



GAS & WATER COMMITTEE AGENDA

DATE: August 22, 2019

LOCATION: City Hall Conference Room

TIME: 3:45 p.m.

I. CALL TO ORDER

II. ANNOUNCE MEMBERS IN ATTENDANCE (VERIFY QUORUM)

III. ADOPTION OF MINUTES: June 20, 2019 (July 18, 2019 meeting cancelled)

IV. 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 a Sewer Hydraulic Model Update from Hazen & Sawyer in the amount of \$250,000.00.
5. Department Reports – Mark Riggins (attached)

V. COMMITTEE ACTION REQUIRED

VI. CITY COUNCIL ACTION REQUIRED

1. **ORDINANCE __ 2019-20** relative to water tank logos

VII. ADJOURNMENT

VIII. PUBLIC COMMENTS (5 minutes each)



**GAS & WATER COMMITTEE MEETING
MINUTES
June 20, 2019**

City Hall Conference Room
3:45 p.m.

MEMBERS PRESENT

Chairman Valerie Guzman, Ron Erb, Tim Chandler, Gary Norris

MEMBERS ABSENT

David Allen

OTHERS PRESENT

Mark Riggins, Fred Klein, Camille Thomas, Mandy Phillips

The meeting was called to order at 3:51 p.m. by Chairman Valerie Guzman.

Minutes for the March 28, 2019 and April 25, 2019 Committee Meetings were unanimously approved.

Bad Debt was reported by Fred Klein by explaining the write-off report for the month of May 2019.

Fred Klein also reported the Financials for the month of May 2019.

Camille Thomas reported the Bid-Summary for the month.

Camille Thomas also reported the following professional services:

- Design Services for the Red River Bridge Pipeline Relocation from Clark Engineering & Utility Solutions, LLC in the amount of \$49,900.00.
- Design Services for the Highway 41A Gas Pipeline from Clark Engineering & Utility Solutions, LLC in the amount of \$48,000.00.
- Engineering Services for the WWTP Primary Building HVAC Replacement from Hazen & Sawyer in the amount of \$30,000.00.
- Engineering Services for the TDOT Utility Relocation at SR13/US79 from Holiday Drive to Alfred Thun Road from HDR Engineering, Inc. in the amount of \$80,000.00.
- Miscellaneous Easement Services as needed from Croft & Associates, LLC in the amount of \$50,000.00.
- Miscellaneous Engineering Services in Support of Capital Improvement Projects as needed from Hazen & Sawyer in the amount of \$100,000.00.
- Miscellaneous WWTP Facility Improvements from Hazen & Sawyer in the amount of \$255,360.00.
- Sango Water System Improvements from AECOM Technical Services, Inc. in the amount of \$1,200,000.00.

Sale of surplus property on GovDeals.com for the month of April and May 2019 totaling \$1,731.00 was reported by Camille Thomas.

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

ORDINANCE 1-2019-20 Accepting the donation of property for the HSC Water Tank. Tim Chandler made a motion for approval, Ron Erb seconded it, and the same passed unanimously to full council.

ORDINANCE 2-2019-20 Authorizing purchase of property at 111 Cunningham Lane for the City of Clarksville Gas & Water Department North Service Center. Gary Norris made a motion for approval, Ron Erb seconded it, and the same passed unanimously to full council.

ORDINANCE 3-2019-20 Authorizing purchase of property at Fort Campbell Boulevard for Meadowbrook Sewer Pump Station. Ron Erb made a motion for approval, Tim Chandler seconded it, and the same passed unanimously to full council.

Meeting was adjourned at 4:12 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
Aug-18	\$ 6,161.52	66	\$ 93.36	\$ 2,209.74		\$ 26,188.27	99	\$ 264.53
Sep-18	\$ 16,989.37	74	\$ 229.59	\$ 1,539.47		\$ 11,125.46	86	\$ 129.37
Oct-18	\$ 15,415.15	110	\$ 140.14	\$ 2,598.68		\$ 12,750.00	86	\$ 148.26
Nov-18	\$ 12,737.58	108	\$ 117.94	\$ 3,846.09		\$ 6,781.43	72	\$ 94.19
Dec-18	\$ 14,244.50	88	\$ 161.87	\$ 1,186.95		\$ 7,197.40	67	\$ 107.42
Jan-19	\$ 23,713.20	103	\$ 230.23	\$ 3,103.31		\$ 13,023.89	90	\$ 144.71
Feb-19	\$ 11,854.67	72	\$ 164.65	\$ 4,964.59		\$ 6,351.24	60	\$ 105.85
Mar-19	\$ 8,537.75	64	\$ 133.40	\$ 2,435.01		\$ 12,928.83	82	\$ 157.67
Apr-19	\$ 16,200.19	93	\$ 174.20	\$ 3,298.45		\$ 6,624.85	59	\$ 112.29
May-19	\$ 9,301.87	76	\$ 122.39	\$ 2,680.30		\$ 5,418.47	57	\$ 95.06
Jun-19	\$ 11,824.21	83	\$ 142.46	\$ 1,812.71		\$ 15,924.18	69	\$ 230.79
Jul-19	\$ 9,275.71	110	\$ 84.32	\$ 4,262.92		\$ 11,926.77	87	\$ 137.09
	\$ 156,255.72	1047	\$ 149.24	\$ 33,938.22		\$ 136,240.79	914	\$ 149.06
				21.72%				

CGW Water Department
July, 2019

	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	2,034,549	1,854,375	180,174	2,034,549	1,854,375	180,174
Penalties	34,434	27,500	6,934	34,434	27,500	6,934
Other Income	310,425	230,517	79,908	310,425	230,517	79,908
Gross Revenue	2,379,409	2,112,392	267,017	2,379,409	2,112,392	267,017
Water Plant	302,148	323,473	21,325	302,148	323,473	21,325
Water Transmission	293,198	407,259	114,060	293,198	407,259	114,060
Water Administration	23,930	31,377	7,447	23,930	31,377	7,447
Customer Service	315,458	269,016	(46,443)	315,458	269,016	(46,443)
Accounting	66,761	57,747	(9,015)	66,761	57,747	(9,015)
Engineering	100,269	90,868	(9,400)	100,269	90,868	(9,400)
Admin & General	55,259	58,029	2,770	55,259	58,029	2,770
Other Expenses	14,458	11,250	(3,208)	14,458	11,250	(3,208)
Depreciation	488,164	493,500	5,336	488,164	493,500	5,336
Total Operating Expenses	1,659,644	1,742,518	82,874	1,659,644	1,742,518	82,874
Income from Operations	719,765	369,874	349,891	719,765	369,874	349,891
Interest Income	60,584	45,667	14,917	60,584	45,667	14,917
Other Income (Expense)	-	2,500	(2,500)	-	2,500	(2,500)
Interest Expense	(88,568)	(94,691)	6,122	(88,568)	(94,691)	6,122
Debt Amortization Income	18,124	18,145	(22)	18,124	18,145	(22)
PILOT	(83,083)	(83,083)	-	(83,083)	(83,083)	-
Total Other Income (Expense)	(92,944)	(111,462)	18,518	(92,944)	(111,462)	18,518
Total Income / (Loss)	626,821	258,412	368,409	626,821	258,412	368,409
Capital Spend	48,379	909,000	860,621	48,379	909,000	860,621
Contributed Capital - Cash	-	-	-	-	-	-
Contributed Capital - Non-Cash	-	583,333	(583,333)	-	583,333	(583,333)

CGW Wastewater Department
July, 2019

	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	3,183,751	3,226,167	(42,415)	3,183,751	3,226,167	(42,415)
Penalties	58,878	50,000	8,878	58,878	50,000	8,878
Other Income	320,129	227,225	92,904	320,429	227,225	93,204
Gross Revenue	3,562,759	3,503,392	59,367	3,563,059	3,503,392	59,667
Wastewater Plant	382,086	404,954	22,868	382,086	404,954	22,868
Wastewater Collection	452,178	506,154	53,976	452,178	506,154	53,976
Wastewater Administration	47,475	49,220	1,744	47,475	49,220	1,744
Customer Service	195,398	171,671	(23,727)	195,398	171,671	(23,727)
Accounting	69,464	63,764	(5,701)	69,464	63,764	(5,701)
Engineering	111,478	125,096	13,617	111,478	125,096	13,617
Admin & General	55,124	57,929	2,805	55,124	57,929	2,805
Other Expenses	14,520	11,250	(3,270)	14,520	11,250	(3,270)
Depreciation	942,706	1,024,083	81,378	942,706	1,024,083	81,378
Total Operating Expenses	2,270,430	2,414,120	143,690	2,270,430	2,414,120	143,690
Income from Operations	1,292,329	1,089,272	203,057	1,292,629	1,089,272	203,357
Interest Income	50,492	33,333	17,159	50,492	33,333	17,159
Other Income (Expense)	-	500	(500)	-	500	(500)
Interest Expense	(607,227)	(648,162)	40,935	(607,227)	(648,162)	40,935
Debt Amortization Income	103,446	126,849	(23,403)	103,446	126,849	(23,403)
PILOT	(192,752)	(192,752)	0	(192,752)	(192,752)	0
Total Other Income (Expense)	(646,040)	(680,231)	34,191	(646,040)	(680,231)	34,191
Total Income / (Loss)	646,289	409,041	237,248	646,589	409,041	237,548
Capital Spend	164,530	967,000	802,470	164,530	967,000	802,470
Contributed Capital - Cash	-	-	-	-	-	-
Contributed Capital - Non-Cash	-	458,333	(458,333)	0	458,333	(458,333)

CGW Gas Department
July, 2019

	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	1,138,233	1,249,010	(110,777)	1,138,233	1,249,010	(110,777)
Penalties	15,566	10,000	5,566	15,566	10,000	5,566
Other Income	169,213	89,187	80,026	169,213	89,187	80,026
Gross Revenue	1,323,012	1,348,197	(25,185)	1,323,012	1,348,197	(25,185)
Cost of Gas	452,377	582,194	129,817	452,377	582,194	129,817
Gas Distribution	175,348	226,235	50,887	175,348	226,235	50,887
Gas Administration	128,913	195,094	66,181	128,913	195,094	66,181
Ft. Campbell Operations	39,674	37,244	(2,430)	39,674	37,244	(2,430)
Customer Service	117,173	115,640	(1,532)	117,173	115,640	(1,532)
Accounting	(15,481)	55,486	70,967	(15,481)	55,486	70,967
Engineering	41,024	50,981	9,957	41,024	50,981	9,957
Admin & General	54,983	57,872	2,889	54,983	57,872	2,889
Other Expenses	12,536	11,250	(1,286)	12,536	11,250	(1,286)
Depreciation	147,409	178,333	30,925	147,409	178,333	30,925
Total Operating Expenses	1,153,956	1,510,330	356,374	1,153,956	1,510,330	356,374
Income from Operations	169,056	(162,133)	331,189	169,056	(162,133)	331,189
Interest Income	55,321	30,750	24,571	55,321	30,750	24,571
Other Income (Expense)	16,530	500	16,030	16,530	500	16,030
Interest Expense	(17,839)	(19,064)	1,225	(17,839)	(19,064)	1,225
Debt Amortization Income	3,982	3,982	(0)	3,982	3,982	(0)
PILOT	(53,690)	(53,690)	0	(53,690)	(53,690)	0
Total Other Income (Expense)	4,304	(37,523)	41,827	4,304	(37,523)	41,827
Total Income / (Loss)	173,360	(199,656)	373,016	173,360	(199,656)	373,016
Capital Spend	32,187	520,000	487,813	32,187	520,000	487,813
Contributed Capital - Cash	-	-	-	-	-	-

FY 2019 Debt Coverage

July, 2019

YTD Net Revenue through
Fiscal Period

1

Actual

System Gross Revenue	\$ 7,265,479
System Operating Expenses	5,084,030
	2,181,449
Add: Depreciation Expense	1,578,278
Other Revenue (Expense)	182,927
Net Revenues	\$ 3,942,655

Debt Coverage Ratio	2.28
Debt Coverage Ratio Goal	1.70
<i>FY 2018 Coverage Ratio</i>	<i>2.11</i>
<i>FY 2017 Coverage Ratio</i>	<i>2.04</i>

>2.00 = Aaa rating

1.70-2.00 = Aa rating

Debt to Operation Revenue Ratio

July, 2019

FY 2020 Budget

Total Debt	\$ 189,626,801
Operating Revenue	\$ 87,185,753
Debt/Operating Revenue	2.17

FY 2019 Actual

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

FY 2018 Actual

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

FY 2017 Actual

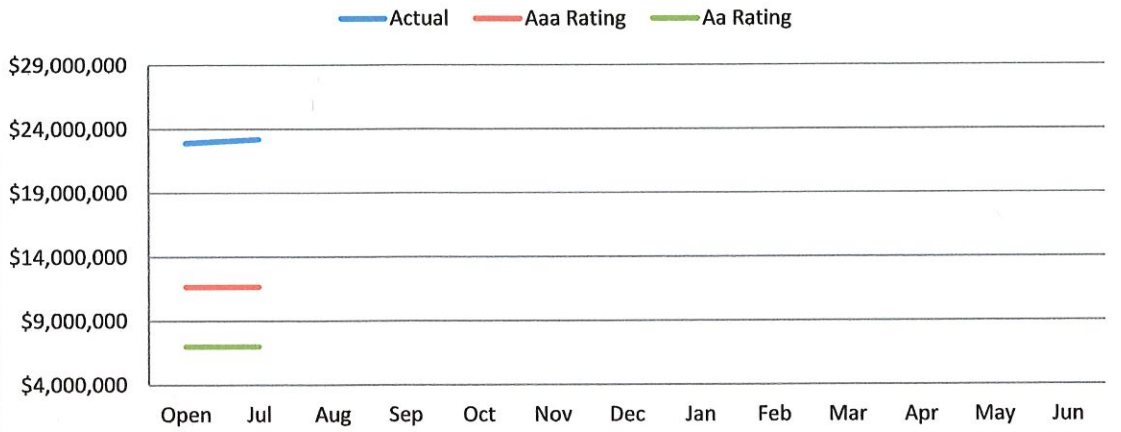
Total Debt	\$ 250,788,679
Operating Revenue	\$ 83,911,143
Debt/Operating Revenue	2.99

<2.00 = Aaa

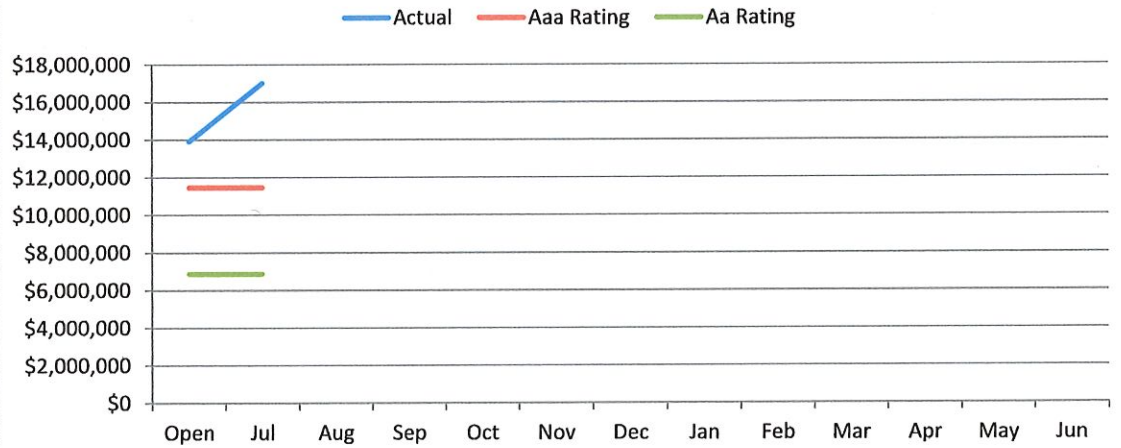
2.00 - 4.00 = Aa

Clarksville Gas & Water FY 2020

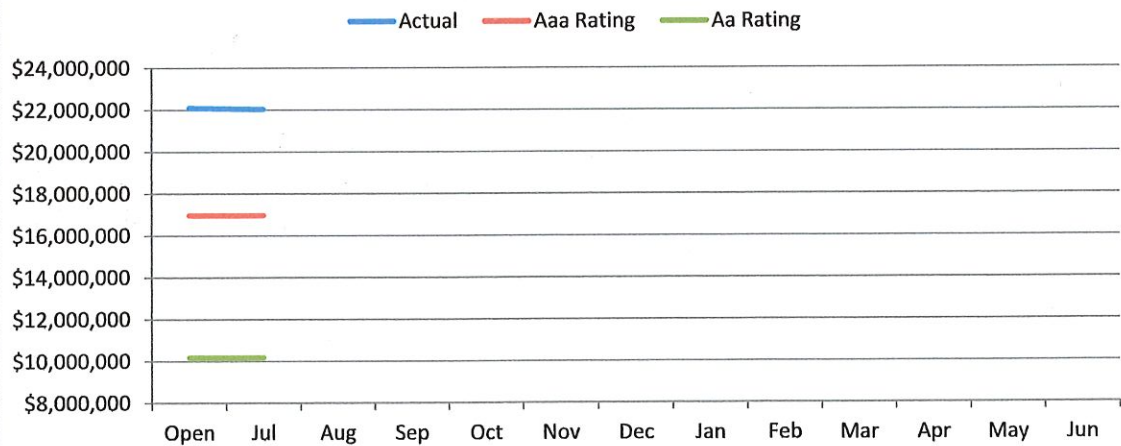
FY 2020 Available Cash - Water



FY 2020 Available Cash - Wastewater



FY 2020 Available Cash - Gas



**GAS & WATER DEPARTMENT
BID SUMMARY
August 22, 2019**

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>
3963	Polyaluminum Hydrochloride	USALCO	\$ 2.60 per gallon
3970	Liquid Structured Linear Polymer	SNF Polydne Inc.	See Below
3979	MB-9 Rhino Meter//Valve Box	Southern Pipe & Supply	\$ 72,160.00

SOLE SOURCE PURCHASES:

1. Future purchases of Godwin pumps, parts and service from Xylem Dewatering Solutions.
2. Future purchases of Omnisite products from MIC Sales, Inc.
3. Future training on Hach equipment form Hach Company.
4. Future purchases of Hach products from Hach Company.
5. Future purchases of Jet/Vac parts and service from Sewer Equipment Company of America.
6. Future purchases of Flygt laboratory water products form EMD Millipore.
7. Future purchases of Roots rotary meters from GE.

STATE CONTRACT PURCHASES:

1. WWTP lab supplies from VWR International in the amount of \$ 21,033.46.
2. Two 2019 Ford F-250 EX. Cab Trucks from Ford of Murfreesboro in the amount of \$ 71,907.00.

Bid # 3963– Polyaluminum Hydrochloride:

USALCO	\$ 2.60 per gallon*
Gulbrandsen Technologies	\$ 2.598 per gallon**
Chem Trade	\$ 2.6085 per gallon
Chemco Industries	No Bid
GEO Specialty Chemicals	No Bid
Brentag Mid-South	No Bid
Univar USA	No Bid
Harcros Chemicals	No Response
American Development Corp.	No Response
Chem Trade	No Response
Source Technologies	No Response

Kemira Water Technologies	No Response
Industrial Chemicals	No Response
Donav Carbon Corp.	No Response
US Peroxide	No Response
Siemens Industry	No Response
MWV Specialty Chemicals	No Response
Allied Universal Corp.	No Response
Shannon Chemical Corp.	No Response
Taylor Chemical Corp.	No Response
Mosaic Corp Nutrition	No Response
Core Chem	No Response
Premier Magnesia	No Response
Chlorine Dioxide	No Response
Solenis	No Response
Vertex Chemical Corp.	No Response
Oxbow Activated Carbon	No Response
Hawkins, Inc.	No Response

** Did not meet specs

Bid # 3970-- Liquid Structure Linear Polymer:

	<u>330+ Gallon Totes</u>	<u>5,000+ Gallon Truckloads</u>
SNF Polydne Inc.	\$ 1.15*	\$ 1.09*
Solenis	\$ 1.35	\$ 1.28
Brenntag Mid-South	No Response	
BASF	No Response	
Kemira Water Technologies	No Response	
Hawkins, Inc.	No Response	

Bid # 3979-- MB-9 Rhino Meter/Valve Box:

Southern Pipe & Supply	\$ 72,160.00*
Ferguson Waterworks	\$ 74,800.00
Hayes Pipe & Supply	\$ 77,000.00
CI Thornburg Co.	\$ 88,000.00
Consolidated Pipe	No Response
Construction Site Services	No Response
G&C Supply Co.	No Response
General Utilities Pipe & Supply	No Response
Core & Main	No Response
Kenny Pipe & Supply	No Response
Macomb Pipe & Supply	No Response
Volunteer Utility Sales	No Response

*Department Recommendation

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	Sewer Hydraulic Model Update and System Evaluation in the Northeast (NE) and Industrial Park (IP) Manifolds – Design services include updating, calibrating and validating the sewer hydraulic model in the NE & IP manifold sewer sheds to account for growth and infrastructure development in the project area. After model validation, system performance will be evaluated and a TM documenting the model update and system evaluation will be prepared. Term: It is anticipated that the services will be provided within ten (10) months.
NAME OF FIRM:	Hazen and Sawyer, P.C. (Hazen)
QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:	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.
YEARS OF EXPERIENCE:	Since 1951
SIMILAR PROJECTS PERFORMED FOR THE CITY:	1. Wastewater Treatment Plant (WWTP) Improvements, including evaluation, design and construction services; 2. WWTP Solids Treatment and Handling Evaluation; 3. Comprehensive Assessment of the Collection System; 4. Northwest Sanitary Sewer Basin Preliminary Engineering Report; 5. Wet Weather Planning; 6. Valleybrook Park Equalization Tank; 7. Development of Water Distribution System Hydraulic Model; 8. Miscellaneous Engineering Services. 9. Misc. WWTP Facility Improvements
SIMILAR PROJECTS PERFORMED ELSEWHERE:	1. Hazen has provided a broad range of various engineering services to its clients since 1951. Highlights of recent, similar projects include: 2. Brentwood Sewer Master Plan and Modeling – Brentwood, TN 3. Moccasin Bend WWTP Influent Sewer Characterization – Chattanooga, TN 4. Lower Brush Creek Interceptor Modeling and Design – Johnson City, TN 5. West Kingsport and Pendragon PS Modeling and Design – Kingsport, TN 6. West Park PS and EQ Storage Planning and Design – Nashville, TN 7. Central WWTP 10-MGD Equalization Tank, Nashville, TN; 8. Town Branch WWTP 22-MGD, Lexington, KY; 9. Lexington & Payne CSO Basin 13.7, Louisville, KY.
OTHER QUALIFICATIONS:	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 wastewater related services to CGW and is familiar with CGW's infrastructure.

REQUEST FOR PROFESSIONAL SERVICE

Sewer Hydraulic Model Update and System Evaluation in the Northeast and Industrial Park Manifolds
 Hazen and Sawyer, P.C.

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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 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

07-30-2019
 DATE

SIGNATURES OF OTHERS INVOLVED IN SELECTION

7/30/19
 DATE

Carmel Thomas
 SIGNATURE OF PURCHASING DIRECTOR

7-31-19
 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):

\$ 250,000.00

Acknowledgment of cost estimate received:

SIGNATURE OF DEPARTMENT HEAD/DESIGNEE

08-12-2019
 DATE

Carmel Thomas
 SIGNATURE OF PURCHASING DIRECTOR

8-12-19
 DATE

SIGNATURE OF CHIEF FINANCIAL OFFICER

8/12/19
 DATE

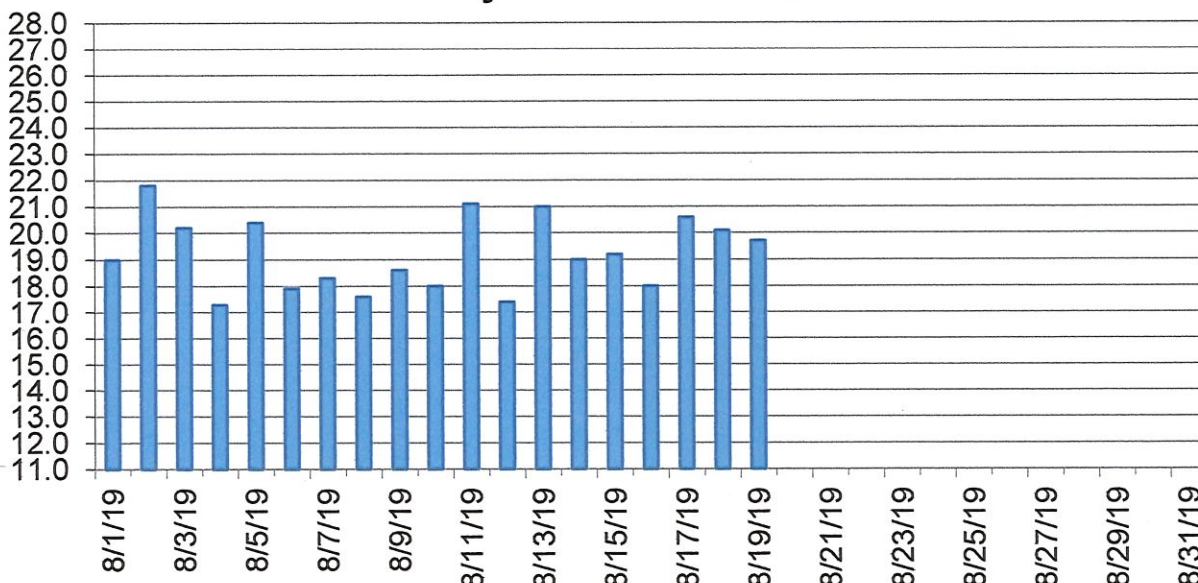
Monthly Activity Summary

July 2019

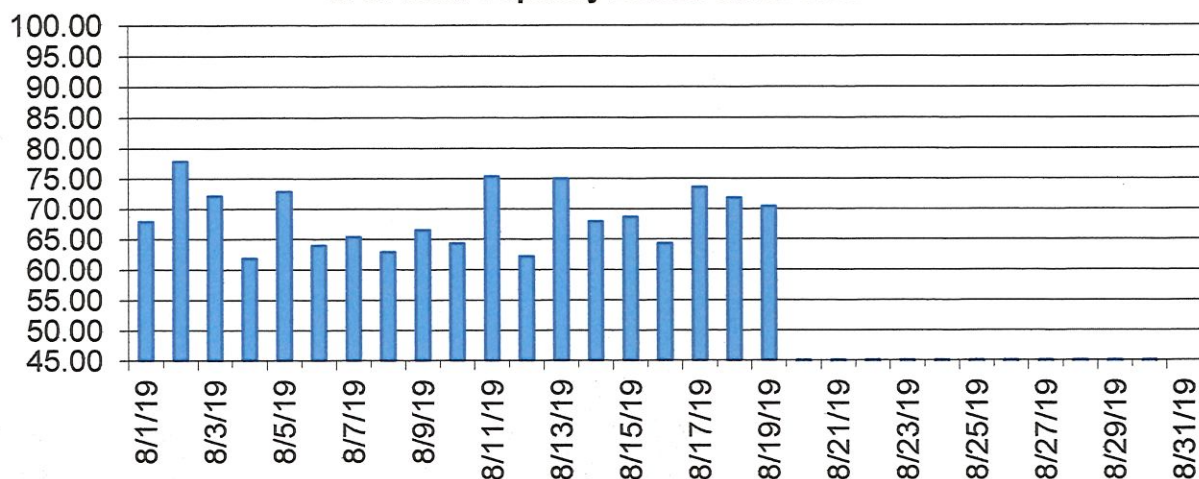
- Gas System distributed 247.2 million cubic feet and averaged 7.9 million cubic feet per day. That represents approximately 12 percent of the system's capacity.
- Water Plant pumped 569 million gallons of treated water into the system and averaged 18.3 million gallons per day. That represents approximately 65 percent of the plant's capacity.
- Wastewater Plant treated 430 million gallons of sewage and averaged 13.8 million gallons per day. That represents approximately 55 percent of the plant's capacity.
- The call center handled 11,769 calls and averaged 577 per day. Each call lasted an average of 2 minutes and 56 seconds.
- Service Department completed 5,244 work orders, responded to 390 after hour calls and read 99,593 meters.
- Gas Division installed 43 new services totaling 2,645 feet of pipe, 14,442 feet of main extensions, and responded to 67 natural gas odor calls.
- Water Division repaired 57 water leaks totaling 1,509 feet of pipe, flushed 531 hydrants, and tested 525 backflow devices.
- Sewer Division made 40 point repairs totaling 696 feet of pipe, cleaned 19,293 feet of pipe, and reported 19 sewer overflows.
- Engineering Department approved 9 utility plans this month and currently has 27 on-going projects.
- Billing Department sent a total of 69,561 bills and notices

DATE	TOTALS IN MGD	DATE	% of Total Capacity Based on 28 MGD
8/1/2019	19.0	8/1/2019	67.86
8/2/2019	21.8	8/2/2019	77.86
8/3/2019	20.2	8/3/2019	72.14
8/4/2019	17.3	8/4/2019	61.79
8/5/2019	20.4	8/5/2019	72.86
8/6/2019	17.9	8/6/2019	63.93
8/7/2019	18.3	8/7/2019	65.36
8/8/2019	17.6	8/8/2019	62.86
8/9/2019	18.6	8/9/2019	66.43
8/10/2019	18.0	8/10/2019	64.29
8/11/2019	21.1	8/11/2019	75.36
8/12/2019	17.4	8/12/2019	62.14
8/13/2019	21.0	8/13/2019	75.00
8/14/2019	19.0	8/14/2019	67.86
8/15/2019	19.2	8/15/2019	68.57
8/16/2019	18.0	8/16/2019	64.29
8/17/2019	20.6	8/17/2019	73.57
8/18/2019	20.1	8/18/2019	71.79
8/19/2019	19.7	8/19/2019	70.36
8/20/2019		8/20/2019	0.00
8/21/2019		8/21/2019	0.00
8/22/2019		8/22/2019	0.00
8/23/2019		8/23/2019	0.00
8/24/2019		8/24/2019	0.00
8/25/2019		8/25/2019	0.00
8/26/2019		8/26/2019	0.00
8/27/2019		8/27/2019	0.00
8/28/2019		8/28/2019	0.00
8/29/2019		8/29/2019	0.00
8/30/2019		8/30/2019	0.00
8/31/2019		8/31/2019	

Daily Finished Totals MGD



% of Total Capacity Based on 28 MGD



Monthly
total

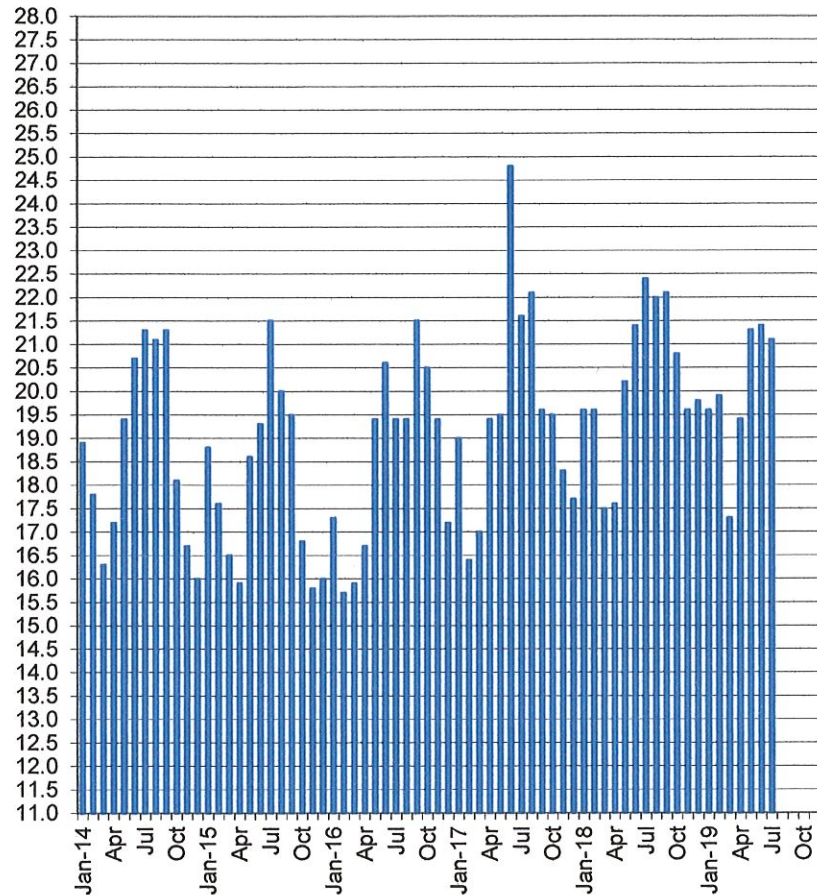
Clarksville Water Treatment Plant

Maximum Daily Pumpage

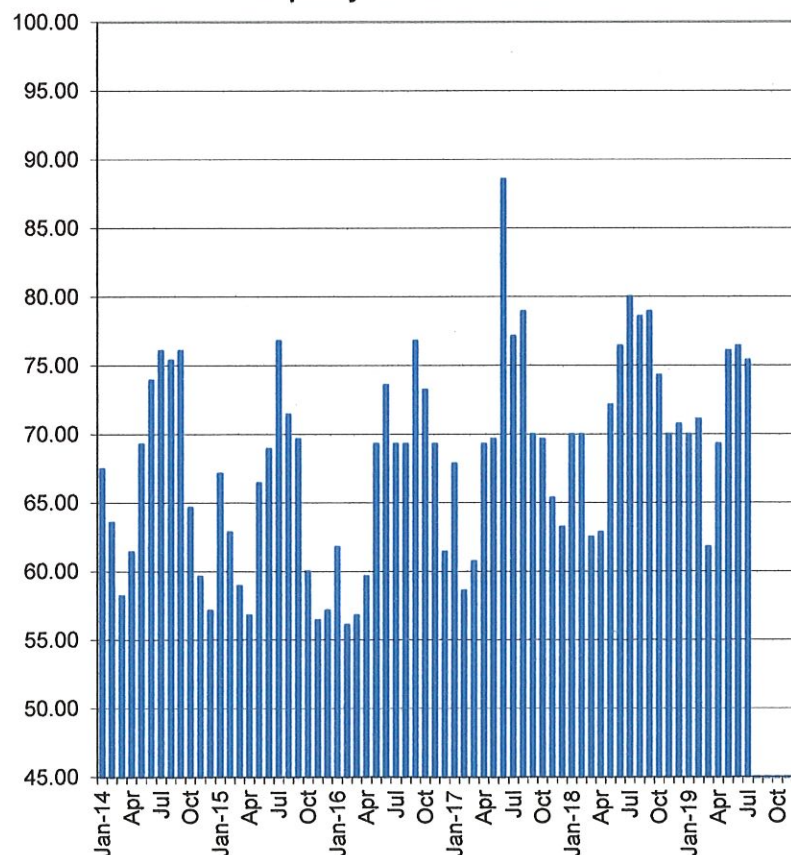
2014 thru 2019

Date	Amt	Date	% of Capacity
Jan-14	18.9	Jan-14	67.50
Feb	17.8	Feb	63.57
Mar	16.3	Mar	58.21
Apr	17.2	Apr	61.43
May	19.4	May	69.29
Jun	20.7	Jun	73.93
Jul	21.3	Jul	76.07
Aug	21.1	Aug	75.36
Sep	21.3	Sep	76.07
Oct	18.1	Oct	64.64
Nov	16.7	Nov	59.64
Dec	16.0	Dec	57.14
Jan-15	18.8	Jan-15	67.14
Feb	17.6	Feb	62.86
Mar	16.5	Mar	58.93
Apr	15.9	Apr	56.79
May	18.6	May	66.43
Jun	19.3	Jun	68.93
Jul	21.5	Jul	76.79
Aug	20.0	Aug	71.43
Sep	19.5	Sep	69.64
Oct	16.8	Oct	60.00
Nov	15.8	Nov	56.43
Dec	16.0	Dec	57.14
Jan-16	17.3	Jan-16	61.79
Feb	15.7	Feb	56.07
Mar	15.9	Mar	56.79
Apr	16.7	Apr	59.64
May	19.4	May	69.29
Jun	20.6	Jun	73.57
Jul	19.4	Jul	69.29
Aug	19.4	Aug	69.29
Sep	21.5	Sep	76.79
Oct	20.5	Oct	73.21
Nov	19.4	Nov	69.29
Dec	17.2	Dec	61.43
Jan-17	19.0	Jan-17	67.86
Feb	16.4	Feb	58.57
Mar	17.0	Mar	60.71
Apr	19.4	Apr	69.29
May	19.5	May	69.64
Jun	24.8	Jun	88.57
Jul	21.6	Jul	77.14
Aug	22.1	Aug	78.93
Sep	19.6	Sep	70.00
Oct	19.5	Oct	69.64
Nov	18.3	Nov	65.36
Dec	17.7	Dec	63.21
Jan-18	19.6	Jan-18	70.00
Feb	19.6	Feb	70.00
Mar	17.5	Mar	62.50
Apr	17.6	Apr	62.86
May	20.2	May	72.14
Jun	21.4	Jun	76.43
Jul	22.4	Jul	80.00
Aug	22.0	Aug	78.57
Sep	22.1	Sep	78.93
Oct	20.8	Oct	74.29
Nov	19.6	Nov	70.00
Dec	19.8	Dec	70.71
Jan-19	19.6	Jan-19	70.00
Feb	19.9	Feb	71.07
Mar	17.3	Mar	61.79
Apr	19.4	Apr	69.29
May	21.3	May	76.07
Jun	21.4	Jun	76.43
Jul	21.1	Jul	75.36
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-14	15.6	Jan-14	55.71
Feb	15.1	Feb	53.93
Mar	14.6	Mar	52.14
Apr	14.7	Apr	52.50
May	15.9	May	56.79
Jun	16.6	Jun	59.29
Jul	18.4	Jul	65.71
Aug	18.0	Aug	64.29
Sep	17.5	Sep	62.50
Oct	15.6	Oct	55.71
Nov	14.7	Nov	52.50
Dec	14.6	Dec	52.14

Jan-15	15.2	Jan-15	54.29
Feb	15.4	Feb	55.00
Mar	14.8	Mar	52.86
Apr	14.4	Apr	51.43
May	16.2	May	57.86
Jun	16.8	Jun	60.00
Jul	17.5	Jul	62.50
Aug	17.6	Aug	62.86
Sep	16.9	Sep	60.36
Oct	15.2	Oct	54.29
Nov	14.2	Nov	50.71
Dec	14.2	Dec	50.71

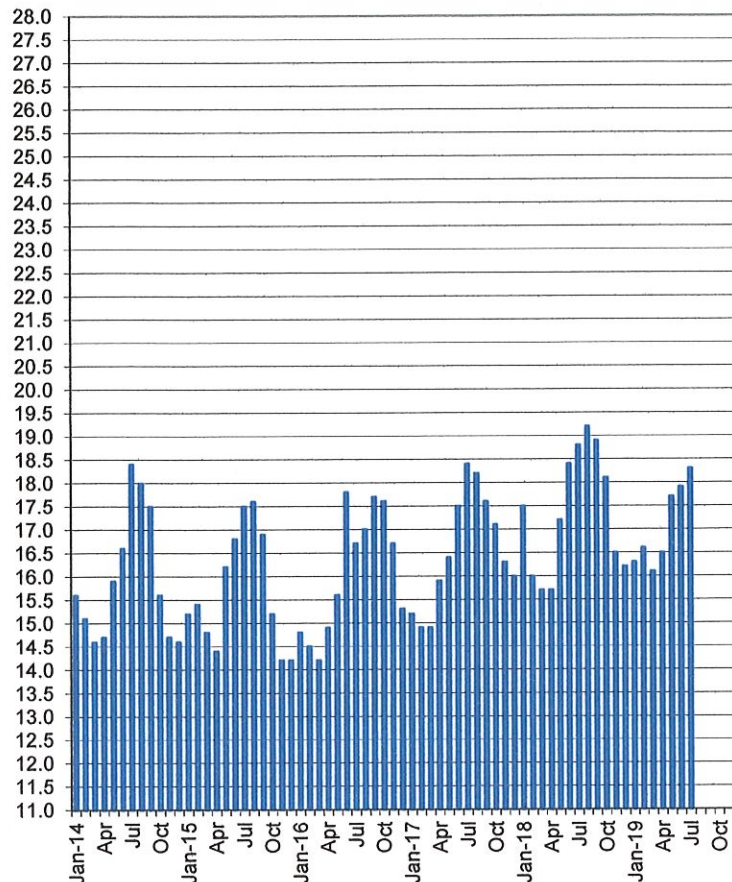
Jan-16	14.8	Jan-16	52.86
Feb	14.5	Feb	51.79
Mar	14.2	Mar	50.71
Apr	14.9	Apr	53.21
May	15.6	May	55.71
Jun	17.8	Jun	63.57
Jul	16.7	Jul	59.64
Aug	17.0	Aug	60.71
Sep	17.7	Sep	63.21
Oct	17.6	Oct	62.86
Nov	16.7	Nov	59.64
Dec	15.3	Dec	54.64

Jan-17	15.2	Jan-17	54.29
Feb	14.9	Feb	53.21
Mar	14.9	Mar	53.21
Apr	15.9	Apr	56.79
May	16.4	May	58.57
Jun	17.5	Jun	62.50
Jul	18.4	Jul	65.71
Aug	18.2	Aug	65.00
Sep	17.6	Sep	62.86
Oct	17.1	Oct	61.07
Nov	16.3	Nov	58.21
Dec	16.0	Dec	57.14

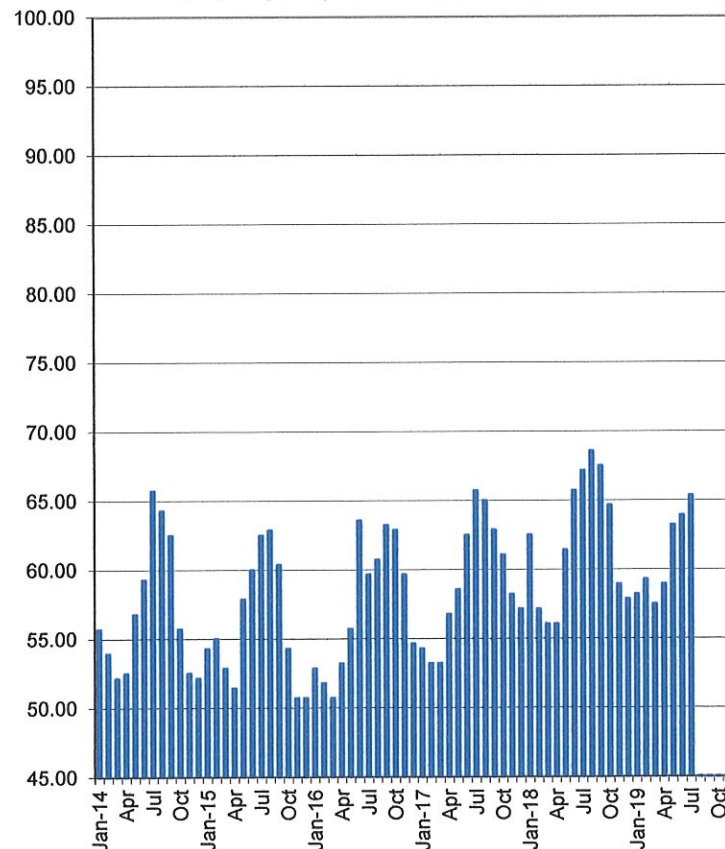
Jan-18	17.5	Jan-18	62.50
Feb	16.0	Feb	57.14
Mar	15.7	Mar	56.07
Apr	15.7	Apr	56.07
May	17.2	May	61.43
Jun	18.4	Jun	65.71
Jul	18.8	Jul	67.14
Aug	19.2	Aug	68.57
Sep	18.9	Sep	67.50
Oct	18.1	Oct	64.64
Nov	16.5	Nov	58.93
Dec	16.2	Dec	57.86

Jan-19	16.3	Jan-19	58.21
Feb	16.6	Feb	59.29
Mar	16.1	Mar	57.50
Apr	16.5	Apr	58.93
May	17.7	May	63.21
Jun	17.9	Jun	63.93
Jul	18.3	Jul	65.36
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

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Jan.Total	459200	447498	439351	442038	486007	472836	460298	471709	542638	506802
Aver.	14813	14435	14173	14259	15678	15253	14848	15216	17504	16348
Max	18431	16217	16208	17032	18977	18841	17349	19091	19678	19667
Min	12612	12888	12075	12695	11548	13616	12928	14348	14683	13896
Feb.Total	400131	400455	406621	400164	424980	431331	420563	418523	450030	467133
Aver.	14290	14302	14021	14292	15178	15405	14502	14947	16073	16683
Max	16627	16869	16385	17101	17883	17659	15791	16453	19679	19919
Min	12956	12725	12006	10627	12956	13342	13145	13507	14057	13710
Mar.Total	434583	433918	458407	443135	454724	459349	442712	462775	488427	499251
Aver.	14019	13997	14787	14295	14669	14818	14281	14928	15756	16105
Max	15437	15903	20748	16323	16316	16565	15992	17089	17592	17367
Min	12121	11697	10971	12758	12448	13381	12822	13894	14516	14929
Apr. Total	456503	438167	472623	428845	442935	433816	447902	479548	471571	495905
Aver.	15217	14606	15754	14295	14765	14461	14930	15985	15719	16530
Max	18345	17045	19906	16049	17251	15936	16785	19424	17634	19477
Min	12866	12287	13825	12472	13031	12702	12521	14464	13683	14140
May Total	472140	479606	518962	469221	494881	502787	484014	508673	535251	550304
Aver.	15230	15471	16741	15136	15964	16219	15613	16409	17266	17752
Max	17344	18497	20470	17712	19461	18671	19413	19500	20201	21385
Min	13213	12293	12189	12710	13064	14687	13917	13724	14348	14204
Jun. Total	501081	516150	568593	484809	500530	505360	536245	525289	554301	539759
Aver.	16703	17205	18953	16160	16684	16846	17875	17510	18477	17992
Max	20540	21276	24850	18416	20717	19306	20660	24870	21444	21454
Min	14482	14264	13858	13442	14133	14050	15630	14988	15308	14700
Jul. Total	547116	565235	543355	503624	572496	544235	519632	571991	583935	569783
Aver.	17649	18233	17528	16246	18468	17556	16762	19451	18837	18380
Max	21511	20922	21568	19079	21348	21555	19407	21680	22472	21198
Min	14667	15895	14232	12996	14926	14673	14985	15287	13853	16212
Aug.Total	556358	582647	530106	501432	559563	547126	529644	566204	595380	
Aver.	17947	18795	17100	16175	18050	17649	17085	18265	19206	
Max	21053	20941	19035	20145	21121	20033	19451	22100	22024	
Min	14592	16508	15105	14013	13566	14503	14785	15658	15318	
Sep.Total	518822	476653	465948	494484	527302	508650	532147	530559	569190	
Aver.	17294	15888	15532	16483	17577	16955	17738	17685	18973	
Max	18847	20613	17889	17993	21379	19573	21501	19637	22112	
Min	15096	13447	12729	14365	14851	14245	16104	15576	16342	
Oct. Total	506481	485550	453395	482230	484925	471463	547410	533123	561681	
Aver.	16338	15663	14626	15556	15643	15208	17658	17198	18119	
Max	18428	17406	16734	18514	18115	16803	20503	19507	20803	
Min	13631	13205	12269	12424	13993	13337	15408	14485	15333	
Nov.Total	432624	434396	442808	442786	443208	427852	501075	490630	496859	
Aver.	14421	14480	14760	14760	14774	14262	16703	16354	16562	
Max	16368	15965	17735	16254	16718	15879	19499	18381	19630	
Min	12016	12780	12435	13360	13207	12336	13700	13825	14615	
Dec.Total	441260	438600	431342	463552	453064	442384	475697	497194	504637	
Aver.	14234	14148	13914	14953	14615	14270	15345	16039	16279	
Max	16116	16409	17507	20904	16055	16082	17226	17728	19829	
Min	12521	12577	10650	12206	13421	12787	13516	13355	13897	
Yr. Total	5726299	5698875	5731511	5556320	5844615	5747189	5897339	6056218	6353900	3628937
Yr. Aver.	15689	15613	15659	15222	16013	15746	16113	16592	17407.95	
Peak Day	21511	21276	24850	20904	21379	21555	21501	24870	22472	

Monthly Bypass / Overflow Report							
System:	Wastewater Collection System					County: Montgomery	
Month:	July	Year	2019	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:		
T	4		Ringgold RD LS MH# 18275	12:35PM	1:55PM	24,000	Heavy rainfall, station caught up
T	4		Hayes LS	12:20PM	1:00PM	3,000	storm knocked out power, power restored, spread lime
T	6		South 7th LS	5:28PM	5:48PM	1,500	Heavy rainfall, station caught up
T	6		Turner lane LS	5:28PM	5:35PM	525	Heavy rainfall, station caught up
T	6		Briarwood LS	6:05PM	6:25PM	1,000	Heavy rainfall, station caught up
T	6		Middleton LS MH# 7680	6:25PM	6:40PM	750	Heavy rainfall, station caught up
T	13		NewMeadowbrook LS MH# 6723	8:40PM	10:20PM	22,000	Heavy rainfall, station caught up
T	13		Ringgold RD LS MH# 18275	7:00PM	11:10PM	599,000	Heavy rainfall, station caught up
T	13		South 7th LS	7:45PM	8:30PM	2,250	Heavy rainfall, station caught up
T	13		Dale Terrace Dr LS	7:45PM	11:00PM	19,500	Heavy rainfall, station caught up
T	13		Sherwood Forest LS MH# 8328	8:30PM	9:00PM	3,000	Heavy rainfall, station caught up
T	13		Savanah LS	8:45PM	9:00PM	750	Heavy rainfall, station caught up
T	17		Ringgold RD LS MH# 18275	7:00AM	9:15AM	615,000	Heavy rainfall, station caught up
T	17		Hayes LS	8:15AM	8:50AM	1,750	Heavy rainfall, station caught up
T	17		Briarwood LS	8:20AM	8:40AM	1,000	Heavy rainfall, station caught up
T	17		Middleton LS MH# 7680	7:50AM	8:40AM	2,500	Heavy rainfall, station caught up
T	17		Embassy House LS MH# 6794	7:42AM	8:07AM	125	Heavy rainfall, station caught up
T	22		Ringgold RD LS MH# 18275	1:45PM	9:15PM	16,000	Heavy rainfall, station caught up
U	24		Trice Landing LS	12:00PM	1:30PM	4,500	Bad Transducer, replaced transducer and spread lime
Type of Overflow							
U-All Other Occurrences T-Wet Weather Overflows							

METER READING AND SERVICE DEPARTMENT MONTHLY / YEARLY REPORT

METER READING

Meters Read

		<u>Gas</u>	<u>Water</u>	<u>Total</u>	<u>Accuracy Rate</u>
July	2019	28,552	71,041	99,593	99.90%
June	2019	28,532	70,887	99,419	99.89%
May	2019	28,495	70,697	99,192	99.90%
April	2019	28,491	70,536	99,027	99.91%
March	2019	28,443	70,429	98,872	99.93%
February	2019	28,414	70,301	98,715	99.94%
January	2019	28,374	70,183	98,557	99.91%
December	2018	28,336	70,090	98,426	99.93%
November	2018	28,296	69,998	98,294	99.91%
October	2018	28,242	69,889	98,131	99.88%
September	2018	28,202	69,765	97,967	99.90%
August	2018	28,140	69,649	97,789	99.92%
July	2018	28,122	69,462	97,584	99.94%
12 Month Total		368,639	912,927	1,281,566	99.91%

SERVICE DEPARTMENT

		<u>Service Orders</u>	<u>After Hours Calls</u>
July	2019	5244	390
June	2019	5042	306
May	2019	5371	370
April	2019	4728	314
March	2019	4474	298
February	2019	3990	260
January	2019	5047	374
December	2018	3992	336
November	2018	5024	456
October	2018	5803	444
September	2018	4604	345
August	2018	5615	365
July	2018	5600	364
12 Month Total		64,534	4,622

ORDINANCE #

AN ORDINANCE PERTAINING TO ADVERTISING, LOGOS, EMBLEMS ETC. ON CITY WATER TOWER TANKS

WHEREAS, the painting of advertising, logos, emblems, etc. on City water towers can cause damage to the water tower tanks if the work is not done properly, and allowing same can present issues of legal liability in connection with the work, as well as issues regarding fairness to commercial customers and businesses and can give an unfair advantage by indicating the City endorses one company, business or product over others; and

WHEREAS, the City Council finds that it is in the best interests of the City, its residents, and the rate payers whose payments sustain the City of Clarksville, Department of Gas & Water, to ban or prohibit the painting of any advertising, logos, emblems, letters, numbers, messages, etc. of any private company, business, or product(s) on any City owned or leased water tower tank, or the placing of any signage or “wraps” thereon, except that the City, upon written interlocal agreement or contract between the parties, upon approval by the City Council by resolution, may allow such advertising, logos, emblems, painted letters, numbers, messages, etc. pertaining to governmental entities, to include, but not limited to, public schools, Austin Peay State University or any successor, or the military forces of the United States or the State of Tennessee, or veterans service organizations incorporated or chartered by the state or federal government.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CLARKSVILLE, TENNESSEE:

(1) That Title 13 (Utilities and Service), Chapter 3 (Gas, Water, and Sewer Service) of the Official City Code should be and is hereby amended by adding the following as a new Section 13-326:

Section 13-326. Advertising, Logos, Emblems, etc. on City Water Tower Tanks Prohibited Except for Governmental Entities

The painting of any advertising, logos, emblems, letters, numbers, messages, etc. pertaining to any private company, business, or product(s) on any City owned or leased water tower tank, or the placing of any signage or “wraps” thereon, is prohibited, except that the City, upon written interlocal agreement or contract between the parties, and upon approval of same by the City Council by resolution, may allow such advertising, logos, emblems, painted letters, numbers, messages, etc. pertaining to governmental entities, to include, but not limited to, local public schools, Austin Peay State University or any successor, or the military forces of the United States or the State of Tennessee, or veterans service organizations incorporated or chartered by the state or federal government.

Mayor

ATTEST:

City Clerk

FIRST READING:

SECOND READING:

EFFECTIVE DATE: