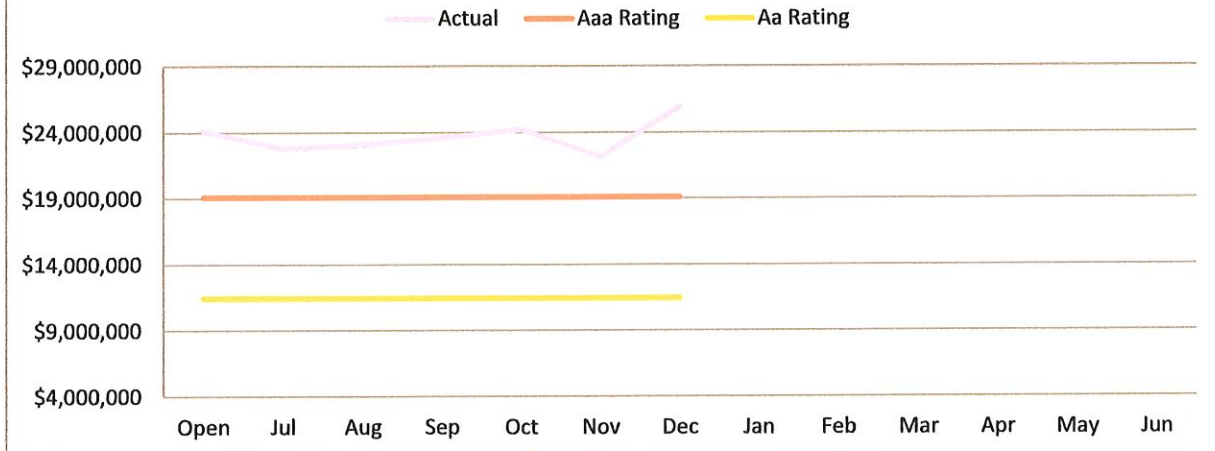
Total Debt	\$ 210,708,804
Operating Revenue	\$ 93,864,185
Debt/Operating Revenue	2.24

<2.00 = Aaa

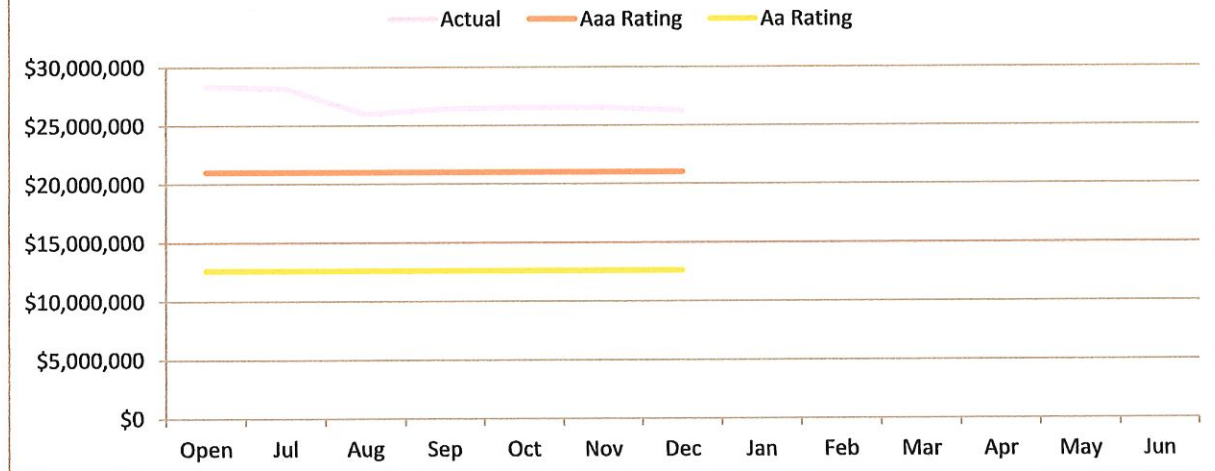
2.00 - 4.00 = Aa

Clarksville Gas & Water FY 2022

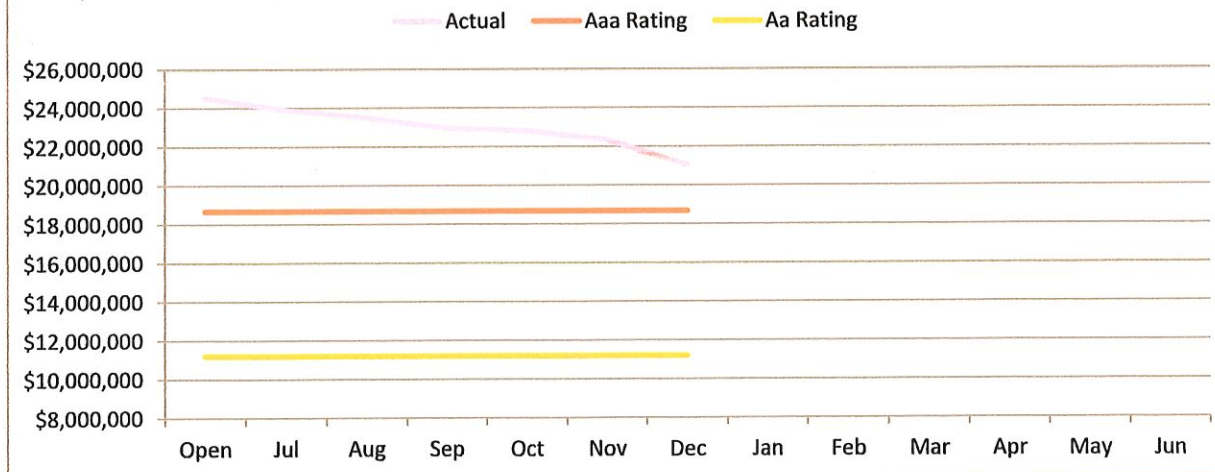
FY 2022 Available Cash - Water



FY 2022 Available Cash - Wastewater



FY 2022 Available Cash - Gas





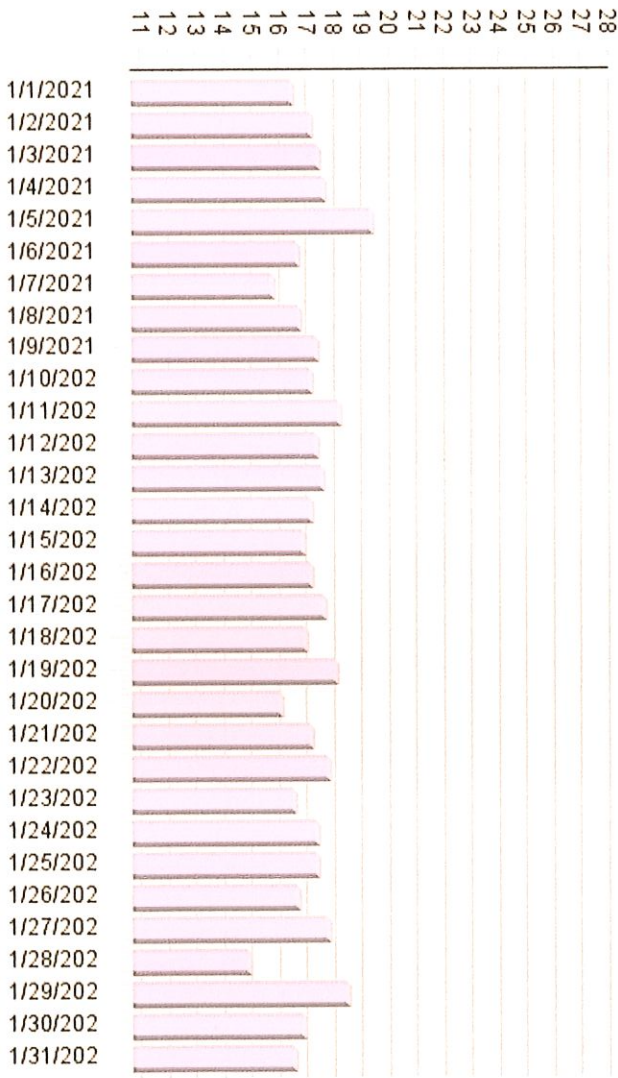
Monthly Activity Summary

December 2021

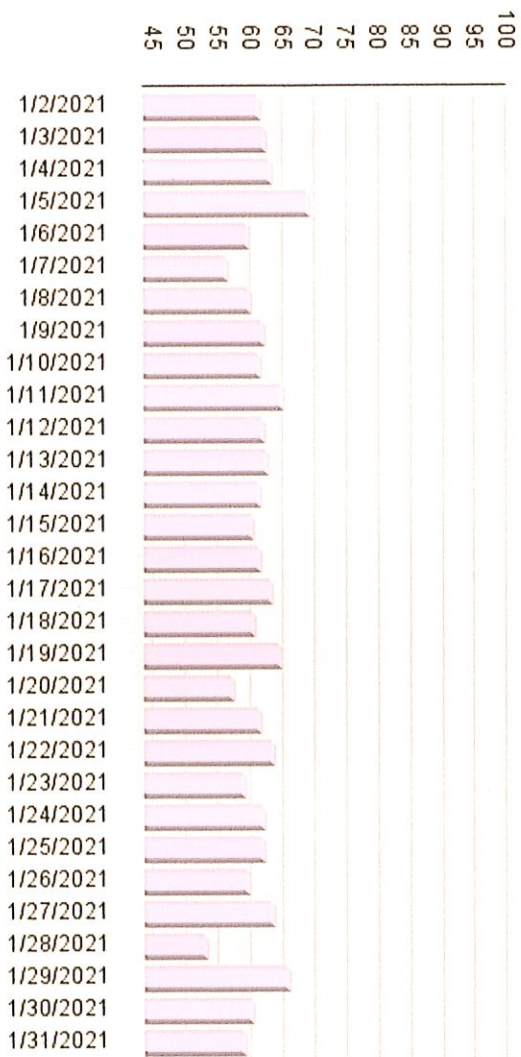
- Assessment Areas:
 - Hazelwood: cost \$2,727,241 / paid \$2,587,250 / remaining \$139,991
 - Oakland: cost \$881,876 / paid \$293,975/ remaining \$587,901
- Gas System distributed 554 million cubic feet and averaged 17.8 million cubic feet per day. That represents approximately 27 percent of the system's capacity.
- Water Plant pumped 527 million gallons of treated water into the system and averaged 17 million gallons per day. That represents approximately 60 percent of the plant's capacity.
- Wastewater Plant treated 425 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 9,632 calls and averaged 310 per day. Each call lasted an average of 4 minutes.
- Service Department completed 5,168 work orders and responded to 312 after hour calls.
- Gas Division installed 38 new services totaling 3,581 feet of pipe, 4 mains totaling 62 feet of pipe, and responded to 100 natural gas odor calls.
- Water Division repaired 71 water leaks totaling 1,655 feet of pipe, flushed 138 hydrants, and tested 507 backflow devices.
- Sewer Division made 19 point repairs totaling 283 feet of pipe, cleaned 8,270 feet of pipe.
- Engineering Department approved 10 utility plans this month and currently has 27 on-going projects.
- Billing Department read 106,371 meters with an accuracy rate of 99.91 percent and sent a total of 95,025 bills and notices.

DATE	TOTALS IN MGD	DATE	% of Total Capacity Based on 28 MGD
1/1/2021	16.6	1/1/2021	59.29
1/2/2021	17.3	1/2/2021	61.79
1/3/2021	17.6	1/3/2021	62.86
1/4/2021	17.8	1/4/2021	63.57
1/5/2021	19.5	1/5/2021	69.64
1/6/2021	16.8	1/6/2021	60.00
1/7/2021	15.9	1/7/2021	56.79
1/8/2021	16.9	1/8/2021	60.36
1/9/2021	17.5	1/9/2021	62.50
1/10/2021	17.3	1/10/2021	61.79
1/11/2021	18.3	1/11/2021	65.36
1/12/2021	17.5	1/12/2021	62.50
1/13/2021	17.7	1/13/2021	63.21
1/14/2021	17.3	1/14/2021	61.79
1/15/2021	17.0	1/15/2021	60.71
1/16/2021	17.3	1/16/2021	61.79
1/17/2021	17.8	1/17/2021	63.57
1/18/2021	17.1	1/18/2021	61.07
1/19/2021	18.2	1/19/2021	65.00
1/20/2021	16.2	1/20/2021	57.86
1/21/2021	17.3	1/21/2021	61.79
1/22/2021	17.9	1/22/2021	63.93
1/23/2021	16.7	1/23/2021	59.64
1/24/2021	17.5	1/24/2021	62.50
1/25/2021	17.5	1/25/2021	62.50
1/26/2021	16.8	1/26/2021	60.00
1/27/2021	17.9	1/27/2021	63.93
1/28/2021	15.0	1/28/2021	53.57
1/29/2021	18.6	1/29/2021	66.43
1/30/2021	17.0	1/30/2021	60.71
1/31/2021	16.7	1/31/2021	59.64
Monthly total	536.5		61.81

Daily Finished Totals MGD

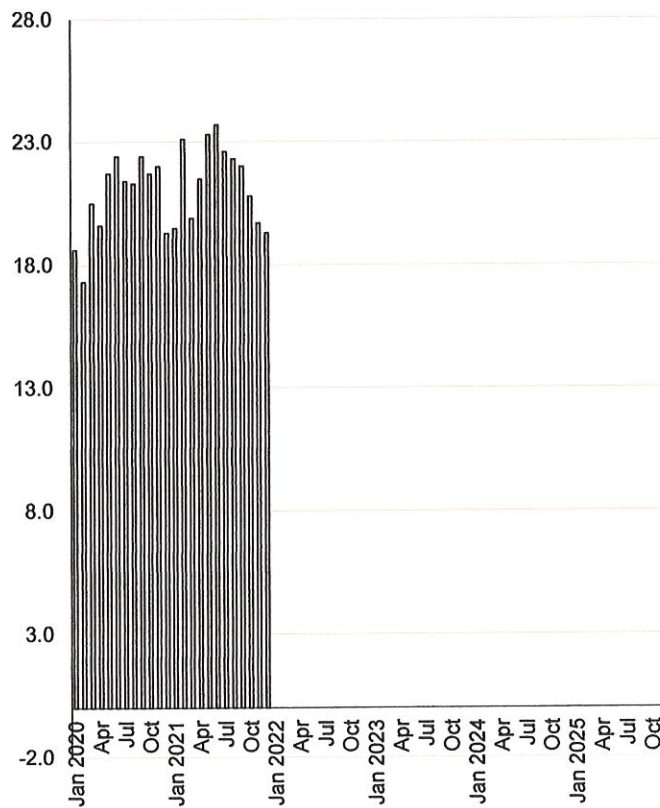


% of Total Capacity Based on 28 MGD

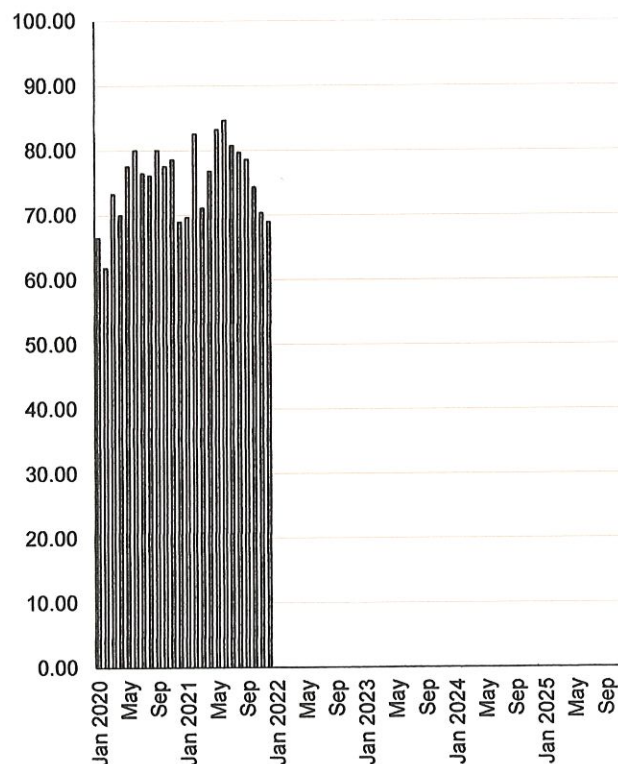


Date	Amt	Date	% of Capacity
Jan 2020	18.6	Jan 2020	66.43
Feb	17.3	Feb	61.79
Mar	20.5	Mar	73.21
Apr	19.6	Apr	70.00
May	21.7	May	77.50
Jun	22.4	Jun	80.00
Jul	21.4	Jul	76.43
Aug	21.3	Aug	76.07
Sep	22.4	Sep	80.00
Oct	21.7	Oct	77.50
Nov	22.0	Nov	78.57
Dec	19.3	Dec	68.93
Jan 2021	19.5	Jan 2021	69.64
Feb	23.1	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	22.0	Sep	78.57
Oct	20.8	Oct	74.29
Nov	19.7	Nov	70.36
Dec	19.3	Dec	68.93
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

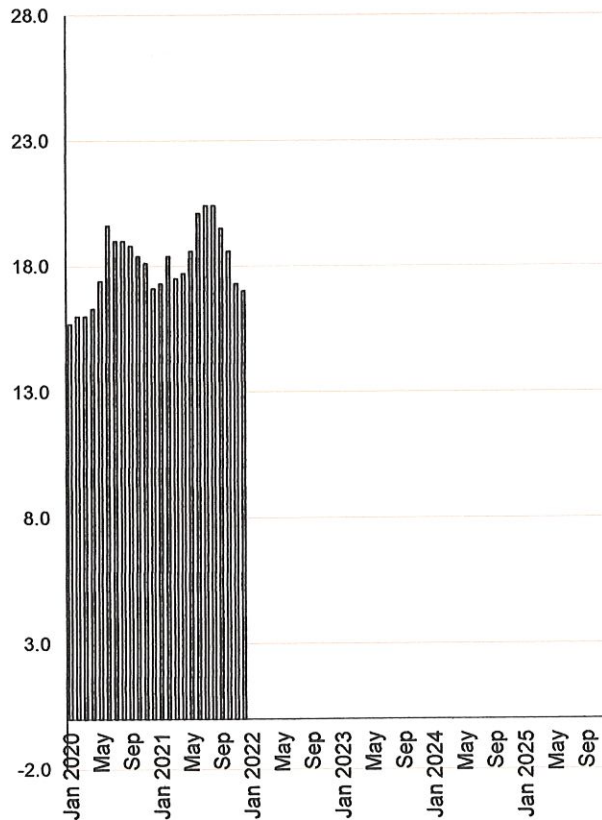


% of Capacity Based on 28 MGD

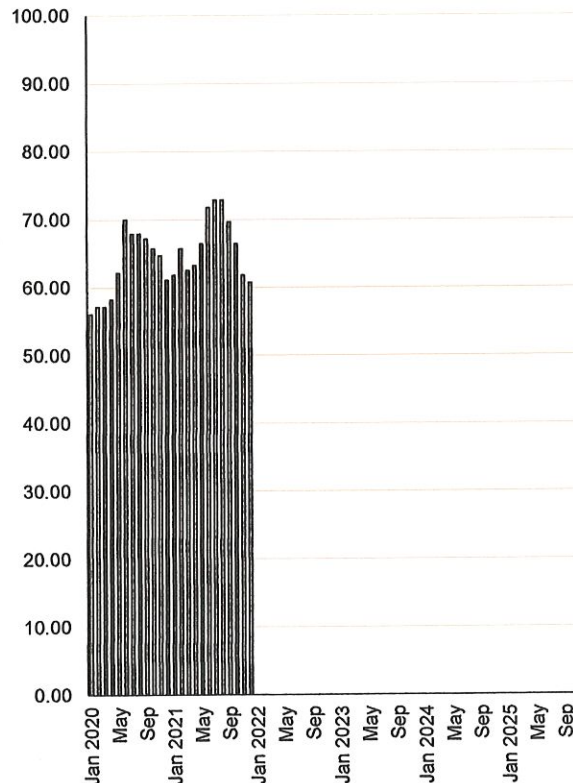


Date	Amt	Date	% of Capacity
Jan 2020	15.7	Jan 2020	56.07
Feb	16.0	Feb	57.14
Mar	16.0	Mar	57.14
Apr	16.3	Apr	58.21
May	17.4	May	62.14
Jun	19.6	Jun	70.00
Jul	19.0	Jul	67.86
Aug	19.0	Aug	67.86
Sep	18.8	Sep	67.14
Oct	18.4	Oct	65.71
Nov	18.1	Nov	64.64
Dec	17.1	Dec	61.07
Jan 2021	17.3	Jan 2021	61.79
Feb	18.4	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	18.6	Oct	66.43
Nov	17.3	Nov	61.79
Dec	17.0	Dec	60.71
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	576635
Aver.	14626	15556	15643	15208	17658	17198	18119	18077	18495	18601
Max	16734	18514	18115	16803	20503	19507	20803	21149	21771	20894
Min	12269	12424	13993	13337	15408	14485	15333	14001	16235	16225
Nov.Total	442808	442786	443208	427852	501075	490630	496859	506448	544277	520726
Aver.	14760	14760	14774	14262	16703	16354	16562	16882	18143	17358
Max	17735	16254	16718	15879	19499	18381	19630	19775	22005	19727
Min	12435	13360	13207	12336	13700	13825	14615	14275	16175	14142
Dec.Total	431342	463552	453064	442384	475697	497194	504637	492948	533119	527675
Aver.	13914	14953	14615	14270	15345	16039	16279	15902	17197	17022
Max	17507	20904	16055	16082	17226	17728	19829	17795	19317	19357
Min	10650	12206	13421	12787	13516	13355	13897	13962	15018	15196
Yr. Total	5731511	5556320	5844615	5747189	5897339	6056218	6353900	6378836	6469286	6790111
Yr. Aver.	15659	15222	16013	15746	16113	16592	17408	17476	17724	18603
Peak Day	24850	20904	21379	21555	21501	24870	22472	23540	22452	23784

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>	
December	2021	29,545	76,826	106,371	99.91%
November	2021	29,518	76,549	106,067	99.90%
October	2021	29,503	76,304	105,807	99.90%
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%
12 Month Total		382,119	979,316	1,361,435	99.90%

SERVICE DEPARTMENT

		<u>Service Orders</u>	<u>After Hours Calls</u>
December	2021	5168	312
November	2021	4807	327
October	2021	283	283
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
12 Month Total		60,677	3,364