



GAS & WATER COMMITTEE AGENDA

DATE: September 17, 2020

TIME: 3:45 p.m.

**LOCATION: Clarksville Gas & Water Department &
Via Google Meet**

IN AN EFFORT TO FACILITATE THE RESPONSE TO CORONAVIRUS DISEASE 2019 (COVID-19), THIS MEETING WILL BE CONDUCTED VIA GOOGLE MEETS. 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: August 20, 2020

V. DEPARTMENT REPORTS:

1. Bad Debt – Fred Klein
2. Financials – Fred Klein
3. Bid – Summary – Camille Thomas
4. Professional Services – Camille Thomas
 - Engineering Services for the Utility Relocation at Tylertown Road and Oakland Road from HDR Engineering, Inc. in the amount of \$528,629.00.
 - Survey, Design, Easement Descriptions and Construction Plans for the Northwest Manifold Improvements from Suiter Surveying & Land Planning, Inc. in the amount of \$58,250.00.
5. Department Reports – Mark Riggins

VI. COMMITTEE ACTION REQUIRED

VII. CITY COUNCIL ACTION REQUIRED

VIII. ADJOURNMENT

IX. PUBLIC COMMENTS (5 minutes each)



GAS & WATER COMMITTEE August 20, 2020

MINUTES

CALL TO ORDER

A meeting of the City of Clarksville Gas & Water Committee was called to order by Chairwoman Valerie Guzman on Thursday, August 20, 2020, at 3:45 p.m. This meeting was conducted via Google Meets.

ATTENDANCE

The following members responded to roll call and were connected to the meet:

Chairwoman Valerie Guzman, Gary Norris, Ron Erb

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

ADOPTIONS OF MINUTES

Councilman Ron Erb made a motion to approve the minutes of the May 21, 2020 committee meeting, 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 July 2020.

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

Camille Thomas reported the Bid-Summary for the month.

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

- New North Service Center Renovation Design from Lyle-Cook-Martin in the amount of \$40,000.00.
- Miscellaneous Advisory & Consulting Services from D2 Energy, LLC in the amount of \$25,000.00.
- Miscellaneous Engineering Services from TTL, Inc. in the amount of \$50,000.00.

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

COMMITTEE ACTION REQUIRED

N/A

CITY COUNCIL ACTION REQUIRED

ORDINANCE 18-2020-21 Authorizing extension of utilities to Garrettsburg Road, Cmap 029, parcels 10.00 & 65.00; request of Vernon Weakley. Councilman Ron Ern made a motion for approval, Councilman Gary Norris seconded it, and the same passed unanimously to full City Council.

ORDINANCE 20-2020-21 Amending Part II, Title 13(Utilities and Service), Chapter 3 (Gas, Water, and Sewer Service) and Chapter 4 (Water and/or Sewer Service to Particular Areas or Subdivisions) of the City of Clarksville Code of Ordinances relative to charges, deposits, programs, adjustments, installment plans, and service extension approval. Councilman Gary Norris made a motion for approval, Councilman Ron Erb seconded it, and the same passed unanimously to full City Council.

ADJOURNMENT

The meeting was adjourned at 4:15 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
Sep-19	\$ 8,395.65	76	\$ 110.47	\$ 1,619.94	\$ 12,370.90	73	\$ 169.46
Oct-19	\$ 25,236.14	121	\$ 208.56	\$ 4,083.87	\$ 22,408.43	88	\$ 254.64
Nov-19	\$ 17,998.88	101	\$ 178.21	\$ 992.64	\$ 10,994.34	64	\$ 171.79
Dec-19	\$ 16,288.88	99	\$ 164.53	\$ 2,097.21	\$ 7,879.44	57	\$ 138.24
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
	\$ 138,853.54	963	\$ 144.19	\$ 46,465.39	\$ 148,905.68	901	\$ 165.27

33.46%

CGW Water Department
August, 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	2,023,004	1,916,458	106,546	4,187,605	3,832,917	354,688
Penalties	26,827	27,500	(673)	45,024	55,000	(9,976)
Other Income	295,635	243,958	51,676	608,411	487,917	120,494
Gross Revenue	2,345,466	2,187,917	157,550	4,841,040	4,375,833	465,207
Water Plant 1	267,025	372,726	105,701	649,025	745,452	96,426
Water Plant 2	-	-	-	1,200	-	(1,200)
Water Transmission	511,517	464,855	(46,661)	899,831	929,711	29,879
Water Administration	29,175	26,030	(3,145)	56,411	52,061	(4,351)
Customer Service	249,928	263,487	13,559	700,439	526,974	(173,465)
Accounting	38,362	51,704	13,342	100,212	103,407	3,196
Engineering	87,978	119,276	31,298	189,087	238,553	49,466
Admin & General	53,930	71,049	17,119	130,022	142,099	12,076
Other Expenses	7,855	12,083	4,228	23,448	24,167	719
Depreciation	507,415	541,667	34,252	1,014,831	1,083,333	68,502
Total Operating Expenses	1,753,185	1,922,878	169,693	3,764,506	3,845,756	81,249
Income from Operations	592,282	265,039	327,243	1,076,534	530,078	546,456
Interest Income	7,524	36,500	(28,976)	15,839	73,000	(57,161)
Other Income (Expense)	267	1,667	(1,400)	533	3,333	(2,800)
Interest Expense	(78,716)	(78,981)	265	(157,590)	(157,963)	373
Debt Amortization Income	18,124	18,120	4	36,247	36,239	8
PILOT	(82,672)	(82,672)	(0)	(165,345)	(165,345)	0
Total Other Income (Expense)	(135,474)	(105,367)	(30,106)	(270,315)	(210,735)	(59,580)
Total Income / (Loss)	456,808	159,672	297,136	806,218	319,343	486,875
Capital Spend	839,996	1,147,000	307,004	968,184	2,294,000	1,325,816
Contributed Capital - Cash	-	-	-	-	-	-
Contributed Capital - Non-Cash	-	1,000,000	(1,000,000)	-	2,000,000	(2,000,000)

CGW Wastewater Department
August, 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	3,435,089	3,330,250	104,839	7,107,698	6,660,500	447,198
Penalties	45,524	50,000	(4,476)	76,863	100,000	(23,137)
Other Income	357,729	235,725	122,004	760,059	471,450	288,609
Gross Revenue	3,838,341	3,615,975	222,366	7,944,620	7,231,950	712,670
Wastewater Plant	289,209	442,601	153,392	651,185	885,203	234,018
Wastewater Collection	458,832	558,047	99,215	1,023,522	1,116,093	92,571
Wastewater Administration	42,599	34,932	(7,667)	83,151	69,864	(13,287)
Customer Service	157,071	167,995	10,923	328,137	335,990	7,852
Accounting	44,836	56,662	11,825	108,222	113,323	5,101
Engineering	108,498	133,700	25,202	201,722	267,399	65,677
Admin & General	53,769	62,871	9,101	129,886	125,742	(4,144)
Other Expenses	7,855	12,083	4,228	23,448	24,167	719
Depreciation	961,129	1,033,333	72,205	1,922,259	2,066,667	144,408
Total Operating Expenses	2,123,799	2,502,223	378,425	4,471,532	5,004,447	532,915
Income from Operations	1,714,542	1,113,752	600,791	3,473,088	2,227,503	1,245,585
Interest Income	7,797	32,083	(24,286)	16,632	64,167	(47,534)
Other Income (Expense)	267	667	(400)	533	1,333	(800)
Interest Expense	(541,963)	(563,934)	21,971	(1,086,401)	(1,127,868)	41,467
Debt Amortization Income	103,446	103,446	(0)	206,892	206,892	(0)
PILOT	(162,616)	(162,616)	-	(325,233)	(325,233)	-
Total Other Income (Expense)	(593,069)	(590,355)	(2,715)	(1,187,577)	(1,180,709)	(6,868)
Total Income / (Loss)	1,121,473	523,397	598,076	2,285,512	1,046,794	1,238,717
Capital Spend	2,057,962	2,155,000	97,038	2,406,318	4,310,000	1,903,682
Contributed Capital - Cash	-	-	-	-	-	-
Contributed Capital - Non-Cash	-	833,333	(833,333)	-	1,666,667	(1,666,667)

CGW Gas Department
August, 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	1,079,236	1,260,893	(181,657)	2,102,153	2,384,234	(282,081)
Penalties	7,173	16,667	(9,494)	11,313	33,333	(22,021)
Other Income	147,000	99,674	47,326	236,294	199,349	36,945
Gross Revenue	1,233,408	1,377,234	(143,826)	2,349,760	2,616,916	(267,156)
Cost of Gas	505,589	601,104	95,516	806,241	1,074,314	268,073
Gas Distribution	207,216	236,999	29,783	419,507	473,998	54,490
Gas Administration	126,480	210,049	83,570	269,651	420,099	150,448
Ft. Campbell Operations	41,224	41,774	550	84,948	83,548	(1,400)
Customer Service	103,985	100,534	(3,451)	213,417	201,069	(12,348)
Accounting	76,017	50,619	(25,398)	192,959	101,239	(91,721)
Engineering	42,181	59,795	17,614	93,352	119,590	26,237
Admin & General	53,692	58,527	4,835	129,616	117,054	(12,563)
Other Expenses	7,288	10,417	3,128	22,164	20,833	(1,331)
Depreciation	153,129	191,667	38,538	306,258	383,333	77,075
Total Operating Expenses	1,316,799	1,561,485	244,685	2,538,114	2,995,075	456,961
Income from Operations	(83,391)	(184,251)	100,860	(188,354)	(378,159)	189,805
Interest Income	7,279	32,500	(25,221)	15,062	65,000	(49,938)
Other Income (Expense)	267	2,083	(1,817)	533	4,167	(3,633)
Interest Expense	(16,278)	(16,051)	(226)	(32,555)	(32,103)	(452)
Debt Amortization Income	3,982	3,982	-	7,963	7,963	0
PILOT	(57,099)	(57,099)	-	(114,198)	(114,198)	-
Total Other Income (Expense)	(61,849)	(34,585)	(27,263)	(123,194)	(69,171)	(54,023)
Total Income / (Loss)	(145,240)	(218,836)	73,596	(311,548)	(447,330)	135,782
Capital Spend	139,749	691,000	551,251	461,980	1,382,000	920,020
Contributed Capital - Cash	-	-	-	-	-	-
Contributed Capital - Non-Cash	-	-	-	-	366,667	(366,667)

FY 2021 Debt Coverage

August, 2020

YTD Net Revenue through

Fiscal Period

2

Actual

System Gross Revenue	\$ 15,135,420
System Operating Expenses	10,774,152
	4,361,268
Add: Depreciation Expense	3,243,348
Other Revenue (Expense)	49,133
Net Revenues	\$ 7,653,749

Debt Coverage Ratio **2.27**

Debt Coverage Ratio Goal **1.70**

FY 2020 Coverage Ratio *2.09*

FY 2019 Coverage Ratio *2.12*

>2.00 = Aaa rating

1.70-2.00 = Aa rating

Debt to Operation Revenue Ratio

August, 2020

FY 2021 Budget

Total Debt	\$ 177,406,199
Operating Revenue	\$ 90,812,520
Debt/Operating Revenue	1.95

FY 2020 Budget

Total Debt	\$ 189,626,801
Operating Revenue	\$ 90,812,520
Debt/Operating Revenue	2.09

FY 2019 Actual

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

FY 2018 Actual

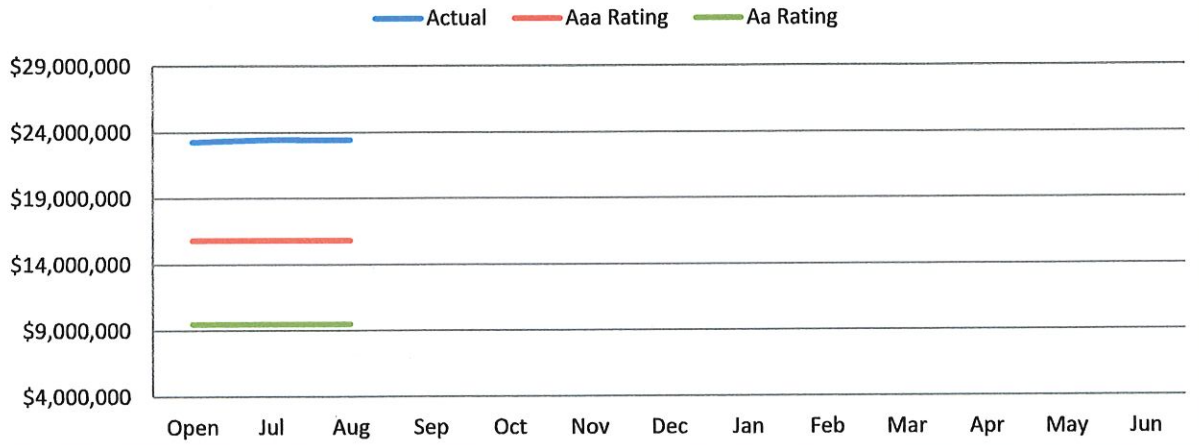
Total Debt	\$ 237,996,422
Operating Revenue	\$ 90,487,961
Debt/Operating Revenue	2.63

<2.00 = Aaa

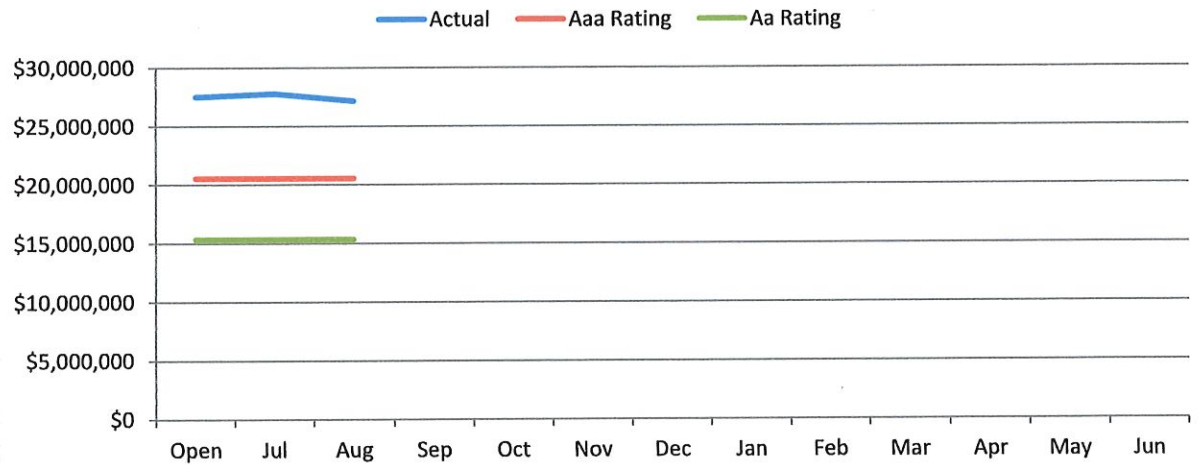
2.00 - 4.00 = Aa

Clarksville Gas & Water FY 2021

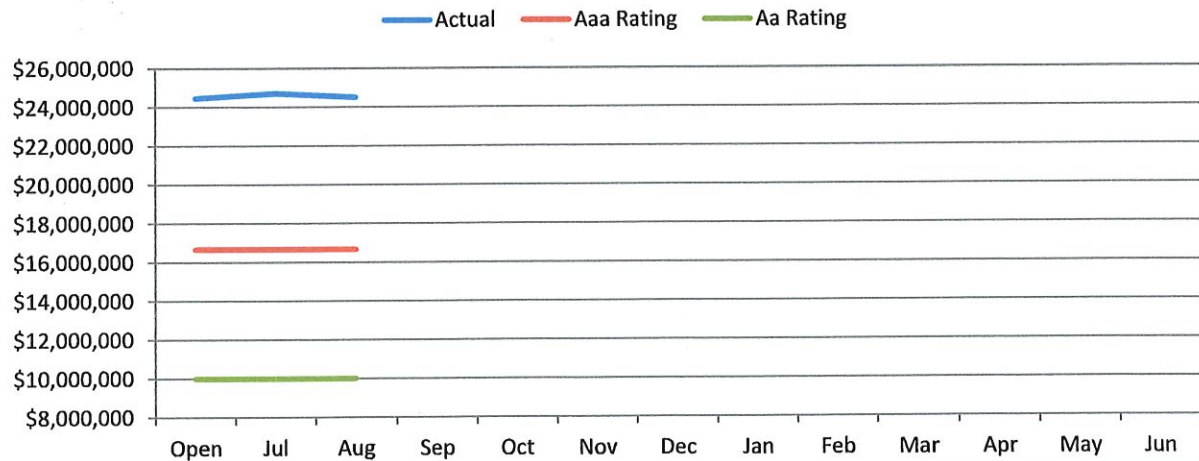
FY 2021 Available Cash - Water



FY 2021 Available Cash - Wastewater



FY 2021 Available Cash - Gas



**GAS & WATER DEPARTMENT
BID SUMMARY
September 17, 2020**

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>
4094	Old Castle Duralite Tier 22 Meter Boxes & Lids	Fortiline Waterworks	\$36,708.80

SOLE SOURCE PURCHASES

1. Future purchases of Neptune Water Meter parts from Southern Pipe & Supply.
2. Future purchases of Moyno polymer pump parts from D.J. Shubeck.

Bid 4094- Old Castle Duralite Tier 22 Meter Boxes & Lids

Fortiline Waterworks	\$36,708.80*	
Southern Pipe Supply	\$36,904.32	
Core & Main	\$43,968.00	
Consolidated Pipe & Supply	No Response	
C.I. Thornburg Co	No Response	
Ferguson Waterworks	No Response	
Kenny Pipe & Supply	No Response	Local
Hayes Pipe Supply Inc.	No Response	
12K Utility & Meter LLC	No Response	
Aclara SGS	No Response	
Kamstrup Water Metering LLC	No Response	
M&M Mfg	No Response	
McLemore Water Meter Source	No Response	
National Water Service LLC	No Response	
Nova-Tech International Inc.	No Response	
Sensus USA Inc.	No Response	
Southern Cross	No Response	
The Macomb Group	No Response	
Walter A Wood Supply Co	No Response	

*Department Recommendation

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	Utility Relocation at Tylertown Road and Oakland Road: Consultant shall provide engineering services for the relocation of utilities at Tylertown Road and Oakland Road. Consultant services comprise preparation of utility relocation plans and construction documents associated with the roadway widening.
NAME OF FIRM:	HDR Engineering, Inc.
QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:	HDR is readily available to assist the City and has qualified staff including licensed professional engineers with experience relating not only to municipal infrastructure but also all aspects of planning, traffic engineering, roadway design, bridge design, and associated support services.
YEARS OF EXPERIENCE:	102 Years (Founded in 1917)
SIMILAR PROJECTS PERFORMED FOR THE CITY (as Florence & Hutcheson later known as ICA Engineering, which was acquired by HDR):	1. TDOT Utility Relocation at Trenton Road and Tylertown Road 2. TDOT Utility Relocation at SR149/SR13 3. TDOT Utility Relocation at State Route 13 from Cracker Barrel Drive to International Boulevard 4. TDOT Utility Relocation at SR 76 Intersection at Denny Road/ Rotary Park Drive
SIMILAR PROJECTS PERFORMED ELSEWHERE:	1. Lone Oak Water Main Replacement, Paducah, Kentucky -- Included more than 41,000 linear feet of water main, service lines, meters and all related equipment. 2. West Central Water Main Replacement, Paducah, Kentucky -- Included more than 25,000 linear feet of water main replacement. 3. KY 70 Water and Sewer Relocation, Madisonville, Kentucky -- Relocation of 18,000 linear feet of 6" - 10" water main. 5,200 linear feet of 4" force main and 2 submersible sewer pump stations.
OTHER QUALIFICATIONS:	HDR has qualified staff including licensed professional engineers with experience relating not only to municipal infrastructure but also all aspects of planning, traffic engineering, roadway design, bridge design, and associated support 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 Branch, PE Tom Heath, PE
DEPARTMENT WHERE FUNDS ARE BUDGETED:	Clarksville Gas & Water Department

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

05-16-2019
DATE

SIGNATURES OF OTHERS INVOLVED IN SELECTION

5/17/2019
DATE

SIGNATURE OF PURCHASING DIRECTOR

5-17-19
DATE

REQUEST FOR PROFESSIONAL SERVICE

Utility Relocation at Tylertown Road and Oakland Road

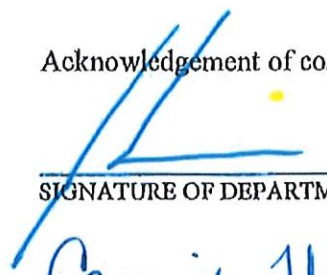
HDR Engineering, Inc.

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

ESTIMATED COST (TO BE PROVIDED ONCE DETERMINED):	\$ 528,629.00
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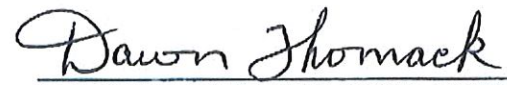
Acknowledgement of cost estimate received:


SIGNATURE OF DEPARTMENT HEAD/DESIGNEE

09-11-2020
DATE


SIGNATURE OF PURCHASING DIRECTOR

9-15-20
DATE


SIGNATURE OF CHIEF FINANCIAL OFFICER

9-11-2020
DATE

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

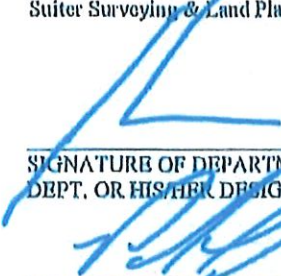
PROJECT NAME AND SCOPE OF WORK:	Northwest Manifold Improvements – Project comprises survey, design, easement descriptions and construction plans for approximately 10,000 LF of sanitary sewer forcemain improvements to the Northwest Manifold. Contract term: Project is estimated to take less than six months
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:	• Misc. Water and Sewer System Improvements • Locust Street, South Woodson Road and Highway 12 Water Main Improvements • Miscellaneous Engineering & Surveying Services • Hemlock Waterline Extension project – survey of six miles of new route and easements for the extension of a new 24-inch waterline, a new tank site as well as a booster station site for the new Hemlock Semiconductor Plant (CGW) • Trenton and Tylertown Road Realignment project - boundary and topographic survey of the intersection of Trenton and Tylertown Road (Street Department) • Trenton Road Sewer Improvements • Rotary Park Gravity Sewer Extension Surveying Services
SIMILAR PROJECTS PERFORMED ELSEWHERE:	• Tennessee Sanitary Sewer Rehab project - survey of approximately four miles of route for a new gravity sewer system to replace the existing pump system (City of Whitehouse, TN) • Westwood/Boxwood Drainage Project to provide boundary and easement surveys of the proposed drainage improvements north of 7th Street – (Subconsultant to Bell Engineering - City of Hopkinsville, KY) • Utility design for various developer projects, to include: - o Bellshire - o Allen Chase - o Heritage Point - o Autumnwood Farms - o Bridge Church - o F&M Bank
OTHER QUALIFICATIONS:	Suiter Surveying has satisfactorily performed and successfully delivered on several projects 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):	Garth Branch, PE Patrick Chesney
DEPARTMENT WHERE FUNDS ARE BUDGETED:	Clarksville Gas & Water Department

REQUEST FOR PROFESSIONAL SERVICE

Northwest Muniford Improvements

Suiter Surveying & Land Planning, Inc.

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

08-28-2020
DATE


SIGNATURES OF OTHERS INVOLVED IN SELECTION

8-28-2020
DATE


SIGNATURE OF PURCHASING DIRECTOR

9-1-20
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):	\$ <u>58,250</u>
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Acknowledgement of cost estimate received:


SIGNATURE OF DEPARTMENT HEAD/DESIGNEE

09-01-2020
DATE


SIGNATURE OF PURCHASING DIRECTOR

9-3-20
DATE


SIGNATURE OF CHIEF FINANCIAL OFFICER

9/2/2020
DATE



Monthly Activity Summary

August 2020

- **Assessment Areas:**
 - Hazelwood: cost \$2,727,241 / paid \$1,976,750 / remaining \$750,461
 - Oakland: cost \$881,876 / paid \$271,150 / remaining \$610,726
- Gas System distributed 273.8 million cubic feet and averaged 9.1 million cubic feet per day. That represents approximately 13.8 percent of the system's daily capacity.
- Water Plant pumped 589 million gallons of treated water into the system and averaged 19 million gallons per day. That represents approximately 67 percent of the plant's capacity.
- Wastewater Plant treated 399 million gallons of sewage and averaged 12.8 million gallons per day. That represents approximately 51 percent of the plant's capacity.
- The call center handled 13,176 calls and averaged 425 per day. Each call lasted an average of 3 minutes and 05 seconds.
- Service Department completed 5,760 work orders and responded to 296 after hour calls.
- Gas Division installed 43 new services totaling 3,917 feet of pipe and responded to 49 natural gas odor calls.
- Water Division repaired 55 water leaks totaling 693 feet of pipe, flushed 635 hydrants, and tested 706 backflow devices.
- Sewer Division made 32 point repairs totaling 407 feet of pipe, cleaned 15,397 feet of pipe, and reported 16 sewer overflows.
- Engineering Department approved 14 utility plans this month and currently has 36 on-going projects.
- Billing Department read 102,632 meters and sent a total of 93,271 bills and notices.

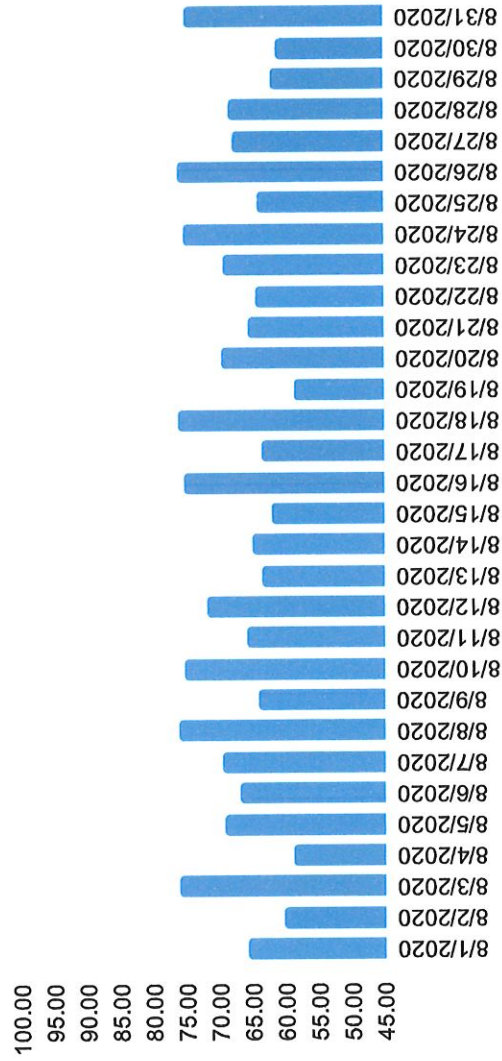
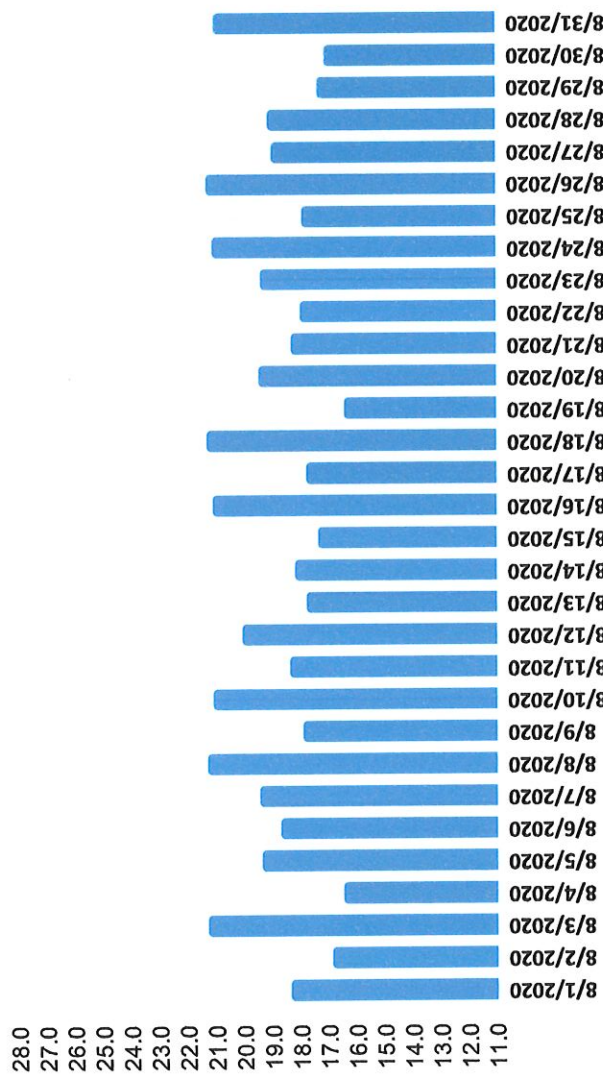
DATE	TOTALS IN MGD	DATE	% of Total Capacity Based on 28 MGD
8/1/2020	18.4	8/1/2020	65.71
8/2/2020	16.9	8/2/2020	60.36
8/3/2020	21.3	8/3/2020	76.07
8/4/2020	16.5	8/4/2020	58.93
8/5/2020	19.4	8/5/2020	69.29
8/6/2020	18.7	8/6/2020	66.79
8/7/2020	19.5	8/7/2020	69.64
8/8/2020	21.3	8/8/2020	76.07
8/9/2020	17.9	8/9/2020	63.93
8/10/2020	21.1	8/10/2020	75.36
8/11/2020	18.4	8/11/2020	65.71
8/12/2020	20.1	8/12/2020	71.79
8/13/2020	17.8	8/13/2020	63.57
8/14/2020	18.2	8/14/2020	65.00
8/15/2020	17.4	8/15/2020	62.14
8/16/2020	21.1	8/16/2020	75.36
8/17/2020	17.8	8/17/2020	63.57
8/18/2020	21.3	8/18/2020	76.07
8/19/2020	16.4	8/19/2020	58.57
8/20/2020	19.5	8/20/2020	69.64
8/21/2020	18.3	8/21/2020	65.36
8/22/2020	18.0	8/22/2020	64.29
8/23/2020	19.4	8/23/2020	69.29
8/24/2020	21.1	8/24/2020	75.36
8/25/2020	17.9	8/25/2020	63.93
8/26/2020	21.3	8/26/2020	76.07
8/27/2020	19.0	8/27/2020	67.86
8/28/2020	19.1	8/28/2020	68.21
8/29/2020	17.4	8/29/2020	62.14
8/30/2020	17.1	8/30/2020	61.07
8/31/2020	21.0	8/31/2020	75.00

Monthly
total

588.6

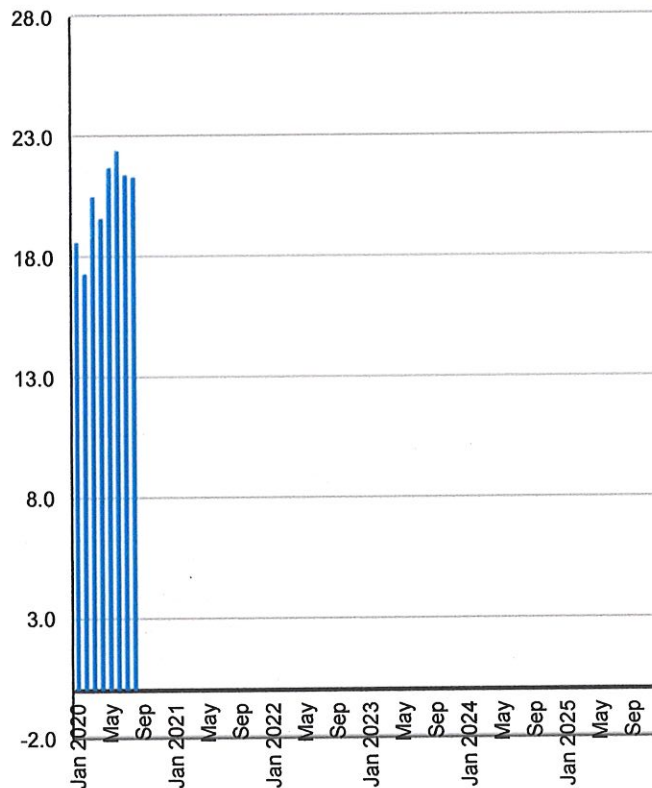
Note: 9 days finished water total greater than 20mgd

Daily Finished Totals MGD

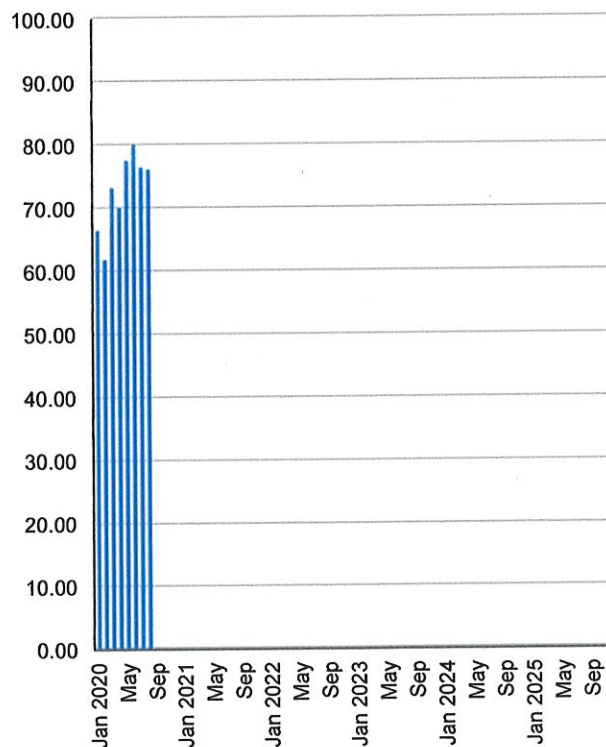


Date	Amt	Date	% of Capacity
Jan 2020	18.6	Jan 2020	66.43
Feb	17.3	Feb	61.79
Mar	20.5	Mar	73.21
Apr	19.6	Apr	70.00
May	21.7	May	77.50
Jun	22.4	Jun	80.00
Jul	21.4	Jul	76.43
Aug	21.3	Aug	76.07
Sep		Sep	0.00
Oct		Oct	0.00
Nov		Nov	0.00
Dec		Dec	0.00
Jan 2021		Jan 2021	0.00
Feb		Feb	0.00
Mar		Mar	0.00
Apr		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

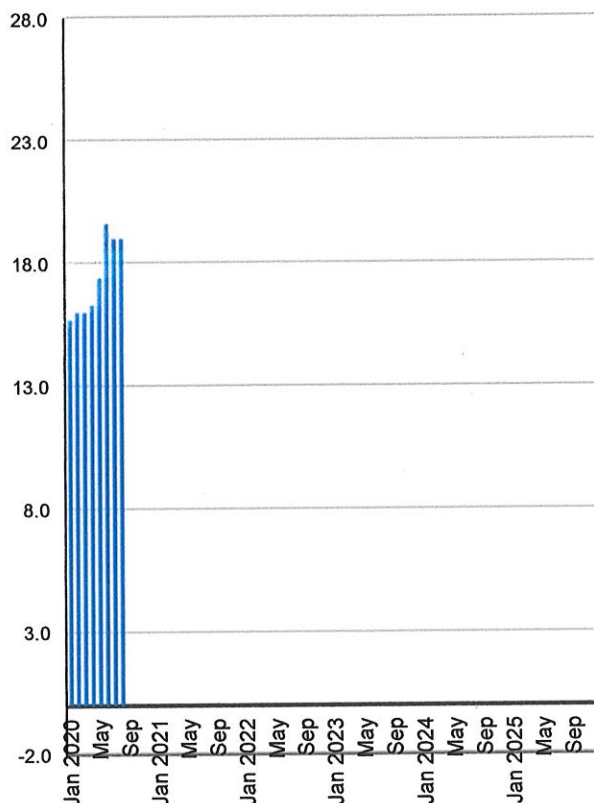


% of Capacity Based on 28 MGD

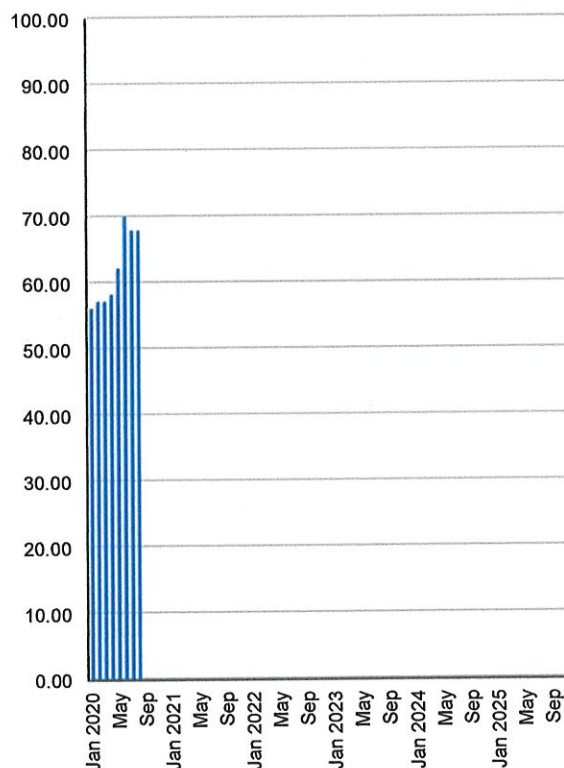


Date	Amt	Date	% of Capacity
Jan 2020	15.7	Jan 2020	56.07
Feb	16.0	Feb	57.14
Mar	16.0	Mar	57.14
Apr	16.3	Apr	58.21
May	17.4	May	62.14
Jun	19.6	Jun	70.00
Jul	19.0	Jul	67.86
Aug	19.0	Aug	67.86
Sep		Sep	0.00
Oct		Oct	0.00
Nov		Nov	0.00
Dec		Dec	0.00
Jan 2021		Jan 2021	0.00
Feb		Feb	0.00
Mar		Mar	0.00
Apr		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 Average Monthly Pumpage



% of Capacity Based on 28 MGD



FINISHED WATER PUMPAGE TOTALS

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Jan.Total	447498	439351	442038	486007	472836	460298	471709	542638	506802	487760
Aver.	14435	14173	14259	15678	15253	14848	15216	17504	16348	15734
Max	16217	16208	17032	18977	18841	17349	19091	19678	19667	18650
Min	12888	12075	12695	11548	13616	12928	14348	14683	13896	12889
Feb.Total	400455	406621	400164	424980	431331	420563	418523	450030	467133	464620
Aver.	14302	14021	14292	15178	15405	14502	14947	16073	16683	16021
Max	16869	16385	17101	17883	17659	15791	16453	19679	19919	17301
Min	12725	12006	10627	12956	13342	13145	13507	14057	13710	14832
Mar.Total	433918	458407	443135	454724	459349	442712	462775	488427	499251	498790
Aver.	13997	14787	14295	14669	14818	14281	14928	15756	16105	16090
Max	15903	20748	16323	16316	16565	15992	17089	17592	17367	20582
Min	11697	10971	12758	12448	13381	12822	13894	14516	14929	13982
Apr. Total	438167	472623	428845	442935	433816	447902	479548	471571	495905	491542
Aver.	14606	15754	14295	14765	14461	14930	15985	15719	16530	16385
Max	17045	19906	16049	17251	15936	16785	19424	17634	19477	19679
Min	12287	13825	12472	13031	12702	12521	14464	13683	14140	13942
May Total	479606	518962	469221	494881	502787	484014	508673	535251	550304	541075
Aver.	15471	16741	15136	15964	16219	15613	16409	17266	17752	17454
Max	18497	20470	17712	19461	18671	19413	19500	20201	21385	21754
Min	12293	12189	12710	13064	14687	13917	13724	14348	14204	15033
Jun. Total	516150	568593	484809	500530	505360	536245	525289	554301	539759	588876
Aver.	17205	18953	16160	16684	16846	17875	17510	18477	17992	19629
Max	21276	24850	18416	20717	19306	20660	24870	21444	21454	22442
Min	14264	13858	13442	14133	14050	15630	14988	15308	14700	16334
Jul. Total	565235	543355	503624	572496	544235	519632	571991	583935	569783	590407
Aver.	18233	17528	16246	18468	17556	16762	19451	18837	18380	19045
Max	20922	21568	19079	21348	21555	19407	21680	22472	21198	21487
Min	15895	14232	12996	14926	14673	14985	15287	13853	16212	15643
Aug.Total	582647	530106	501432	559563	547126	529644	566204	595380	584399	589997
Aver.	18795	17100	16175	18050	17649	17085	18265	19206	18852	19032
Max	20941	19035	20145	21121	20033	19451	22100	22024	21852	21359
Min	16508	15105	14013	13566	14503	14785	15658	15318	15235	16443
Sep.Total	476653	465948	494484	527302	508650	532147	530559	569190	605709	
Aver.	15888	15532	16483	17577	16955	17738	17685	18973	20190	
Max	20613	17889	17993	21379	19573	21501	19637	22112	23540	
Min	13447	12729	14365	14851	14245	16104	15576	16342	17485	
Oct. Total	485550	453395	482230	484925	471463	547410	533123	561681	560395	
Aver.	15663	14626	15556	15643	15208	17658	17198	18119	18077	
Max	17406	16734	18514	18115	16803	20503	19507	20803	21149	
Min	13205	12269	12424	13993	13337	15408	14485	15333	14001	
Nov.Total	434396	442808	442786	443208	427852	501075	490630	496859	506448	
Aver.	14480	14760	14760	14774	14262	16703	16354	16562	16882	
Max	15965	17735	16254	16718	15879	19499	18381	19630	19775	
Min	12780	12435	13360	13207	12336	13700	13825	14615	14275	
Dec.Total	438600	431342	463552	453064	442384	475697	497194	504637	492948	
Aver.	14148	13914	14953	14615	14270	15345	16039	16279	15902	
Max	16409	17507	20904	16055	16082	17226	17728	19829	17795	
Min	12577	10650	12206	13421	12787	13516	13355	13897	13962	
Yr. Total	5698875	5731511	5556320	5844615	5747189	5897339	6056218	6353900	6378836	4253067
Yr. Aver.	15613	15659	15222	16013	15746	16113	16592	17408	17476	
Peak Day	21276	24850	20904	21379	21555	21501	24870	22472	23540	

Monthly Bypass / Overflow Report												
System:	Wastewater Collection System							County:	Montgomery			
Month:	August	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:							
T	12		161 Kraft MH # 13081	2:00PM	2:30PM	unknown	heavy rainfall, tissue around manhole after rain event					
T	12		Heritage estates LS	2:00PM	2:20PM	2,000	heavy rainfall, rain event stopped, spread lime					
T	12		Middleton place MH # 7680	2:30PM	4:00PM	9,000	heavy rainfall, rain event stopped, vaced up sewer					
U	12		1901 Madison st MH # 4203	6:15PM	7:25PM	140	mainline blockage, unstopped mainline					
U	13		Commerce st line segment # 18882	8:00AM/ 4th	12:00PM/ 13th	30	service line tied into storm sewer combo. Storm sewer combo seperated, service line hooked to sewer main					
T	28		Ringgold RD LS MH#18275	4:10PM	5:10PM	1,000	heavy rainfall, rain event stopped					
T	29		Ringgold RD LS MH#18275	4:50PM	7:10PM	2,000	heavy rainfall, rain event stopped					
T	31		Ringgold RD LS MH#18275	7:25AM	8:25AM	2,000	heavy rainfall, rain event stopped					
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>
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%
November	2019	28,678	71,703	100,381	99.88%
October	2019	28,672	71,447	100,119	99.92%
September	2019	28,605	71,329	99,934	99.92%
August	2019	28,577	71,166	99,743	99.93%
12 Month Total		374,469	939,503	1,313,972	99.91%

SERVICE DEPARTMENT

		<u>Service Orders</u>	<u>After Hours Calls</u>
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
November	2019	4465	391
October	2019	4778	436
September	2019	4995	361
August	2019	5456	414
12 Month Total		57,735	4,114