



## **GAS & WATER COMMITTEE AGENDA**

**DATE: January 21, 2021**

**TIME: 3:45 p.m.**

**LOCATION: Via Zoom**

**IN AN EFFORT TO FACILITATE THE RESPONSE TO CORONAVIRUS DISEASE 2019 (COVID-19), THIS MEETING WILL BE CONDUCTED VIA ZOOM. AN AUDIO RECORDING OF THE PROCEEDINGS WILL BE MADE AVAILABLE TO THE PUBLIC WITHIN 48 HOURS. MEMBERS OF THE PUBLIC ARE, BY LAW, ALLOWED TO ATTEND MEETINGS OF THE CITY OF CLARKSVILLE GAS & WATER COMMITTEE, BUT ARE STRONGLY DISCOURAGED TO DO SO AT THIS TIME.**

### **I. CALL TO ORDER**

### **II. ANNOUNCE MEMBERS IN ATTENDANCE (VERIFY QUORUM)**

### **III. APPROVAL OF ELECTRONIC MEETING**

*In order to comply with the technical aspects of the Governor's Executive Order regarding holding open meetings in a forum other than in the open and in public, this governing body determines that meeting electronically is necessary to protect the health, safety, and welfare of its citizens due to the COVID-19 outbreak.*

### **IV. ADOPTION OF MINUTES: November 19, 2020**

### **V. DEPARTMENT REPORTS:**

1. Bad Debt – Fred Klein (attached)
2. Financials – Fred Klein (attached)
3. Bid – Summary – Camille Thomas (attached)
4. Professional Services – Camille Thomas (attached)
  - Design Services for New Thermal Dryer Equipment for the WWTP from Hazen & Sawyer in the amount of \$1,164,106.00.
  - Fee Increase for the Relocation of Utilities on Rossview Road from TTL, Inc. (formally DBS & Associates) in the amount of \$50,427.28 for a total cost of \$241,953.59
5. Sale of surplus property on GovDeals.com for the months of November and December 2020 - \$4,185.00. Camille Thomas (attached)
6. Department Reports – Mark Riggins (attached)

### **VI. COMMITTEE ACTION REQUIRED**

### **VII. CITY COUNCIL ACTION REQUIRED**

### **VIII. ADJOURNMENT**

### **IX. PUBLIC COMMENTS (5 minutes each)**



## GAS & WATER COMMITTEE November 19, 2020

### MINUTES

#### CALL TO ORDER

A meeting of the City of Clarksville Gas & Water Committee was called to order by Councilwoman Valerie Guzman Thursday, November 19, 2020, at 3:46 p.m. This meeting was conducted via Google Meets.

#### ATTENDANCE

The following were also connected to the meet:

Councilman Ron Erb, Councilman Gary Norris, Mark Riggins, Fred Klein, Camille Thomas, Stephanie Fox, and Mandy Phillips were also connected to the meet.

#### APPROVAL OF ELECTRONIC MEETING

*In order to comply with the technical aspects of the Governor's Executive Order regarding holding open meetings in a forum other than in the open and in public, the Gas & Water Committee determines that meeting electronically is necessary to protect the health, safety, and welfare of its citizens due to the COVID-19 outbreak.*

Councilman Ron Erb made a motion to approve the electronic meeting, Councilman Gary Norris seconded it, and the motion passed unanimously.

#### ADOPTIONS OF MINUTES

Councilman Ron Erb made a motion to approve the minutes of the August 20, 2020, September 17, 2020, and October 22, 2020 committee meetings, Councilman Gary Norris seconded it, and the motion passed unanimously.

## DEPARTMENT REPORTS

Bad Debt was reported by Fred Klein by explaining the write-off report for the month of October 2020.

Fred Klein also reported the Financials for the month of October 2020.

Camille Thomas reported the Bid-Summary for the month.

Camille Thomas also reported the following Professional Services for the month:

- Ringgold Road Equalization, Ringgold Creek Force Main and the Sherwood Forest Lift Station Improvements & Force Main from AECOM Technical Services, Inc. in the total amount of \$2,640,600.00.

Sale of surplus property on GovDeals.com for the months of September and October 2020 totaled \$2,985.00.

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

## COMMITTEE ACTION REQUIRED

N/A

## CITY COUNCIL ACTION REQUIRED

N/A

## ADJOURNMENT

The meeting was adjourned at 4:08 p.m.

# 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-20	\$ 13,136.12	103	\$ 127.54	\$ 4,109.73	\$ 15,343.37	85	\$ 180.51
Feb-20	\$ 8,080.67	75	\$ 107.74	\$ 4,394.14	\$ 8,397.22	71	\$ 118.27
Mar-20	\$ -			\$ 4,378.79	\$ 10,755.11	72	\$ 149.38
Apr-20	\$ 24,150.83	165	\$ 146.37	\$ 4,076.06	\$ 8,402.79	100	\$ 84.03
May-20	\$ 10,665.92	75	\$ 142.21	\$ 5,337.53	\$ 4,984.85	49	\$ 101.73
Jun-20	\$ 5,511.01	59	\$ 93.41	\$ 5,349.91	\$ 6,391.85	53	\$ 120.60
Jul-20	\$ 3,583.19	43	\$ 83.33	\$ 4,172.42	\$ 23,920.03	101	\$ 236.83
Aug-20	\$ 5,806.25	46	\$ 126.22	\$ 5,853.15	\$ 17,057.35	88	\$ 193.83
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
	\$ 151,171.91	1030	\$ 146.77	\$ 52,298.13	\$ 130,257.94	877	\$ 148.53

34.60%

**CGW Water Department  
December, 2020**

	Actual	Month Budget	Fav/(Unfav)	Actual	Year to Date Budget	Fav/(Unfav)
Sales to Customers	1,831,772	1,916,458	(84,686)	11,691,752	11,498,750	193,002
Penalties	35,017	27,500	7,517	164,556	165,000	(444)
Other Income	311,012	243,958	67,054	1,851,128	1,463,750	387,378
<b>Gross Revenue</b>	<b>2,177,801</b>	<b>2,187,917</b>	<b>(10,115)</b>	<b>13,707,436</b>	<b>13,127,500</b>	<b>579,936</b>
Water Plant 1	359,687	372,726	13,039	1,986,237	2,236,356	250,119
Water Plant 2	-	-	-	1,200	-	(1,200)
Water Transmission	531,755	464,855	(66,900)	2,655,501	2,789,132	133,631
Water Administration	31,527	26,030	(5,497)	185,631	156,182	(29,449)
Customer Service	386,166	263,487	(122,679)	1,939,306	1,580,922	(358,384)
Accounting	50,996	51,704	708	292,525	310,222	17,697
Engineering	137,894	119,276	(18,617)	635,885	715,658	79,773
Admin & General	61,035	71,049	10,014	375,098	426,296	51,198
Other Expenses	21,439	12,083	(9,356)	96,282	72,500	(23,782)
Depreciation	520,114	541,667	21,553	3,060,637	3,250,000	189,363
<b>Total Operating Expenses</b>	<b>2,100,612</b>	<b>1,922,878</b>	<b>(177,734)</b>	<b>11,228,302</b>	<b>11,537,267</b>	<b>308,965</b>
<b>Income from Operations</b>	<b>77,189</b>	<b>265,039</b>	<b>(187,850)</b>	<b>2,479,135</b>	<b>1,590,234</b>	<b>888,901</b>
Interest Income	5,721	36,500	(30,779)	43,327	219,000	(175,673)
Other Income (Expense)	1,371	1,667	(295)	3,823	10,000	(6,177)
Interest Expense	(78,621)	(78,981)	360	(472,390)	(473,888)	1,497
Debt Amortization Income	18,124	18,120	4	108,742	108,718	25
PILOT	(82,672)	(82,672)	(0)	(496,034)	(496,035)	0
<b>Total Other Income (Expense)</b>	<b>(136,078)</b>	<b>(105,367)</b>	<b>(30,710)</b>	<b>(812,533)</b>	<b>(632,205)</b>	<b>(180,328)</b>
<b>Total Income / (Loss)</b>	<b>(58,889)</b>	<b>159,672</b>	<b>(218,560)</b>	<b>1,666,602</b>	<b>958,029</b>	<b>708,573</b>
Capital Spend	321,384	1,126,000	804,616	2,966,316	6,820,000	3,853,684
Contributed Capital - Cash	-	-	-	-	-	-
Contributed Capital - Non-Cash	7,022,827	1,000,000	6,022,827	7,022,827	6,000,000	1,022,827

**CGW Wastewater Department**  
**December, 2020**

	Actual	Month Budget	Fav/(Unfav)	Actual	Year to Date Budget	Fav/(Unfav)
Sales to Customers	3,432,955	3,330,250	102,705	20,488,986	19,981,500	507,486
Penalties	57,860	50,000	7,860	285,530	300,000	(14,470)
Other Income	439,967	235,725	204,242	2,626,366	1,414,350	1,212,016
<b>Gross Revenue</b>	<b>3,930,782</b>	<b>3,615,975</b>	<b>314,807</b>	<b>23,400,882</b>	<b>21,695,850</b>	<b>1,705,032</b>
Wastewater Plant	421,610	442,601	20,991	2,236,694	2,655,608	418,914
Wastewater Collection	683,710	558,047	(125,663)	3,139,512	3,348,280	208,768
Wastewater Administration	65,561	34,932	(30,629)	296,402	209,592	(86,811)
Customer Service	236,187	167,995	(68,193)	1,036,466	1,007,969	(28,497)
Accounting	53,540	56,662	3,122	305,719	339,970	34,251
Engineering	165,988	133,700	(32,288)	763,570	802,198	38,627
Admin & General	61,271	62,871	1,600	375,044	377,225	2,181
Other Expenses	21,439	12,083	(9,356)	96,282	72,500	(23,782)
Depreciation	979,821	1,033,333	53,512	5,789,793	6,200,000	410,207
<b>Total Operating Expenses</b>	<b>2,689,127</b>	<b>2,502,223</b>	<b>(186,904)</b>	<b>14,039,481</b>	<b>15,013,340</b>	<b>973,859</b>
<b>Income from Operations</b>	<b>1,241,655</b>	<b>1,113,752</b>	<b>127,903</b>	<b>9,361,401</b>	<b>6,682,510</b>	<b>2,678,891</b>
Interest Income	7,763	32,083	(24,320)	57,505	192,500	(134,995)
Other Income (Expense)	936,106	667	935,440	938,373	4,000	934,373
Interest Expense	(540,477)	(563,934)	23,457	(3,253,257)	(3,383,605)	130,348
Debt Amortization Income	103,446	103,446	(0)	620,675	620,676	(0)
PILOT	(162,616)	(162,616)	-	(975,698)	(975,698)	-
<b>Total Other Income (Expense)</b>	<b>344,222</b>	<b>(590,355)</b>	<b>934,576</b>	<b>(2,612,402)</b>	<b>(3,542,127)</b>	<b>929,725</b>
<b>Total Income / (Loss)</b>	<b>1,585,876</b>	<b>523,397</b>	<b>1,062,479</b>	<b>6,748,999</b>	<b>3,140,383</b>	<b>3,608,616</b>
<b>Capital Spend</b>	<b>619,054</b>	<b>1,781,000</b>	<b>1,161,946</b>	<b>5,271,482</b>	<b>11,808,000</b>	<b>6,536,518</b>
<b>Contributed Capital - Cash</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Contributed Capital - Non-Cash</b>	<b>6,994,021</b>	<b>833,333</b>	<b>6,160,687</b>	<b>6,994,021</b>	<b>5,000,000</b>	<b>1,994,021</b>



**CGW Gas Department**  
**December, 2020**

	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	2,271,354	2,223,756	47,598	8,436,550	9,193,054	(756,504)
Penalties	(75,906)	16,667	(92,572)	(43,784)	100,000	(143,784)
Other Income	105,943	99,674	6,269	648,136	598,046	50,090
<b>Gross Revenue</b>	<b>2,301,392</b>	<b>2,340,097</b>	<b>(38,705)</b>	<b>9,040,902</b>	<b>9,891,100</b>	<b>(850,197)</b>
Cost of Gas	1,820,522	1,662,629	(157,893)	5,364,282	5,384,360	20,078
Gas Distribution	292,346	236,999	(55,347)	1,373,493	1,421,993	48,500
Gas Administration	205,320	210,049	4,729	992,407	1,260,297	267,889
Ft. Campbell Operations	51,574	41,774	(9,800)	294,176	250,644	(43,532)
Customer Service	131,420	100,534	(30,886)	626,281	603,206	(23,076)
Accounting	(132,119)	50,619	182,738	185,913	303,716	117,802
Engineering	69,201	59,795	(9,406)	289,877	358,769	68,892
Admin & General	60,937	58,527	(2,411)	374,115	351,161	(22,955)
Other Expenses	19,590	10,417	(9,174)	88,942	62,500	(26,442)
Depreciation	154,018	191,667	37,649	921,019	1,150,000	228,981
<b>Total Operating Expenses</b>	<b>2,672,809</b>	<b>2,623,010</b>	<b>(49,800)</b>	<b>10,510,505</b>	<b>11,146,644</b>	<b>636,138</b>
<b>Income from Operations</b>	<b>(371,418)</b>	<b>(282,913)</b>	<b>(88,505)</b>	<b>(1,469,603)</b>	<b>(1,255,544)</b>	<b>(214,059)</b>
Interest Income	5,422	32,500	(27,078)	39,390	195,000	(155,610)
Other Income (Expense)	727	2,083	(1,356)	2,994	12,500	(9,506)
Interest Expense	(16,278)	(16,051)	(226)	(97,666)	(96,309)	(1,357)
Debt Amortization Income	3,982	3,982	-	23,889	23,889	0
PILOT	(57,099)	(57,099)	-	(342,593)	(342,593)	-
<b>Total Other Income (Expense)</b>	<b>(63,246)</b>	<b>(34,585)</b>	<b>(28,661)</b>	<b>(373,986)</b>	<b>(207,513)</b>	<b>(166,473)</b>
<b>Total Income / (Loss)</b>	<b>(434,663)</b>	<b>(317,498)</b>	<b>(117,165)</b>	<b>(1,843,589)</b>	<b>(1,463,057)</b>	<b>(380,532)</b>
<b>Capital Spend</b>	<b>39,325</b>	<b>622,000</b>	<b>582,675</b>	<b>1,392,618</b>	<b>3,941,000</b>	<b>2,548,382</b>
<b>Contributed Capital - Cash</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>35,169</b>	<b>-</b>	<b>35,169</b>
<b>Contributed Capital - Non-Cash</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,100,000</b>	<b>(1,100,000)</b>

## FY 2021 Debt Coverage

December, 2020

YTD Net Revenue through

Fiscal Period

6

### Actual

System Gross Revenue	\$	46,149,221
System Operating Expenses		35,778,288
		<hr/> 10,370,933
Add: Depreciation Expense		9,771,448
Other Revenue (Expense)		1,085,411
Net Revenues	\$	<hr/> 21,227,792

<b>Debt Coverage Ratio</b>	<b>2.10</b>
<b>Debt Coverage Ratio Goal</b>	<b>1.70</b>
<i>FY 2020 Coverage Ratio</i>	<i>2.09</i>
<i>FY 2019 Coverage Ratio</i>	<i>2.12</i>

**>2.00 = Aaa rating**

**1.70-2.00 = Aa rating**

## Debt to Operation Revenue Ratio

December, 2020

### FY 2021 Budget

Total Debt	\$	177,406,199
Operating Revenue	\$	92,298,441
<b>Debt/Operating Revenue</b>		<b>1.92</b>

### FY 2020 Budget

Total Debt	\$	189,626,801
Operating Revenue	\$	92,298,441
<b>Debt/Operating Revenue</b>		<b>2.05</b>

### FY 2019 Actual

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

### FY 2018 Actual

Total Debt	\$	237,996,422
Operating Revenue	\$	90,487,961
<b>Debt/Operating Revenue</b>		<b>2.63</b>

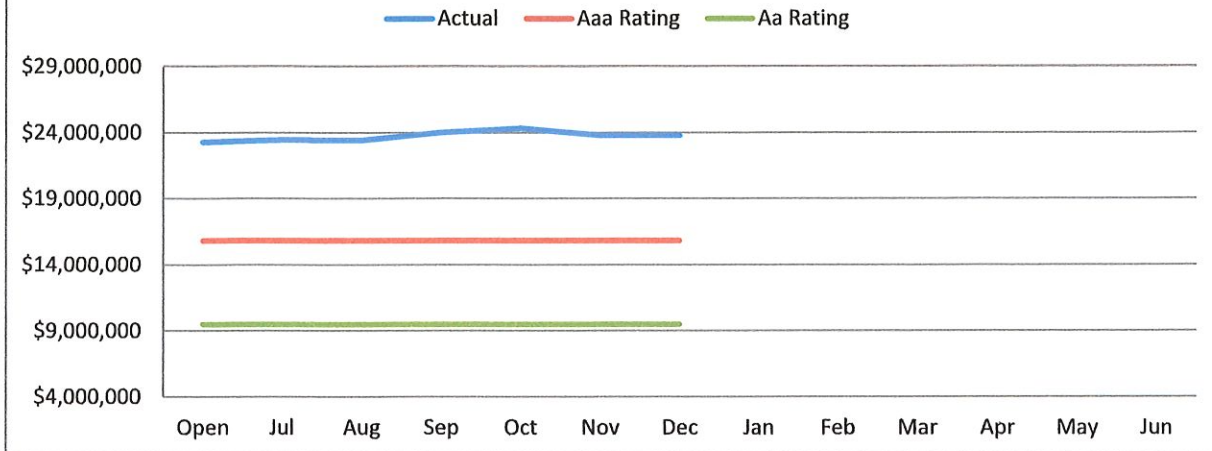
**<2.00 = Aaa**

**2.00 - 4.00 = Aa**

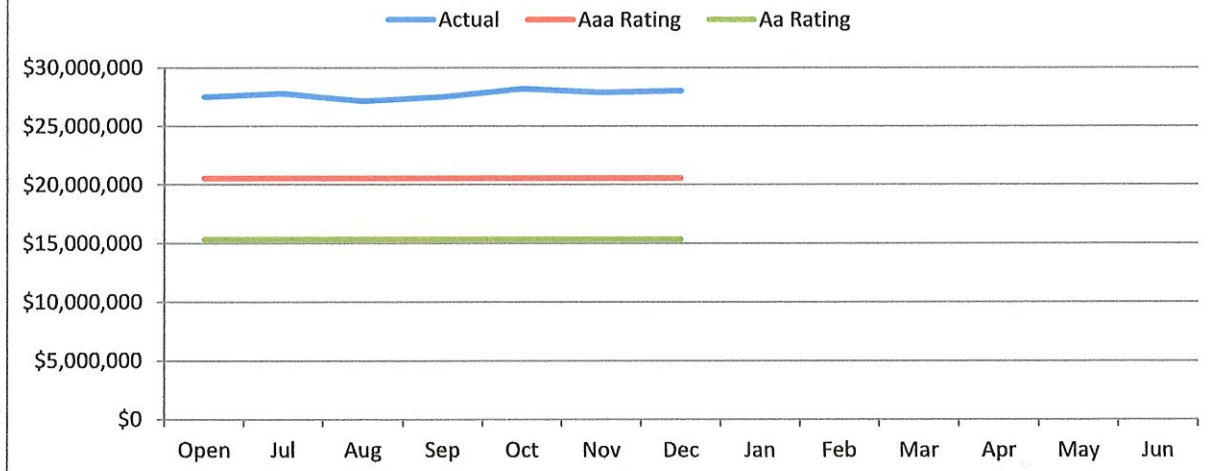


## Clarksville Gas & Water FY 2021

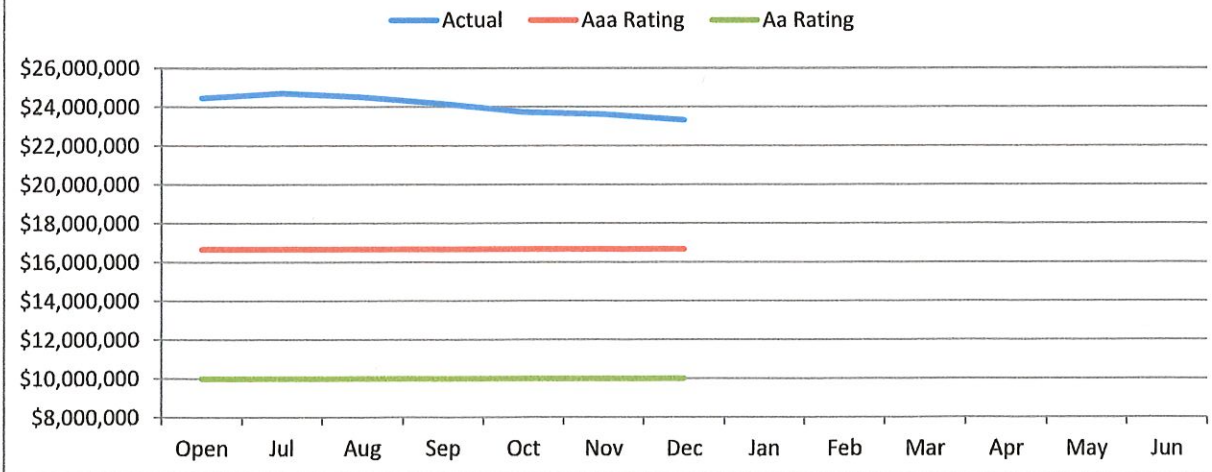
### FY 2021 Available Cash - Water



### FY 2021 Available Cash - Wastewater



### FY 2021 Available Cash - Gas



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

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

<b><u>BID #</u></b>	<b><u>DESCRIPTION</u></b>	<b><u>AWARDED TO</u></b>	<b><u>AMOUNT</u></b>
4117	WWTP Primary Building & Effluent Pump Station Modifications	W & O Construction Company	\$1,311,000.00

**STATE CONTRACT PURCHASE:**

1. 2021 Ford F-150 Ex. Cab. 4X4 S-Bed from Lonnie Cobb Ford of Henderson.

**Bid 4117-WWTP Primary Building & Effluent Pump Station Modifications**

W & O Construction Company	\$1,311,000.00*	
Cumberland Valley Constructors	\$1,451,358.00	
J Cumby Constructors	\$1,591,000.00	
Crowder Construction	\$1,752,000.00	
Gregory Construction	No Response	
English Mountain Construction	No Response	
Appalachian Pipeline Contractors, LLP	No Response	
B. W. Hobson Construction	No Response	
Boan Contracting Co, Inc.	No Response	
Bobby Luttrell and Sons, LLC	No Response	
Byard Construction	No Response	Local
C. J. Hughes	No Response	
Cimarron Underground	No Response	
Civil Contractors, LLC	No Response	
Classic City Mechanical	No Response	
Cleary Construction	No Response	
Conrad Construction Company	No Response	
Dallas Dean, Inc.	No Response	
David Dickson	No Response	
Distribution Construction	No Response	
DM Services	No Response	
Double D Pipeline Services, Inc.	No Response	
Dynamic Construction	No Response	
Electricom, LLC	No Response	
Envision Contractors	No Response	
Equix Energy Services, LLC	No Response	
Fisher Contracting Company	No Response	
Garney Construction	No Response	
Glynn/s Demolition & Excavating	No Response	

Goodrich Construction Co, LLC	No Response	Local
Alberci Constructors, Inc.	No Response	
Brasfield & Gorrie	No Response	
Reynolds Construction	No Response	
Rose Construction	No Response	
SEPM Construction Maintenance, LLC	No Response	
Southerland Construction, LLC	No Response	
Thalle Construction Co	No Response	
The Whiting-Turner Contracting Com	No Response	
Reed Construction LLC	No Response	
Peed Brothers, Inc.	No Response	
HDR Engineering	No Response	
HDR Construction Control Corp.	No Response	
Haren Construction Co Inc.	No Response	
Hawkins & Price	No Response	
Hayes Utility Contractor	No Response	
Highways Inc.	No Response	
Hiwassee Construction	No Response	
Hodges Group	No Response	
Holloman Corporation	No Response	
J.F. Construction Services, LLC	No Response	
J.B. Gibbs & Sons Construction	No Response	
James N Bush Construction, Inc.	No Response	
Jeff Shepherd Construction	No Response	Local
KCL Construction, LLC	No Response	
King Pipeline & Utility Co, Inc.	No Response	
Lancaster Pipe	No Response	
LTS Construction	No Response	
Mark Rowe Construction (MRC		
Underground Utilities, LLC)	No Response	
Martin Contracting	No Response	
Meadows Construction	No Response	Local
Means Backhoe Service	No Response	
MG Dyess, Inc.	No Response	
Michels Corporation-Pipeline		
Construction Operators	No Response	
Mid-South Utility	No Response	
Moore Construction Co, Inc.	No Response	Local
Morris Wall Construction Co, Inc.	No Response	Local
Moss Welding & Piping	No Response	
MTS Construction	No Response	
Natural Gas Piping	No Response	
Norris Brothers Excavating	No Response	
Wolseley Industrial Group	No Response	
William Construction	No Response	
Western Construction, LLC	No Response	
Weaver, LLC	No Response	
W. Rogers Company	No Response	
PL Mechanical	No Response	

Parchman Construction Co	No Response	Local
Pernell Excavating	No Response	
Pinnacle Inc.	No Response	
Pipeline Construction	No Response	
PL-Enerserv	No Response	
Pride Concrete, LLC	No Response	Local
Pride Construction	No Response	
Primoris	No Response	
Progressive Pipeline	No Response	
R&R Piping	No Response	
R. Lafferty & Sons, LLC	No Response	Local
R. Roese	No Response	
Rast Construction	No Response	
Revell Construction	No Response	
Ronald Franks Construction Co, LLC	No Response	
SAK Construction, LLC	No Response	
Schmid Pipeline Construction, Inc.	No Response	
Scott & Ritter Inc.	No Response	
SDT Contractors	No Response	
Speegle	No Response	
Standard Maintenance Co	No Response	
Strike	No Response	
Summit Constructors, Inc.	No Response	
T.J. Construction Inc.	No Response	
Taylor Construction Inc.	No Response	
Team Construction, LLC	No Response	
Triple S Contracting	No Response	Local
Tri-State Utility Contractors	No Response	
Twin States Utilities & Excavating	No Response	

---

\*Department Recommendation

## REQUEST FOR PROFESSIONAL SERVICE

### 1. SELECTION OF FIRM

<b>PROJECT NAME AND SCOPE OF WORK:</b>	<p>WWTP Thermal Dryer (TO #4 - MSA 2019) – The project comprises design and preparation of construction plans and specifications for new thermal dryer equipment and related accessories, including modification to cake conveyance, new wet cake storage bin with dryer feed pumps, odor control equipment and all civil, mechanical, structural, electrical and I&amp;C integration work to support the thermal dryer system. Hazen will provide bidding and limited construction phase services.</p> <p>Term: Design phase is estimated at approximately 14 months with an estimated three-month bid phase and approximately 20-month construction phase.</p>
<b>NAME OF FIRM:</b>	Hazen and Sawyer, P.C. (Hazen)
<b>QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:</b>	<p>This firm is a qualified and licensed professional engineering firm specializing in Water and Wastewater Municipal projects. Hazen provides a broad range of services and is readily available to assist the City. Hazen has qualified staff including seasoned, licensed professional engineers with extensive technical experience relating to municipal infrastructure. In addition, Hazen has existing knowledge of Clarksville's system assets, operations and staff.</p>
<b>YEARS OF EXPERIENCE:</b>	Since 1951
<b>SIMILAR PROJECTS PERFORMED FOR THE CITY:</b>	<ol style="list-style-type: none"> <li>1. Wastewater Treatment Plant (WWTP) Improvements, including evaluation, design and construction services;</li> <li>2. WWTP Solids Treatment and Handling Evaluation;</li> <li>3. Comprehensive Assessment of the Collection System;</li> <li>4. Northwest Sanitary Sewer Basin Preliminary Engineering Report;</li> <li>5. Wet Weather Planning;</li> <li>6. Valleybrook Park Equalization Tank;</li> <li>7. Development of Water Distribution System Hydraulic Model;</li> <li>8. Miscellaneous Engineering Services.</li> <li>9. Misc. WWTP Facility Improvements</li> </ol>
<b>SIMILAR PROJECTS PERFORMED ELSEWHERE:</b>	<ol style="list-style-type: none"> <li>1. Hazen has provided a broad range of various engineering services to its clients since 1951. Highlights of recent, similar projects include:</li> <li>2. Brentwood Sewer Master Plan and Modeling – Brentwood, TN</li> <li>3. Moccasin Bend WWTP Influent Sewer Characterization – Chattanooga, TN</li> <li>4. Lower Brush Creek Interceptor Modeling and Design – Johnson City, TN</li> <li>5. West Kingsport and Pendragon PS Modeling and Design – Kingsport, TN</li> <li>6. West Park PS and EQ Storage Planning and Design – Nashville, TN</li> <li>7. Central WWTP 10-MGD Equalization Tank, Nashville, TN;</li> <li>8. Town Branch WWTP 22-MGD, Lexington, KY;</li> <li>9. Lexington &amp; Payne CSO Basin 13.7, Louisville, KY.</li> </ol>
<b>OTHER QUALIFICATIONS:</b>	<p>Hazen has talented professional staff dedicated to successful completion of its projects. A good working relationship exists with key members of the firm. Hazen has satisfactorily provided water and</p>

REQUEST FOR PROFESSIONAL SERVICE  
 WWTP Thermal Dryer (TO #4 - MSA 2019)  
 Hazen and Sawyer, P.C.

Page 2

	wastewater related services to CGW and is familiar with CGW's infrastructure.
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 Brian Shelton
DEPARTMENT WHERE FUNDS ARE BUDGETED:	Clarksville Gas & Water Department

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

10-04-2020  
 DATE

SIGNATURES OF OTHERS INVOLVED IN SELECTION

10-5-2020  
 DATE

SIGNATURE OF PURCHASING DIRECTOR

10-7-20  
 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):	\$ 1,164,106.00
--	-----------------

Acknowledgement of cost estimate received:

SIGNATURE OF DEPARTMENT HEAD/DESIGNEE

01-08-2021  
 DATE

SIGNATURE OF PURCHASING DIRECTOR

1-12-21  
 DATE

SIGNATURE OF CHIEF FINANCIAL OFFICER

1-8-2021  
 DATE



# REQUEST FOR PROFESSIONAL SERVICE – FEE INCREASE NOTIFICATION

## 1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	<p><b>Relocation of Utilities for the City of Clarksville Street Department's Road Widening and Realignment of Rossvie Road</b> (TDOT Project No. 63LPLM-F3-030). Consultant engineering services comprise preparation of gas, water and sewer relocation plans as well as construction documents associated with the widening/realignment of Rossvie Road starting West of I-24 to Dunbar Cave Road. The project includes relocation of water, sewer and natural gas utility lines alongside approximately 4,331' of roadway improvements along Rossvie Road, 3,600' of roadway improvements along Dunbar Cave Road and 200' of roadway improvements along Cardinal Lane.</p> <p>Change Order #1 served to incorporate services associated with gas utilities (original contract scope included water and sewer utility relocation only)</p> <p>Change Order #2 served to incorporate easement negotiation services as well as design of a high pressure gas line and additional gravity sewer.</p> <p>Change Order #3 served to include additional easement negotiation services, revisions to waterline, sewer and natural gas designs as well as additional fees for potential design revisions during construction.</p> <p>Change Order #4 serves to include additional design of relocation plans for water, sewer and natural gas utilities at two locations. The first location, at the intersection of Powell Road and Rossvie Road, is necessary because widening of the intersection has been included in the project. The second location, at the AT&amp;T site at the western end of the project, is necessary because a portion of AT&amp;T facilities will remain in place and are in conflict with existing CGW utilities. Easement negotiation and acquisition services by a subconsultant will be utilized for the additional utility relocations.</p>
NAME OF FIRM:	DBS and Associates Engineering (DBS), PO Box 949, Clarksville, TN 37041-0949
QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:	<p>DBS is a local multi-disciplinary engineering and surveying firm in business since 1988, whose staff is familiar with the City's utility infrastructure. DBS is capable and a good value compared with Nashville area engineering firms.</p> <p>Based on a history of working with DBS on a number of design projects, Clarksville Gas and Water's engineering group has a good understanding of the consultant's strengths and believes that the consultant provides a good value for the City of Clarksville. DBS has satisfactorily performed on previous projects.</p>
YEARS OF EXPERIENCE:	Founded in 1988
SIMILAR PROJECTS PERFORMED FOR THE CITY:	<ul style="list-style-type: none"> <li>• TDOT Utility Relocation – Hankook Tire</li> <li>• 41-A Utility Crossings</li> <li>• Oak Street Area Sewer System Improvements</li> <li>• Bellamy Lane Lift Station and Force Main</li> <li>• College Street Combined Sewer Replacement</li> <li>• Hemlock Semiconductor Corp. (Sewer)</li> <li>• New Providence Water Main Improvements</li> <li>• Bristol Park Lift Station</li> <li>• Hazelwood Lift Station Pump Replacement/Upgrade</li> <li>• Industrial Park Force Main</li> </ul>

# REQUEST FOR PROFESSIONAL SERVICE – FEE INCREASE NOTIFICATION

Relocation of Utilities for the City of Clarksville Street Department's Road Widening and Realignment of Rossvie Road

DBS and Associates Engineering

Page 2

SIMILAR PROJECTS PERFORMED ELSEWHERE:	<ul style="list-style-type: none"> <li>• Airgas (HSC) Utilities- Hemlock Semi-Conductor</li> <li>• Hankook Tire Utilities –Industrial Development Board</li> <li>• Chesterfield to I-40 Utility Extension – Private – Metro Nashville Utilities</li> <li>• Wedgewood Ave Utility Extension – Private – Metro Nashville Utilities</li> <li>• Charlotte Ave Utility Extension – Private – Metro Nashville Utilities</li> <li>• Subdivision Utilities: <ul style="list-style-type: none"> <li>o The Woodlands- Ft. Campbell- Actus</li> <li>o Winterset Farms - Private</li> <li>o Stonehurst - Private</li> <li>o Franklin Meadows - Private</li> </ul> </li> </ul>
OTHER QUALIFICATIONS:	<p>DBS has extensive knowledge and experience working with municipalities of all sizes and offers design of water and sewer infrastructure to planning and design documents for grading, drainage and utilities. DBS has completed numerous transportation, industrial, commercial, utility, and residential projects throughout the southeast region.</p> <p>DBS is performing the roadway design for this City of Clarksville Street Department project.</p>
NAMES OF THOSE INVOLVED IN THE SELECTION (MUST BE 2 OR MORE AND MUST HAVE NO CONFLICT OF INTEREST AS PER PURCHASING POLICY):	<p>Garth Branch, PE Tom Heath, PE</p>
DEPARTMENT WHERE FUNDS ARE BUDGETED:	<p>Clarksville Gas &amp; Water Department</p>

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

01-12-2021  
DATE

*Tom Heath*  
SIGNATURES OF OTHERS INVOLVED IN SELECTION

1/12/2021  
DATE

*Carmie Thomas*  
SIGNATURE OF PURCHASING SUPERVISOR

1-15-21  
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%).

REQUEST FOR PROFESSIONAL SERVICE – FEE INCREASE NOTIFICATION

Relocation of Utilities for the City of Clarksville Street Department's Road Widening and Realignment of  
Rossview Road

DBS and Associates Engineering

Page 3

Fee Increase of \$50,427.28 (currently approved fee \$191,526.31)

(Note: Original Contract Amount:	\$ 78,242.42
Change Order No. 1:	\$ 16,932.55
Change Order No. 2:	\$ 63,912.59
Change Order No. 3:	\$ 32,438.75
Change Order No. 4:	\$ 50,427.28
Total Not-to-Exceed Contract Fee:	\$241,953.59)

Acknowledgement of fee increase received:

  
SIGNATURE OF DEPARTMENT HEAD/DESIGNEE


01-12-2021

DATE

  
SIGNATURE OF PURCHASING SUPERVISOR

1-15-21

DATE

  
SIGNATURE OF CHIEF FINANCIAL OFFICER

1-12-2021

DATE



**Clarksville Gas and Water Department, TN**  
**Date range: 01 Nov 2020 - 31 Dec 2020**

<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>
294	BACKHOE BUCKETS FOR SCRAP		Ernest Coots	USD	\$855.00	30 Nov 2020 09:13 PM ET	
295	BACKHOE FORKS		Ben Brogdon	USD	\$575.00	30 Nov 2020 09:20 PM ET	
296	BOX SCRAPER FOR TRACTOR		Ben Brogdon	USD	\$312.00	30 Nov 2020 09:28 PM ET	
297	RAKE FOR TRACTOR		Benjamin Dean	USD	\$320.00	30 Nov 2020 09:30 PM ET	
298	TRAILER WITH VACUUM SYSTEM		Tom Pickney	USD	\$434.00	30 Nov 2020 09:31 PM ET	
299	TRUCK BED RAKE		Tom Pickney	USD	\$52.00	30 Nov 2020 09:34 PM ET	



<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>
300	AIR COMPRESSORS		Mike Davidson	USD	\$475.00	30 Nov 2020 09:36 PM ET	
301	WATER PUMPS		Ernest Coots	USD	\$210.00	30 Nov 2020 09:38 PM ET	
302	TAILGATES		Alora Suggs-Neuner	USD	<del>\$(825.00)</del>	30 Nov 2020 09:55 PM ET	16 Dec 2020 03:57 PM ET
302	TAILGATES		John Horsley	USD	\$900.00	31 Dec 2020 07:55 AM ET	
303	LIGHTED CHRISTMAS TREES		Celena Stewart	USD	\$52.00	11 Dec 2020 09:41 PM ET	
					<b>\$4,185.00</b>		

## Monthly Activity Summary

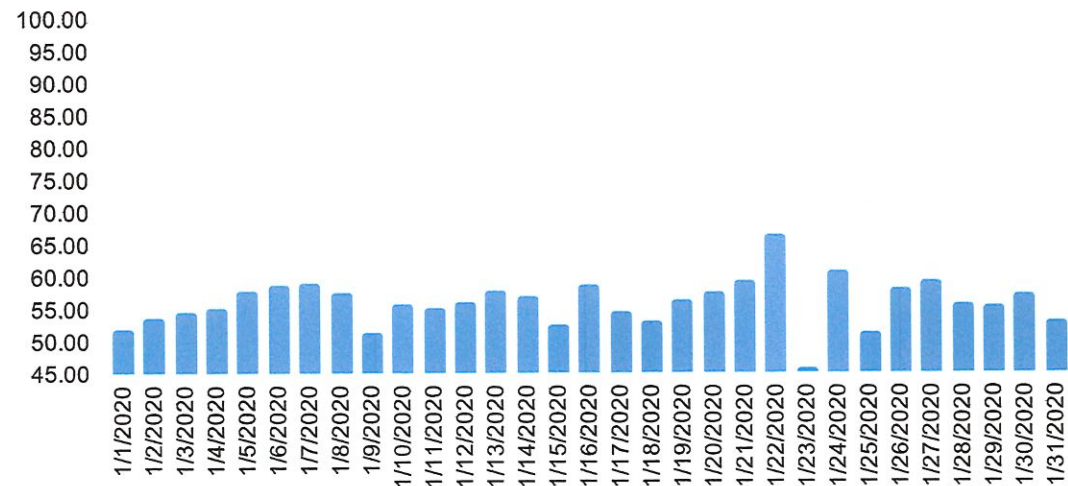
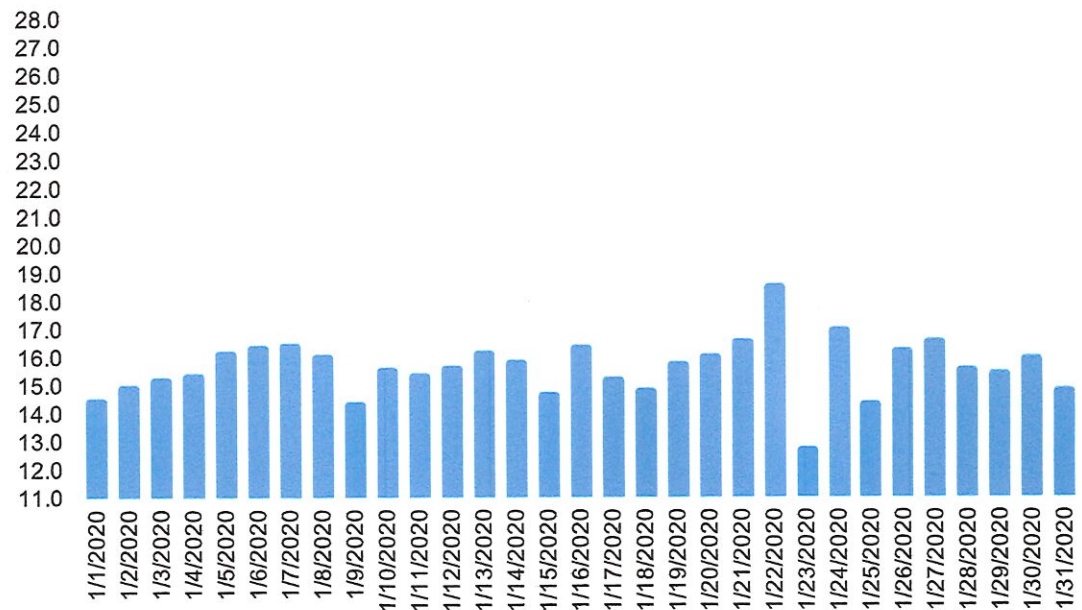
### December 2020

- Assessment Areas:
  - Hazelwood: cost \$2,727,241 / paid \$2,243,750 / remaining \$483,491
  - Oakland: cost \$881,876 / paid \$287,650 / remaining \$594,226
- Gas System distributed 736 million cubic feet and averaged 23.7 million cubic feet per day. That represents approximately 36 percent of the system's capacity.
- Water Plant pumped 533 million gallons of treated water into the system and averaged 17.1 million gallons per day. That represents approximately 61 percent of the plant's capacity.
- Wastewater Plant treated 427 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 12,114 calls and averaged 403 per day. Each call lasted an average of 3 minutes and 02 seconds.
- Service Department completed 5,107 work orders and responded to 243 after hour calls.
- Gas Division installed 59 new services totaling 8,907 feet of pipe and responded to 102 natural gas odor calls.
- Water Division repaired 63 water leaks totaling 1,838 feet of pipe, flushed 104 hydrants, and tested 722 backflow devices.
- Sewer Division made 4 point repairs totaling 157 feet of pipe, cleaned 9,782 feet of pipe, and reported 8 sewer overflows.
- Engineering Department approved 11 utility plans this month and currently has 26 on-going projects.
- Billing Department read 103,107 meters and sent a total of 93,633 bills and notices



DATE	TOTALS IN MGD	DATE	% of Total Capacity Based on 28 MGD
1/1/2020	14.5	1/1/2020	51.79
1/2/2020	15.0	1/2/2020	53.57
1/3/2020	15.3	1/3/2020	54.64
1/4/2020	15.4	1/4/2020	55.00
1/5/2020	16.2	1/5/2020	57.86
1/6/2020	16.4	1/6/2020	58.57
1/7/2020	16.5	1/7/2020	58.93
1/8/2020	16.1	1/8/2020	57.50
1/9/2020	14.4	1/9/2020	51.43
1/10/2020	15.6	1/10/2020	55.71
1/11/2020	15.4	1/11/2020	55.00
1/12/2020	15.7	1/12/2020	56.07
1/13/2020	16.2	1/13/2020	57.86
1/14/2020	15.9	1/14/2020	56.79
1/15/2020	14.7	1/15/2020	52.50
1/16/2020	16.4	1/16/2020	58.57
1/17/2020	15.3	1/17/2020	54.64
1/18/2020	14.9	1/18/2020	53.21
1/19/2020	15.8	1/19/2020	56.43
1/20/2020	16.1	1/20/2020	57.50
1/21/2020	16.6	1/21/2020	59.29
1/22/2020	18.6	1/22/2020	66.43
1/23/2020	12.8	1/23/2020	45.71
1/24/2020	17.0	1/24/2020	60.71
1/25/2020	14.4	1/25/2020	51.43
1/26/2020	16.3	1/26/2020	58.21
1/27/2020	16.6	1/27/2020	59.29
1/28/2020	15.6	1/28/2020	55.71
1/29/2020	15.5	1/29/2020	55.36
1/30/2020	16.0	1/30/2020	57.14
1/31/2020	14.9	1/31/2020	53.21

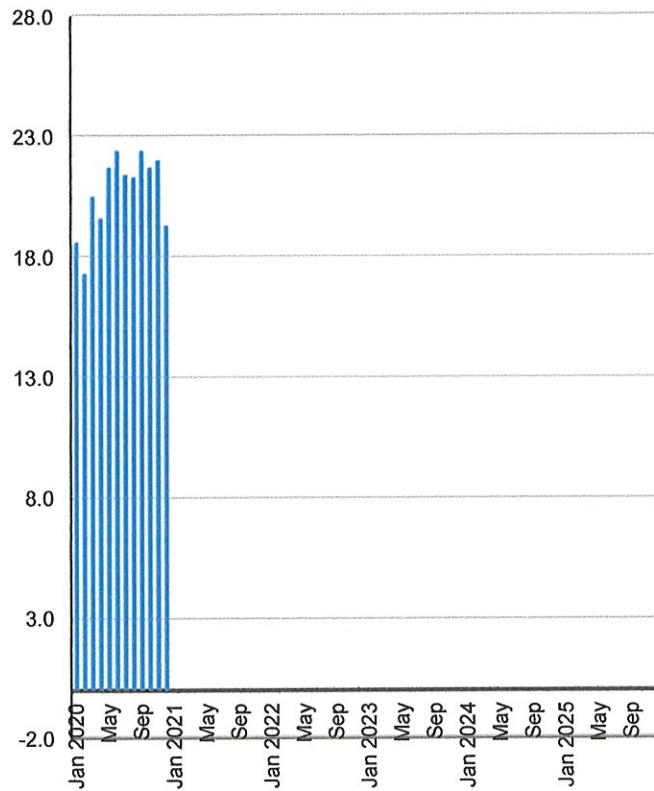
Daily Finished Totals MGD



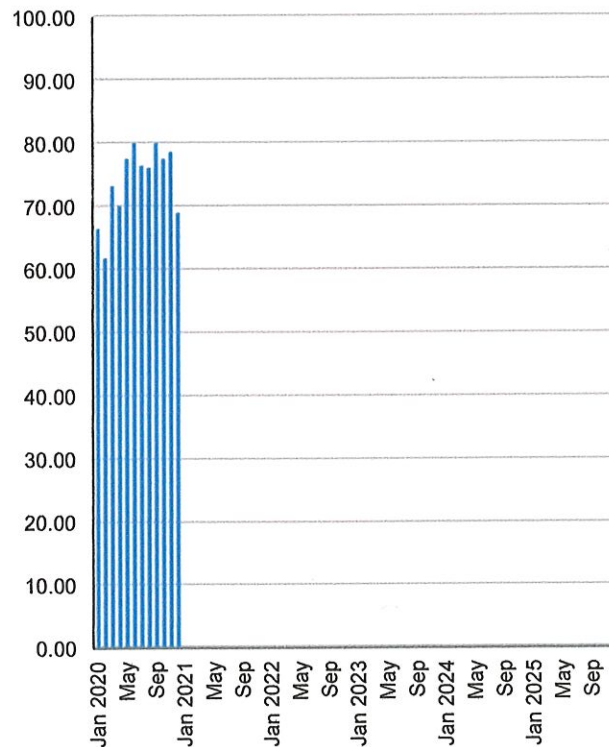
Monthly  
total 486.1

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		Jan 2021	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 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

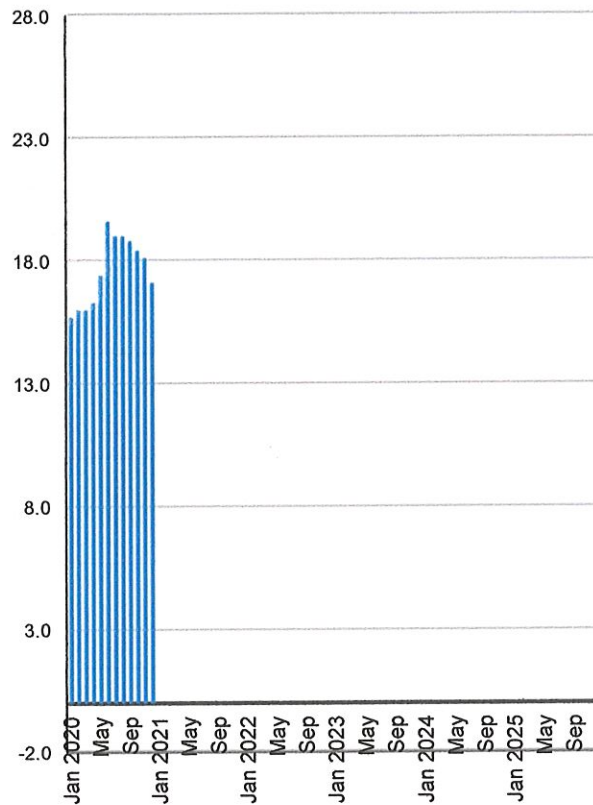


% of Capacity Based on 28 MGD

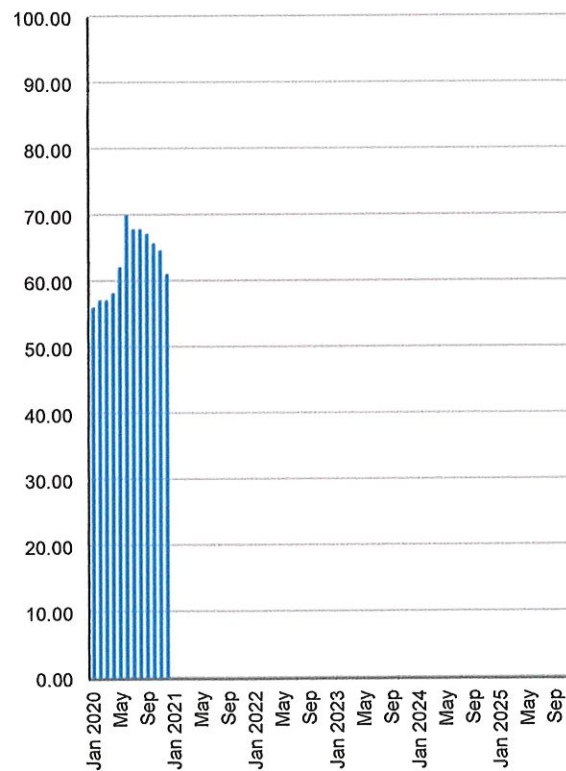


Date	Amt	Date	% of Capacity
Jan 2020	15.7	Jan 2020	56.07
Feb	16.0	Feb	57.14
Mar	16.0	Mar	57.14
Apr	16.3	Apr	58.21
May	17.4	May	62.14
Jun	19.6	Jun	70.00
Jul	19.0	Jul	67.86
Aug	19.0	Aug	67.86
Sep	18.8	Sep	67.14
Oct	18.4	Oct	65.71
Nov	18.1	Nov	64.64
Dec	17.1	Dec	61.07
<hr/>			
Jan 2021		Jan 2021	0.00
Feb		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
<hr/>			
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
<hr/>			
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
<hr/>			
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
<hr/>			
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

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Jan.Total</b>	447498	439351	442038	486007	472836	460298	471709	542638	506802	487760
<b>Aver.</b>	14435	14173	14259	15678	15253	14848	15216	17504	16348	15734
<b>Max</b>	16217	16208	17032	18977	18841	17349	19091	19678	19667	18650
<b>Min</b>	12888	12075	12695	11548	13616	12928	14348	14683	13896	12889
<b>Feb.Total</b>	400455	406621	400164	424980	431331	420563	418523	450030	467133	464620
<b>Aver.</b>	14302	14021	14292	15178	15405	14502	14947	16073	16683	16021
<b>Max</b>	16869	16385	17101	17883	17659	15791	16453	19679	19919	17301
<b>Min</b>	12725	12006	10627	12956	13342	13145	13507	14057	13710	14832
<b>Mar.Total</b>	433918	458407	443135	454724	459349	442712	462775	488427	499251	498790
<b>Aver.</b>	13997	14787	14295	14669	14818	14281	14928	15756	16105	16090
<b>Max</b>	15903	20748	16323	16316	16565	15992	17089	17592	17367	20582
<b>Min</b>	11697	10971	12758	12448	13381	12822	13894	14516	14929	13982
<b>Apr. Total</b>	438167	472623	428845	442935	433816	447902	479548	471571	495905	491542
<b>Aver.</b>	14606	15754	14295	14765	14461	14930	15985	15719	16530	16385
<b>Max</b>	17045	19906	16049	17251	15936	16785	19424	17634	19477	19679
<b>Min</b>	12287	13825	12472	13031	12702	12521	14464	13683	14140	13942
<b>May Total</b>	479606	518962	469221	494881	502787	484014	508673	535251	550304	541075
<b>Aver.</b>	15471	16741	15136	15964	16219	15613	16409	17266	17752	17454
<b>Max</b>	18497	20470	17712	19461	18671	19413	19500	20201	21385	21754
<b>Min</b>	12293	12189	12710	13064	14687	13917	13724	14348	14204	15033
<b>Jun. Total</b>	516150	568593	484809	500530	505360	536245	525289	554301	539759	588876
<b>Aver.</b>	17205	18953	16160	16684	16846	17875	17510	18477	17992	19629
<b>Max</b>	21276	24850	18416	20717	19306	20660	24870	21444	21454	22442
<b>Min</b>	14264	13858	13442	14133	14050	15630	14988	15308	14700	16334
<b>Jul. Total</b>	565235	543355	503624	572496	544235	519632	571991	583935	569783	590407
<b>Aver.</b>	18233	17528	16246	18468	17556	16762	19451	18837	18380	19045
<b>Max</b>	20922	21568	19079	21348	21555	19407	21680	22472	21198	21487
<b>Min</b>	15895	14232	12996	14926	14673	14985	15287	13853	16212	15643
<b>Aug.Total</b>	582647	530106	501432	559563	547126	529644	566204	595380	584399	589997
<b>Aver.</b>	18795	17100	16175	18050	17649	17085	18265	19206	18852	19032
<b>Max</b>	20941	19035	20145	21121	20033	19451	22100	22024	21852	21359
<b>Min</b>	16508	15105	14013	13566	14503	14785	15658	15318	15235	16443
<b>Sep.Total</b>	476653	465948	494484	527302	508650	532147	530559	569190	605709	565475
<b>Aver.</b>	15888	15532	16483	17577	16955	17738	17685	18973	20190	18849
<b>Max</b>	20613	17889	17993	21379	19573	21501	19637	22112	23540	22452
<b>Min</b>	13447	12729	14365	14851	14245	16104	15576	16342	17485	16121
<b>Oct. Total</b>	485550	453395	482230	484925	471463	547410	533123	561681	560395	573348
<b>Aver.</b>	15663	14626	15556	15643	15208	17658	17198	18119	18077	18495
<b>Max</b>	17406	16734	18514	18115	16803	20503	19507	20803	21149	21771
<b>Min</b>	13205	12269	12424	13993	13337	15408	14485	15333	14001	16235
<b>Nov.Total</b>	434396	442808	442786	443208	427852	501075	490630	496859	506448	544277
<b>Aver.</b>	14480	14760	14760	14774	14262	16703	16354	16562	16882	18143
<b>Max</b>	15965	17735	16254	16718	15879	19499	18381	19630	19775	22005
<b>Min</b>	12780	12435	13360	13207	12336	13700	13825	14615	14275	16175
<b>Dec.Total</b>	438600	431342	463552	453064	442384	475697	497194	504637	492948	533119
<b>Aver.</b>	14148	13914	14953	14615	14270	15345	16039	16279	15902	17197
<b>Max</b>	16409	17507	20904	16055	16082	17226	17728	19829	17795	19317
<b>Min</b>	12577	10650	12206	13421	12787	13516	13355	13897	13962	15018
<b>Yr. Total</b>	5698875	5731511	5556320	5844615	5747189	5897339	6056218	6353900	6378836	6469286
<b>Yr. Aver.</b>	15613	15659	15222	16013	15746	16113	16592	17408	17476	17724
<b>Peak Day</b>	21276	24850	20904	21379	21555	21501	24870	22472	23540	22452

Monthly Bypass / Overflow Report										
System:	Wastewater Collection System						County:	Montgomery		
Month:	December		Year	2020				Permit#:	TN 0020656	
System Contact:	Mike Crawford		Title: Public Utility Senior Manager				Phone Number:	931 553-2424		
Type of Overflow	Day	Rain Fall	Location of Bypass/Overflow Nearest Stream	Duration / Time		Gallons	Reason for Bypassing and Remedial Action			
				From:	To:					
U	7		Ringgold RD LS MH# 18275	10:45AM	10:50AM	2,000	repaired valve			
U	9		380 Dover RD LS# 3013	2:30PM	4:00PM	1,500	contractor hit force main, repaired force main, vac'd out ditch			
U	10		2215 Madison st MH# 13886	1:45PM	1:55PM	50	unstopped mainline, vac'd out MH, spread lime			
U	12		Trenton & meriweather LS#231	2:30PM	5:00PM	75,000	contractor hit force main, repaired force main, vac'd out ditch			
T	13		Savannah LS MH# 10661	10:48PM/ 13th	12:48AM/ 14th	6,000	heavy rainfall, station caught up, spread lime clean up debris			
U	14		Micheal DR LS MH# 20230	8:33AM	9:00AM	540	unstopped mainline, spread lime			
U	15		Turner In LS	5:51AM	5:59AM	800	mechanical failure, cleaned up solids, spread lime			
T	31		New Meadowbrook LS MH#6723	4:30AM	9:05AM	82,000	rain event stopped			
Type of Overflow										
U-All Other Occurrences T-Wet Weather Overflows										

# METER READING AND SERVICE DEPARTMENT MONTHLY / YEARLY REPORT

## METER READING

		<u>Meters Read</u>			<u>Accuracy Rate</u>
		<u>Gas</u>	<u>Water</u>	<u>Total</u>	
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%
July	2020	28,976	73,380	102,356	99.93%
June	2020	28,941	73,079	102,020	99.89%
May	2020	28,908	72,850	101,758	99.92%
April	2020	28,897	72,590	101,487	99.93%
March	2020	28,863	72,359	101,222	99.93%
February	2020	28,827	72,153	100,980	99.91%
January	2020	28,778	71,996	100,774	99.89%
December	2019	28,732	71,834	100,566	99.86%
<b>12 Month Total</b>		<b>376,491</b>	<b>948,663</b>	<b>1,325,154</b>	<b>99.90%</b>

## SERVICE DEPARTMENT

		<u>Service Orders</u>	<u>After Hours Calls</u>
December	2020	5107	243
November	2020	4465	291
October	2020	6209	296
September	2020	5630	265
August	2020	5760	296
July	2020	5771	287
June	2020	3471	139
May	2020	3108	178
April	2020	2424	270
March	2020	3804	275
February	2020	4251	416
January	2020	4985	361
December	2019	4467	290
<b>12 Month Total</b>		<b>59,452</b>	<b>3,607</b>