



GAS & WATER COMMITTEE AGENDA

DATE: June 20, 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: March 28, 2019, April 25, 2019

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 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.
5. Sale of Surplus Property for the months of April & May, 2019 - \$1,731.00 – Camille Thomas (attached)
6. Department Reports – Mark Riggins (attached)

V. COMMITTEE ACTION REQUIRED

VI. CITY COUNCIL ACTION REQUIRED

1. **ORDINANCE 1-2019-20** Accepting the donation of property for the HSC Water Tank. - Mark Riggins (Attached)

2. **ORDINANCE 2-2019-20** Authorizing purchase of property at 111 Cunningham Lane for the City of Clarksville Gas & Water Department North Service Center. – Mark Riggins (attached)
3. **ORDINANCE 3-2019-20** Authorizing purchase of property at Fort Campbell Boulevard for Meadowbrook Sewer Pump Station. – Mark Riggins (attached)

VII. ADJOURNMENT

VIII. PUBLIC COMMENTS (5 minutes each)



**GAS & WATER COMMITTEE MEETING
MINUTES
April 25, 2019**

City Hall Conference Room
3:45 p.m.

MEMBERS PRESENT

Chairman Valerie Guzman, Ron Erb

MEMBERS ABSENT

David Allen, Tim Chandler

OTHERS PRESENT

Mark Riggins, Dawn Thomack, Katina Spainhoward, Stephanie Fox, Mandy Phillips

The meeting was called to order at 3:50 p.m. by Chairman Valerie Guzman announcing no meeting quorum.

Minutes for the March 28, 2019 Committee Meeting will be forwarded to the May committee meeting due to the lack of a quorum.

Bad Debt was reported by Dawn Thomack by explaining the write-off report for the month of March 2019.

Dawn Thomack also reported the Financials for the month of March 2019.

Katina Spainhoward reported the Bid-Summary for the month.

Katina Spainhoward also reported the following professional services:

- G&W - Meriwether Road & Trenton Road Utility Relocation for Roadway Improvements from McKay-Burchett & Co. LLC in the amount of \$10,000.00.
- G&W - Fee Increase for the Relocation of Utilities for the Street Department's Road Widening & Realignment of Rossview Road from DBS & Associates in the increased amount of \$32,438.75 for a total contract price not to exceed \$191,526.31.
- G&W - Fee Increase for the Miscellaneous Real Estate Appraisals from Mark Young Real Estate Appraisals in the increased amount of \$25,000.00 for a total contract price not to exceed \$50,000.00.

Sale of surplus property on GovDeals.com for the month of March, 2019 totaling \$39,335.00 was reported by Katina Spainhoward.

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

Mark Riggins and the committee discussed and agreed to change the committee meeting date to the Thursday before the F&A Committee Meeting at 3:45 p.m.

Mark Riggins informed the committee of the approval by the F&A Committee of two new positions for Customer Service Representatives.

Mark Riggins also informed the committee of the approval by the F&A Committee for an appraisal of land along Fort Campbell Boulevard to construct an equalization tank for the Meadowbrook Sewer Lift Station truck line project.

The following Ordinances were forwarded on to full City Council without Committee approval due to the lack of a quorum:

ORDINANCE 53-2018-19 Authorizing extension of City of Clarksville utility services to property located at 1621 Dunlop Lane; request of Ben Stanley.

ORDINANCE 56-2018-19 Accepting donation of certain real property from Progress Properties, LLC, for the Progress Drive Pump Station.

ORDINANCE 57-2018-19 Accepting donation of certain real property from Rossview Farms, LLC, for the Victoria Ridge Pump Station.

ORDINANCE 58-2018-19 Accepting donation of certain real property from Holly Point, LLC, for the Easthaven Pump Station.

ORDINANCE 59-2018-19 Accepting donation of certain real property from Magnolia Drive Partnership for the Sango Mills Pump Station.

ORDINANCE 60-2018-19 Accepting donation of certain real property from Betty D. Maynard for the Ivy Bend Pump Station.

ORDINANCE 61-2018-19 Accepting donation of certain real property from C. D. Baggett Family Limited Partnership for the Brownsville Pump Station.

ORDINANCE 62-2018-19 Accepting donation of certain real property from CLC Hidden Springs for the Hidden Springs Pump Station.

Meeting was adjourned at 4:09 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
Jun-18	\$ 15,641.80	83	\$ 188.46	\$ 2,838.93	\$ 9,580.63	83	\$ 115.43
Jul-18	\$ 8,672.23	69	\$ 125.68	\$ 3,358.64	\$ 8,883.26	72	\$ 123.38
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
	\$ 159,469.83	1006	\$ 158.52	\$ 34,060.16	\$ 126,853.73	913	\$ 138.94

21.36%

CGW Water Department
May, 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	1,691,533	1,899,583	(208,050)	19,901,134	20,895,417	(994,283)
Penalties	25,493	27,500	(2,007)	308,903	302,500	6,403
Other Income	289,752	222,083	67,668	2,757,421	2,442,917	314,504
Gross Revenue	2,006,778	2,149,167	(142,389)	22,967,458	23,640,833	(673,376)
Water Plant	300,548	318,728	18,180	3,505,154	3,506,007	853
Water Transmission	388,938	418,666	29,728	4,373,005	4,605,321	232,315
Water Administration	29,348	33,507	4,159	338,552	368,576	30,024
Customer Service	283,384	247,629	(35,755)	2,756,516	2,723,919	(32,597)
Accounting	39,520	46,271	6,751	540,233	508,981	(31,252)
Engineering	88,244	96,058	7,814	909,950	1,056,643	146,692
Admin & General	51,606	51,488	(118)	590,185	566,370	(23,815)
Other Expenses	11,025	10,583	(442)	129,446	116,417	(13,030)
Depreciation	486,434	529,583	43,150	5,264,554	5,825,417	560,863
Total Operating Expenses	1,679,048	1,752,514	73,466	18,407,596	19,277,649	870,053
Income from Operations	327,730	396,653	(68,923)	4,559,862	4,363,184	196,678
Interest Income	60,764	50,333	10,431	600,338	553,667	46,671
Other Income (Expense)	27	2,500	(2,473)	91,475	27,500	63,975
Interest Expense	(89,118)	(106,040)	16,922	(1,031,292)	(1,166,440)	135,148
Debt Amortization Income	18,124	12,755	5,369	197,942	140,305	57,637
PILOT	(81,830)	(81,830)	0	(900,125)	(900,125)	0
Total Other Income (Expense)	(92,033)	(122,281)	30,248	(1,041,662)	(1,345,093)	303,431
Total Income / (Loss)	235,697	274,372	(38,674)	3,518,200	3,018,091	500,109
Capital Spend	282,900	1,022,000	739,100	1,969,931	11,212,000	9,242,069
Contributed Capital - Cash	-	-	-	65,062	-	65,062
Contributed Capital - Non-Cash	1,226,743	625,000	601,743	5,739,012	6,875,000	(1,135,988)

CGW Wastewater Department
May, 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	2,722,414	3,099,717	(377,303)	33,251,341	34,096,883	(845,542)
Penalties	45,935	47,917	(1,982)	536,390	527,083	9,306
Other Income	325,332	202,103	123,229	2,880,020	2,223,137	656,883
Gross Revenue	3,093,681	3,349,737	(256,056)	36,667,750	36,847,103	(179,353)
Wastewater Plant	357,633	374,578	16,945	4,046,101	4,120,355	74,255
Wastewater Collection	391,587	502,711	111,125	5,287,353	5,529,823	242,470
Wastewater Administration	47,890	44,630	(3,260)	547,031	490,929	(56,102)
Customer Service	145,497	153,057	7,560	1,719,892	1,683,625	(36,267)
Accounting	46,151	51,603	5,452	579,376	567,635	(11,741)
Engineering	88,615	99,905	11,290	1,151,736	1,098,956	(52,780)
Admin & General	51,398	51,357	(41)	588,144	564,922	(23,222)
Other Expenses	11,086	10,583	(502)	127,614	116,417	(11,198)
Depreciation	992,679	984,667	(8,013)	10,896,798	10,831,333	(65,465)
Total Operating Expenses	2,132,535	2,273,091	140,556	24,944,045	25,003,996	59,950
Income from Operations	961,146	1,076,646	(115,500)	11,723,705	11,843,108	(119,403)
Interest Income	48,564	37,750	10,814	459,264	415,250	44,014
Other Income (Expense)	(27)	1,500	(1,527)	36,320	16,500	19,820
Interest Expense	(615,844)	(643,388)	27,544	(6,989,087)	(7,077,263)	88,176
Debt Amortization Income	103,446	126,493	(23,047)	1,324,613	1,391,427	(66,813)
PILOT	(192,727)	(192,727)	0	(2,119,995)	(2,119,995)	(0)
Total Other Income (Expense)	(656,587)	(670,371)	13,784	(7,288,885)	(7,374,081)	85,196
Total Income / (Loss)	304,559	406,275	(101,716)	4,434,820	4,469,027	(34,207)
Capital Spend	288,845	881,000	592,155	1,507,883	6,073,000	4,565,117
Contributed Capital - Cash	-	-	-	15,838	-	15,838
Contributed Capital - Non-Cash	372,210	583,333	(211,123)	3,970,455	6,416,667	(2,446,211)

CGW Gas Department
May, 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	1,579,943	1,926,543	(346,600)	25,615,193	24,675,585	939,608
Penalties	15,112	5,000	10,112	213,218	55,000	158,218
Other Income	71,802	84,820	(13,018)	1,125,741	933,020	192,721
Gross Revenue	1,666,857	2,016,363	(349,506)	26,954,152	25,663,605	1,290,547
Cost of Gas	678,088	1,209,026	530,938	15,566,074	15,535,156	(30,918)
Gas Distribution	201,610	201,245	(365)	2,134,102	2,213,699	79,596
Gas Administration	119,195	194,905	75,710	2,028,341	2,143,955	115,614
Ft. Campbell Operations	38,057	38,665	607	437,496	425,311	(12,184)
Customer Service	87,877	106,041	18,164	1,060,435	1,166,455	106,019
Accounting	92,485	47,182	(45,303)	581,808	519,000	(62,808)
Engineering	39,099	42,833	3,734	441,552	471,164	29,612
Admin & General	51,354	51,326	(28)	585,682	564,589	(21,094)
Other Expenses	10,236	9,750	(486)	118,037	107,250	(10,787)
Depreciation	147,771	148,167	396	1,605,684	1,629,833	24,150
Total Operating Expenses	1,465,772	2,049,140	583,369	24,559,212	24,776,412	217,200
Income from Operations	201,085	(32,777)	233,862	2,394,941	887,193	1,507,747
Interest Income	48,929	37,017	11,912	455,402	407,183	48,219
Other Income (Expense)	0	1,500	(1,500)	74,530	16,500	58,030
Interest Expense	(17,839)	(22,839)	5,000	(207,354)	(251,231)	43,876
Debt Amortization Income	3,982	3,212	770	45,153	35,328	9,825
PILOT	(57,896)	(57,896)	(0)	(636,858)	(636,858)	0
Total Other Income (Expense)	(22,824)	(39,007)	16,183	(269,127)	(429,077)	159,950
Total Income / (Loss)	178,261	(71,784)	250,045	2,125,813	458,116	1,667,697
Capital Spend	131,230	315,000	183,770	771,924	3,234,000	2,462,076
Contributed Capital - Cash	-	-	-	91,083	-	91,083

FY 2019 Debt Coverage

May, 2019

YTD Net Revenue through
Fiscal Period

11

	<u>Actual</u>
System Gross Revenue	\$ 86,589,360
System Operating Expenses	<u>67,910,853</u>
	18,678,508
Add: Depreciation Expense	17,767,036
Other Revenue (Expense)	<u>1,717,329</u>
Net Revenues	\$ 38,162,872

Debt Coverage Ratio	2.06
Debt Coverage Ratio Goal	1.70
Last Years Coverage Ratio	2.04

>2.00 = Aaa rating

1.70-2.00 = Aa rating

Debt to Operation Revenue Ratio

May, 2019

FY 2019 Budget

Total Debt	\$ 210,708,802
Operating Revenue	\$ 94,461,120
Debt/Operating Revenue	2.23

FY 2018 Actual

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

FY 2017 Actual

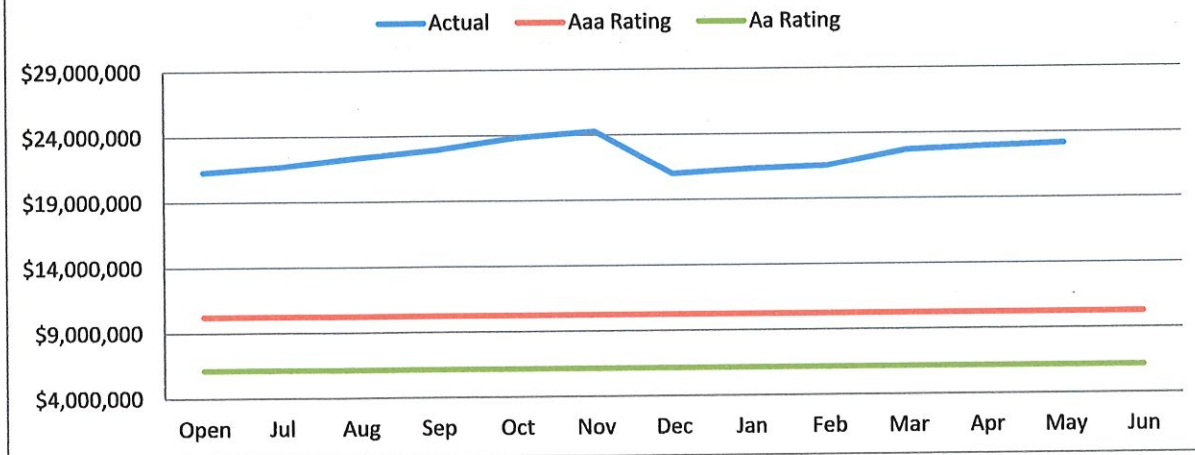
Total Debt	\$ 250,788,679
Operating Revenue	\$ 83,911,143
Debt/Operating Revenue	2.99

<2.00 = Aaa

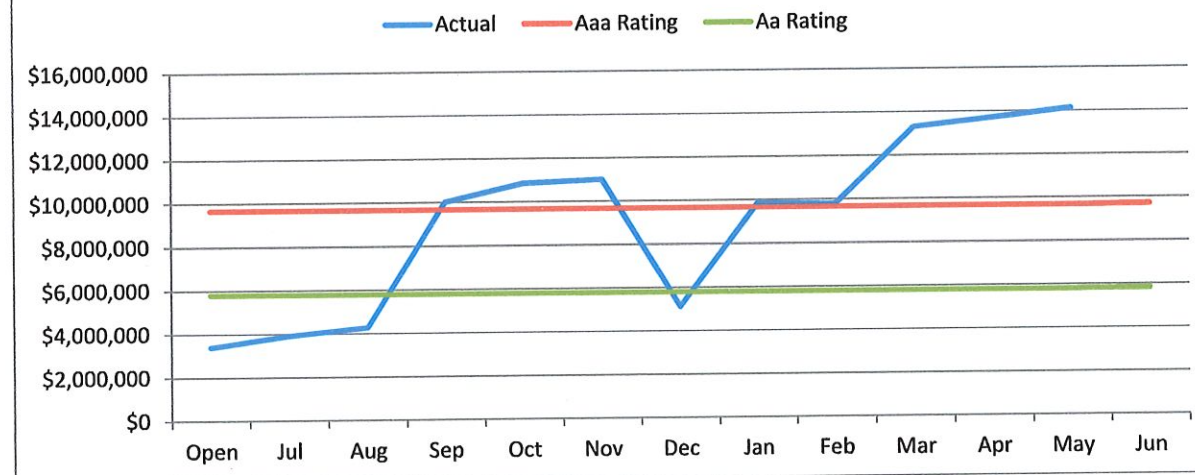
2.00 - 4.00 = Aa

Clarksville Gas & Water FY 2019

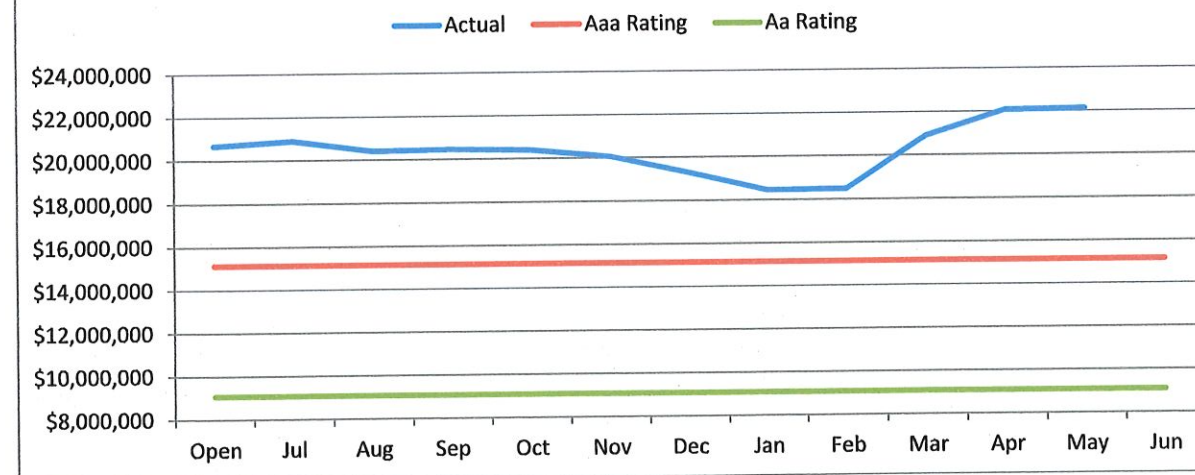
FY 2019 Available Cash - Water



FY 2019 Available Cash - Wastewater



FY 2019 Available Cash - Gas



**GAS & WATER DEPARTMENT
BID SUMMARY
JUNE 20, 2019**

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

<u>BID #</u>	<u>DESCRIPTION</u>	<u>AWARDED TO</u>	<u>AMOUNT</u>
3927	4 Water Main Improvements	Moore Construction	\$ 614,455.00
3955	Mowing/Landscaping	LSI	\$0.02728384sq./yd.
3956	Lockwing Gas Stops	G&C Supply	\$ 36,880.00
3957	Municipex Service Pipe	G&C Supply	See Attached
3958	Manhole Frame & Covers And Paving Ext. Rings	Southern Pipe	\$ 99,680.50
3959	50% Liquid Citric Acid	Brenntag Mid-South	\$ 4.855 per gal
3964	Quazite PG Style Polymer Concrete Water Main Boxes and Replacement Lids	Hayes Pipe	\$ 335,990.55

SOLE SOURCE PURCHASES:

1. Future purchases of Foxboro Field Devices from Centro, Inc.
2. Future purchases of Mueller Gas pipeline tapping & stopping equipment from Consolidated Pipe & Supply.
3. Future purchases and service of TDW pipeline tapping & stopping equipment from S.J. Patterson Company LLC.

Bid # 3927 – 4 Water Main Improvements:

Moore Construction	\$ 614,455.00*
SBW Construction	No Response
Scott & Ritter	No Response

Bid # 3955– Mowing / Landscaping:

LSI	\$ 0.02728384 sq. /yd.*
Karnes Lawn Care	\$ 0.0097sq./yd.**
Affordable Lawn & Landscaping	\$ 0.0299 sq. /yd.
Traylor Lawn Care	No Response
Lee & Sons	No Response
TBT Construction	No Response
Dawson Swifts Lawn Service	No Response
Griffy Landscape Maintenance	No Response
Hamaker Lawn & Landscaping	No Response
E&E Lawn Service	No Response
Logan Lawn Care	No Response

Boyd's Landscaping	No Response
Logan's Lawn Care	No Response
Paul Jr. Enterprises LLC	No Response
Shields Lawn Care	No Response
Barry's Mowing	No Response
Underdog Construction	No Response
Henderson's Landscape Maintenance	No Response
Incredible Lawn Care & Landscaping	No Response
Register Construction	No Response
Cameron's Mowing Plus	No Response
M&W Lawn Care	No Response
A&H Lawn Service	No Response
Premier Landscaping	No Response
Kahle Enterprises	No Response
Beard Property Maintenance	No Response
Anderson Lawn Care	No Response
Travis Lawns	No Response
Nathan's Mowing	No Response
WI Mid 10 Lawn	No Response
Michael's Lawn Care & More	No Response
5 Star Lawn Management	No Response

** Did not view properties before bidding.

Bid # 3956-- Lockwing Gas Stops:

G&C Supply	\$ 36,880.00*
General Utilities Pipe & Supply	\$ 29,635.75**
AY McDonald	\$ 34,338.40**
Consolidated Pipe & Supply	\$ 60,884.25
MT Deason Co.	No Bid
Ferguson Waterworks	No Response
CGS	No Response
Kerotest Manufacturing	No Response
McJunkin Red Man	No Response

** Did not bid all items.

Bid # 3957-- Municipex Service Pipe:

G&C Supply	See Attached*
CI Thornburg Co.	See Attached
Consolidated Pipe & Supply	See Attached
Fortiline Waterworks	See Attached
Ferguson Waterworks	See Attached
Core & Main	See Attached
Hayes Pipe & Supply	See Attached
Southern Pipe & Supply	See Attached
Kenny Pipe & Supply	No Bid

General Utilities Pipe & Supply	No Response
Macomb Pipe & Supply	No Response

Bid # 3958-- Manhole Frames & Covers and Paving Ext. Rings:

Southern Pipe & Supply	\$ 99,680.50*
Fortiline Waterworks	\$ 100,078.40
Consolidate Pipe & Supply	\$ 104,330.00
G&C Supply	\$ 105,306.00
Ferguson Waterworks	\$ 107,575.00
ICM	\$ 122,090.00
Hayes Pipe & Supply	\$ 184,080.00
HD Supply	No Response

Bid # 3959-- 50% Liquid Citric Acid:

Brenntag Mid-South	\$ 4.855 per gal*
CoreChem, Inc.	\$ 4.93 per gal.
Univar	\$ 5.09 per gal.
Shannon Chemical Corp.	\$ 5.73 per gal.
Allied Universal Corp.	No Bid
GEO Specialty Chemicals	No Bid
America Development Corporation	No Bid
Specialty Chemical Company	No Bid
Source Technologies	No Response
Kemira Water Solutions Inc.	No Response
Industrial Chemicals Inc.	No Response
US Peroxide LLC	No Response
Siemens Industry Inc.	No Response
Taylor Chemical Group	No Response
Mosaic Crop Nutrition	No Response
Chemco. Industries Inc.	No Response
Gulbrandsen technologies Inc.	No Response
Premier Magnesia LLC	No Response
Aulick Chemical Solutions	No Response
Solenis LLC	No Response
Oxbow Activated Carbon LLC	No Response
Harcros Chemical	No Response
Hawkins	No Response

Bid # 3964 -- Quazite PG Style Polymer Concrete Water Boxes & Replacement Lids:

Hayes Pipe & Supply	\$ 335,990.55*
Ferguson Enterprises	\$ 372,390.40
Southern Pipe & Supply	\$ 758,823.60
G&C Supply	No Bid
Core & Main	No Bid
Consolidated Pipe & Supply	No Response
Kenny Pipe & Supply	No Response

CI Thornburg Co.	No Response
General Utilities Pipe & Supply	No Response
Inman & Associates Inc.	No Response
Volunteer Utility Sales Inc.	No Response
Construction Site Services	No Response

*Department Recommendation

G & C Supply CO, Inc

BID PRICE QUOTATIONS:

ITEM/QTY	DESCRIPTION	COST PER FOOT
¾ in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$ <u>.71</u>
¾ in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$ <u>.71</u>
¾ in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$ <u>.71</u>
1 in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$ <u>1.02</u>
1 in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$ <u>1.02</u>
1 in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$ <u>1.02</u>
2 in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$ <u>6.20</u>
2 in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$ <u>6.20</u>
2 in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$ <u>6.20</u>
4000	¾" Plastic ABS Code PA-757 NSF-61 Certification Insert Stiffeners for Municipex Pipe	.35
2000	1" Plastic ABS Code PA-757 NSF-61 Certification Insert Stiffeners Inserts for Municipex Pipe	.45
100	2" 304 Stainless Steel Insert Stiffeners for Municipex Pipe	2.05

List Any Exceptions*:

*Exceptions may constitute nullification of Vendor's bid.

CI Thornburg Co., Inc

BID PRICE QUOTATIONS:

ITEM/QTY	DESCRIPTION	COST PER FOOT
¾ in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$ <u>.70</u>
¾ in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$ <u>.70</u>
¾ in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$ <u>.70</u>
1 in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$ <u>1.06</u>
1 in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$ <u>1.06</u>
1 in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$ <u>1.06</u>
2 in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$ <u>6.60</u>
2 in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$ <u>6.60</u>
2 in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$ <u>6.60</u>
4000	<u>¾" Plastic ABS Code PA-757 NSF-61 Certification Insert Stiffeners for Municipex Pipe</u>	
2000	<u>1" Plastic ABS Code PA-757 NSF-61 Certification Insert Stiffeners Inserts for Municipex Pipe</u>	
100	<u>2" 304 Stainless Steel Insert Stiffeners for Municipex Pipe</u>	

List Any Exceptions*:

*Exceptions may constitute nullification of Vendor's bid.

CONSOLIDATED PIPE

BID PRICE QUOTATIONS:

QAB

ITEM/QTY	DESCRIPTION	COST PER FOOT	
¾ in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$.95'	95.00
¾ in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$.95'	285.00
¾ in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$.95'	475.00
1 in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$ 1.45'	145.00
1 in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$ 1.45'	435.00
1 in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$ 1.45'	725.00
2 in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$ 8.85'	885.00
2 in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$ 8.85'	2655.00
2 in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$ 8.85'	4425.00
4000	<u>¾" Plastic ABS Code PA-757 NSF-61 Certification Insert Stiffeners for Municipex Pipe</u>		
2000	<u>1" Plastic ABS Code PA-757 NSF-61 Certification Insert Stiffeners Inserts for Municipex Pipe</u>		
100	<u>2" 304 Stainless Steel Insert Stiffeners for Municipex Pipe</u>		
List Any Exceptions*:	¾" INSERT	.25	1000.00
	1" INSERT	.28	560.00
	2" INSERT	1.65	165.00

*Exceptions may constitute nullification of Vendor's bid.

Fortline

BID PRICE QUOTATIONS:

ITEM/QTY	DESCRIPTION	COST PER FOOT
¾ in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	<u>\$.94</u>
¾ in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	<u>\$.94</u>
¾ in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	<u>\$.94</u>
1 in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	<u>\$ 1.41</u>
1 in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	<u>\$ 1.41</u>
1 in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	<u>\$ 1.41</u>
2 in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	<u>\$ 8.76</u>
2 in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	<u>\$ 8.76</u>
2 in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	<u>\$ 8.76</u>
4000	¾" Plastic ABS Code PA-757 NSF-61 Certification Insert Stiffeners for Municipex Pipe	\$1.28
2000	1" Plastic ABS Code PA-757 NSF-61 Certification Insert Stiffeners Inserts for Municipex Pipe	\$1.78
100	2" 304 Stainless Steel Insert Stiffeners for Municipex Pipe	\$2.85

List Any Exceptions*:

*Exceptions may constitute nullification of Vendor's bid.

BID PRICE QUOTATIONS:

ITEM/QTY	DESCRIPTION	COST PER FOOT
¾ in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$.64
¾ in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$.64
¾ in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$.64
1 in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$.95
1 in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$.95
1 in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$.95
2 in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$ 5.96
2 in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$ 5.96
2 in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$ 5.96
4000 ¾" 304 SS	ABS Code PA-757 NSF-61 Certification Insert Stiffeners for Muncipex Pipe	\$ 1.42 ^{ea}
2000 1" 304 SS	ABS Code PA-757 NSF-61 Certification Insert Stiffeners Inserts for Muncipex Pipe	\$ 1.50 ^{ea}
100 2" 304	Stainless Steel Insert Stiffeners for Muncipex Pipe	\$ 2.10 ^{ea}

List Any Exceptions*:

The cost on the inserts
are cost on SS inserts.

Per: Mike McMillan

David Schack

*Exceptions may constitute nullification of Vendor's bid.

Core & Main

BID PRICE QUOTATIONS:

ITEM/QTY	DESCRIPTION	COST PER FOOT
¾ in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$ <u>0.90</u>
¾ in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$ <u>0.90</u>
¾ in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$ <u>0.90</u>
1 in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$ <u>1.35</u>
1 in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$ <u>1.35</u>
1 in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$ <u>1.35</u>
2 in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$ <u>8.40</u>
2 in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$ <u>8.40</u>
2 in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$ <u>8.40</u>
4000	¾" Plastic ABS Code PA-757 NSF-61 Certification Insert Stiffeners for Municipex Pipe	.26/ea
2000	1" Plastic ABS Code PA-757 NSF-61 Certification Insert Stiffeners Inserts for Municipex Pipe	.26/ea
100	2" 304 Stainless Steel Insert Stiffeners for Municipex Pipe	2.20/ea

List Any Exceptions*:

*Exceptions may constitute nullification of Vendor's bid.

BID PRICE QUOTATIONS:

Hayes & Pipe Supply

ITEM/QTY	DESCRIPTION	COST PER FOOT
¾ in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$ <u>1.00</u>
¾ in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$ <u>1.00</u>
¾ in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$ <u>1.00</u>
1 in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$ <u>1.50</u>
1 in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$ <u>1.50</u>
1 in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$ <u>1.50</u>
2 in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$ <u>9.55</u>
2 in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$ <u>9.55</u>
2 in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$ <u>9.55</u>
4000	¾" Plastic ABS Code PA-757 NSF-61 Certification Insert Stiffeners for Municipex Pipe	\$.32/EA
2000	1" Plastic ABS Code PA-757 NSF-61 Certification Insert Stiffeners Inserts for Municipex Pipe	\$.38/EA
100	2" 304 Stainless Steel Insert Stiffeners for Municipex Pipe	\$ 2.27/EA

List Any Exceptions*:

*Exceptions may constitute nullification of Vendor's bid.

BID PRICE QUOTATIONS:*Southern Pipe & Supply*

ITEM/QTY	DESCRIPTION	COST PER FOOT
¾ in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$ <u>.90</u>
¾ in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$ <u>.90</u>
¾ in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$ <u>.90</u>
1 in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$ <u>1.35</u>
1 in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$ <u>1.35</u>
1 in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$ <u>1.35</u>
2 in. 100 ft. coil (30.5m)	MUNICIPEX® Pipe	\$ <u>8.40</u>
2 in. 300 ft. coil (91.4 m)	MUNICIPEX® Pipe	\$ <u>8.40</u>
2 in. 500 ft. coil (152.4 M)	MUNICIPEX® Pipe	\$ <u>8.40</u>
4000	¾" Plastic ABS Code PA-757 NSF-61 Certification Insert Stiffeners for Municipex Pipe	.23
2000	1" Plastic ABS Code PA-757 NSF-61 Certification Insert Stiffeners Inserts for Municipex Pipe	.27
100	2" 304 Stainless Steel Insert Stiffeners for Municipex Pipe	1.94

List Any Exceptions*:

*Exceptions may constitute nullification of Vendor's bid.

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	Red River Bridge Pipeline Relocation and/or Rehabilitation at Two Locations -- Consultant will design relocation and/or rehabilitation of natural gas facilities along North Second Street bridge as well as Peachers Mill Road bridge crossing the Red River. Design services will include preparation of specifications, permits and surveying, if needed. In addition, Consultant will provide limited bid and construction phase services.
NAME OF FIRM:	Clark Engineering and Utility Solutions, LLC (Clark Engineering) 325 Mitchell Lane Bollivar, TN 38008
QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:	Mr. Richard Clark, owner of Clark Engineering, has provided specialized natural gas engineering, consulting, and design services to municipalities since 1996 while employed by The Tennergy Corporation and other firms. Clark Engineering utilizes seasoned, licensed professionals to provide overall facilities planning, engineering, and construction administration services. Clark Engineering's staff has extensive experience in providing design services for facilities, including such items as feasibility studies, pipeline extensions, pipeline additions, regulator station capacity ratings, regulator station rehabilitation and new regulator station design, writing and updating of Operation and Maintenance Manuals and Emergency Manuals, bridge and water crossing, and utility line reallocations, and is familiar with all aspects of gas distribution engineering and in meeting regulatory requirements. In addition, Clark Engineering provides master planning services for long-range and short-term projects, including projections, feasibility studies and construction cost estimates, as well as system modeling services.
YEARS OF EXPERIENCE:	23 years (since Aug. 1996) plus 5 years of regulatory experience with TPUC; started CEUS in 2018
SIMILAR PROJECTS PERFORMED FOR THE CITY:	• Gas System Model Development • TDOT SR 13 Relocation (while working for The Tennergy Corp.) • LG Plant Service (while working for The Tennergy Corp.) • Texas Gas Interconnect (while working for The Tennergy Corp.) • Red River Bridge Rehabilitation @ SR374 (while working for The Tennergy Corp.) • O&M Manual Development (while working for The Tennergy Corp.)
SIMILAR PROJECTS PERFORMED ELSEWHERE:	• Jackson Energy Authority -- ANR Interconnect and Pipeline (May 2015) • Elk River PUD -- 2016/2017 Expansion (November 2016) • Athens Utility Board - North Niota City Gate Station (September 2016) • Murray Gas -- Countyline Road HP Steel (July 2017) • Murray Gas -- US 641 KYTC Relocation (July 2017) • Elk River PUD -- 2015 Phase I Extension (July 2015) • Jackson Energy Authority -- TDOT Casey Jones Relocation (June 2016) • Murray Gas -- Potter Town Rd (March 2017) • Fayetteville PU -- TDOT SR-7 Ardmore (March 2017) • Savannah Utilities -- Industrial Park Reg. Station (April 2017) • Brownsville Energy Auth. -- SR 19 TDOT Relocation (January 2017) • Savannah Utilities -- SR 128 Relocation (March 2017) • Athens Utility Board -- SR 30 TDOT Relocation (September 2016) • Athens Utility Board -- North Niota Extension (April 2016) • Brownsville E.A. -- Thomas Street 6" STL (June 2017) • Smyrna -- Jefferson Pike TDOT (June 2017) • Fayetteville PU -- Industrial Park Extension (March 2017)

REQUEST FOR PROFESSIONAL SERVICE

Red River Bridge Pipeline Relocation and Rehabilitation at Two Locations

Clark Engineering & Utility Solutions, LLC

Page 2

OTHER QUALIFICATIONS:	Mr. Richard Clark, owner of Clark Engineering, has provided professional engineering services to CGW, is well experienced in all aspects of gas distribution, engineering as well as meeting regulatory requirements, and has satisfactorily completed numerous projects for CGW in the past.
NAMES OF THOSE INVOLVED IN THE SELECTION (MUST BE 2 OR MORE AND MUST HAVE NO CONFLICT OF INTEREST AS PER PURCHASING POLICY):	Stephanie Howell, PE Mark Riggins
DEPARTMENT WHERE FUNDS ARE BUDGETED:	Clarksville Gas & Water Department

Stephanie Howell 5/10/19
 SIGNATURE OF DEPARTMENT HEAD OF BUDGETARY DEPT. OR HIS/HER DESIGNEE DATE
[Signature] 5/10/19
 SIGNATURES OF OTHERS INVOLVED IN SELECTION DATE
Camille Thomas 5-15-19
 SIGNATURE OF PURCHASING DIRECTOR 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>49,900.-</u>
--	--------------------

Acknowledgement of cost estimate received:

Stephanie Howell 5/17/19
 SIGNATURE OF DEPARTMENT HEAD/DESIGNEE DATE
Camille Thomas 5-21-19
 SIGNATURE OF PURCHASING DIRECTOR DATE
Dawn Thomack 5/20/19
 SIGNATURE OF CHIEF FINANCIAL OFFICER DATE

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	Highway 41-A Gas Pipeline (Pleasant View) -- Consultant will design approximately 9,000 feet of 6-inch PE pipe along Highway 41-A in Pleasant View from Highway 49 to Keri Drive. Design services will include preparation of specifications, surveying and easement descriptions. In addition, Consultant will provide bid-phase services.
NAME OF FIRM:	Clark Engineering and Utility Solutions, LLC (Clark Engineering) 325 Mitchell Lane Bolivar, TN 38008
QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:	Mr. Richard Clark, owner of Clark Engineering, has provided specialized natural gas engineering, consulting, and design services to municipalities since 1996 while employed by The Tennergy Corporation and other firms. Clark Engineering utilizes seasoned, licensed professionals to provide overall facilities planning, engineering, and construction administration services. Clark Engineering's staff has extensive experience in providing design services for facilities, including such items as feasibility studies, pipeline extensions, pipeline additions, regulator station capacity ratings, regulator station rehabilitation and new regulator station design, writing and updating of Operation and Maintenance Manuals and Emergency Manuals, bridge and water crossing, and utility line reallocations, and is familiar with all aspects of gas distribution engineering and in meeting regulatory requirements. In addition, Clark Engineering provides master planning services for long-range and short-term projects, including projections, feasibility studies and construction cost estimates, as well as system modeling services.
YEARS OF EXPERIENCE:	22 years (since Aug. 1996) plus 5 years of regulatory experience with TPUC.
SIMILAR PROJECTS PERFORMED FOR THE CITY:	Mr. Richard Clark, owner of Clark Engineering, has provided engineering services to CGW for multiple projects while working for The Tennergy Corporation, to include: • TDOT SR 13 Relocation • LG Plant Service • Texas Gas Interconnect • Red River Bridge Rehabilitation • O&M Manual Development.
SIMILAR PROJECTS PERFORMED ELSEWHERE:	• Jackson Energy Authority -- ANR Interconnect and Pipeline (May 2015) • Elk River PUD -- 2016/2017 Expansion (November 2016) • Athens Utility Board - North Niota City Gate Station (September 2016) • Murray Gas -- Countyline Road HP Steel (July 2017) • Murray Gas -- US 641 KYTC Relocation (July 2017) • Elk River PUD -- 2015 Phase I Extension (July 2015) • Jackson Energy Authority -- 'TDOT' Casey Jones Relocation (June 2016) • Murray Gas -- Potter Town Rd (March 2017) • Fayetteville PU -- TDOT SR-7 Ardmore (March 2017) • Savannah Utilities -- Industrial Park Reg. Station (April 2017) • Brownsville Energy Auth. -- SR 19 TDOT Relocation (January 2017) • Savannah Utilities -- SR 128 Relocation (March 2017) • Athens Utility Board -- SR 30 TDOT Relocation (September 2016) • Athens Utility Board -- North Niota Extension (April 2016) • Brownsville E.A. -- Thomas Street 6" STL (June 2017) • Smyrna -- Jefferson Pike TDOT (June 2017) • Fayetteville PU -- Industrial Park Extension (March 2017)

REQUEST FOR PROFESSIONAL SERVICE
Highway 41-A Gas Pipeline (Pleasant View)
Clark Engineering and Utility Solutions, LLC

Page 2

OTHER QUALIFICATIONS:	Mr. Richard Clark, owner of Clark Engineering, has provided professional engineering services to CGW, is well experienced in all aspects of gas distribution, engineering as well as meeting regulatory requirements, and has satisfactorily completed numerous projects for CGW in the past.
NAMES OF THOSE INVOLVED IN THE SELECTION (MUST BE 2 OR MORE AND MUST HAVE NO CONFLICT OF INTEREST AS PER PURCHASING POLICY):	Stephanie Burd, PE Mark Riggins
DEPARTMENT WHERE FUNDS ARE BUDGETED:	Clarksville Gas & Water Department

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

10/25/18
DATE

[Signature]
SIGNATURES OF OTHERS INVOLVED IN SELECTION

10/25/18
DATE

Carmel Thomas
SIGNATURE OF PURCHASING DIRECTOR

11-2-18
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>48,000.00</u>
--	---------------------

Acknowledgement of cost estimate received:

Stephanie Howell
SIGNATURE OF DEPARTMENT HEAD/DESIGNEE

5/10/19
DATE

Carmel Thomas
SIGNATURE OF PURCHASING DIRECTOR

5-15-19
DATE

[Signature]
SIGNATURE OF CHIEF FINANCIAL OFFICER

5/13/19
DATE

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	WWTP Primary Building HVAC Replacement – Project includes developing construction plans and specifications as well as limited construction administration for replacement of the Primary Building HVAC systems and measures to establish separate zones between the pump dry well and electric room.
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 experience relating to municipal infrastructure.
YEARS OF EXPERIENCE:	Since 1951
SIMILAR PROJECTS PERFORMED FOR THE CITY:	1. Wastewater Treatment Plant 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.
SIMILAR PROJECTS PERFORMED ELSEWHERE:	Hazen has provided a broad range of various engineering services to its clients since 1951. Highlights of recent, similar projects include: 1. Brentwood Sewer Master Plan and Modeling – Brentwood, TN 2. Moccasin Bend WWTP Influent Sewer Characterization – Chattanooga, TN 3. Lower Brush Creek Interceptor Modeling and Design – Johnson City, TN 4. West Kingsport and Pendragon PS Modeling and Design – Kingsport, TN 5. West Park PS and EQ Storage Planning and Design – Nashville, TN 6. Central WWTP 10-MGD Equalization Tank, Nashville, TN; 7. Town Branch WWTP 22-MGD, Lexington, KY; 8. 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
WWTP Primary Building HVAC Replacement
Hazen and Sawyer, P.C.

Page 2

NAMES OF THOSE INVOLVED IN THE SELECTION (MUST BE 2 OR MORE AND MUST HAVE NO CONFLICT OF INTEREST AS PER PURCHASING POLICY):	Garth Branch, PE Kevin Buchanan
DEPARTMENT WHERE FUNDS ARE BUDGETED:	Clarksville Gas & Water Department

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

04-12-2019

DATE

SIGNATURES OF OTHERS INVOLVED IN SELECTION

DATE

SIGNATURE OF PURCHASING DIRECTOR

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):	\$ 30,000. —
--	--------------

Acknowledgement of cost estimate received:

SIGNATURE OF DEPARTMENT HEAD/DESIGNEE

DATE

SIGNATURE OF PURCHASING DIRECTOR

DATE

SIGNATURE OF CHIEF FINANCIAL OFFICER

DATE

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	TDOT Utility Relocation at SR-13/US-79 (Wilma Rudolph Blvd) from Holiday Drive to Alfred Thun Road. Consultant shall provide engineering services for the relocation of utilities at Wilma Rudolph Blvd from Holiday Drive to Alfred Thun Road. Consultant services comprise preparation of utility relocation plans and construction documents associated with the improvements of Wilma Rudolph Boulevard in Clarksville, Tennessee.
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

04-04-2019
DATE

SIGNATURES OF OTHERS INVOLVED IN SELECTION

4/4/2019
DATE

SIGNATURE OF PURCHASING DIRECTOR

4-4-19
DATE

REQUEST FOR PROFESSIONAL SERVICE

TDOT Utility Relocation at SR-13/US-79 (Wilma Rudolph Blvd) from Holiday Drive to Alfred Thun Road

HDR Engineering, Inc.

Page 2

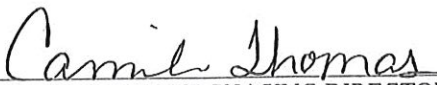
2. **COST: ONCE ALL SIGNATURES ABOVE HAVE BEEN SECURED, YOU MAY NOW REQUEST PRICING FROM THE SELECTED FIRM. COST SHALL BE REPORTED TO THE PURCHASING DIRECTOR ONCE OBTAINED.**

ESTIMATED COST (TO BE PROVIDED ONCE DETERMINED):	\$ 80,000.00
--	--------------

Acknowledgement of cost estimate received:

SIGNATURE OF DEPARTMENT HEAD/DESIGNEE

04-19-2019
DATE


SIGNATURE OF PURCHASING DIRECTOR

4-22-19
DATE


SIGNATURE OF CHIEF FINANCIAL OFFICER

4-19-19
DATE

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	Miscellaneous Easement Services – Consultant shall provide miscellaneous easement services related to capital improvement projects and operations, as needed. Work is anticipated to be issued in form of individual work orders on a case-by-case basis. Requests for a cost proposal will be initiated by the City. Consultant's proposal will be reviewed and, only if accepted by the City, Consultant will be authorized to proceed with that work. Contract Term: One year with two one-year renewals upon mutual agreement.
NAME OF FIRM:	Croft and Associates, LLC, 352 Lynn Drive, Nashville, TN 37211
QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:	Croft and Associates is a professional firm located in Nashville, that has been in business for many years and provides various services, such as easement negotiations, appraisal and acquisition services. Croft and Associates is available to perform this work and has satisfactorily performed and successfully delivered on projects for the City for nearly a decade.
YEARS OF EXPERIENCE:	30+ years
SIMILAR PROJECTS PERFORMED FOR THE CITY:	Croft and Associates has provided easement services for numerous easements for various CGW projects, to include: 1. SR149-SR13 TDOT Utility Relocation 2. SR112 (Hwy 41-A) TDOT Utility Relocation 3. Peachers Mill Road 4. Keystone Drive 5. Paddock Place In addition, Croft and Associates has also provided right-of-way acquisition services for the Clarksville Street Department.
SIMILAR PROJECTS PERFORMED ELSEWHERE:	1. White House Utility Dist. --numerous jobs, continuous for past 20 years 2. City of LaVergne---Waldron Road area--water and sewer easements 3. Piedmont Natural Gas---continuous for past 9 years as the TN Land Agents--projects include a. South Nashville 20" --230+-parcels--2012, 2013, 2014, including oversight of construction issues b. Concord Road, Tucker Road, White Bridge Road, Bell Road—2014 c. Dupont, Post Road, Raintree, Old Hickory Blvd, Shelby North and South—2015 d. Numerous small projects as well as larger projects 4. City of Springfield--Tom Austin Hwy, Sewer Improvement project--C-2, Hwy. 41 water line--150+-parcels--2015 & 2016.
OTHER QUALIFICATIONS:	Croft and Associates is familiar with and understands the complicated state and federal requirements regarding property acquisition for public use. Croft and Associates follows the steps necessary for smooth, successful land acquisition.

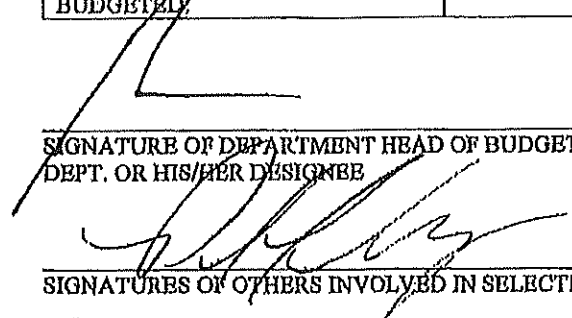
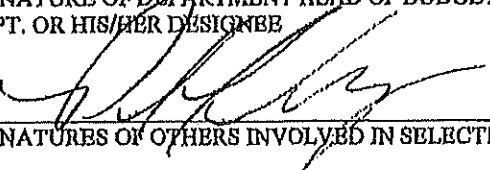
REQUEST FOR PROFESSIONAL SERVICE

Miscellaneous Basement Services

Croft and Associates, LLC

Page 2

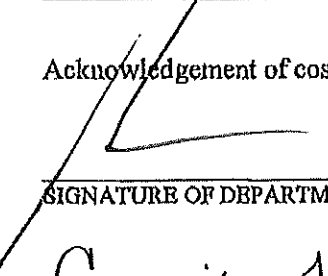
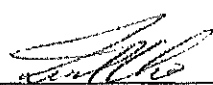
NAMES OF THOSE INVOLVED IN THE SELECTION (MUST BE 2 OR MORE AND MUST HAVE NO CONFLICT OF INTEREST AS PER PURCHASING POLICY)	Garth Branch, PE Patrick Chesney
DEPARTMENT WHERE FUNDS ARE BUDGETED	Clarksville Gas & Water Department

	06-04-2019
SIGNATURE OF DEPARTMENT HEAD OF BUDGETARY DEPT. OR HIS/HER DESIGNEE	DATE
	06-04-19
SIGNATURES OF OTHERS INVOLVED IN SELECTION	DATE
	6-5-19
SIGNATURE OF PURCHASING DIRECTOR	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):	\$ 50,000.00
--	--------------

Acknowledgement of cost estimate received:

	06-05-2019
SIGNATURE OF DEPARTMENT HEAD/DESIGNEE	DATE
	6-6-19
SIGNATURE OF PURCHASING DIRECTOR	DATE
	6/6/19
SIGNATURE OF CHIEF FINANCIAL OFFICER	DATE

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	Miscellaneous Engineering Services – Hazen and Sawyer will provide miscellaneous engineering services in support of capital improvement projects and operations as needed. Work is anticipated to be issued in the form of individual work orders on a case-by-case basis. Requests for a cost proposal will be initiated by the City. Consultant's proposal will be reviewed and, only if accepted by the City, Consultant will be authorized to proceed with that work. Contract Term: One year with two one-year renewals upon mutual agreement.
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 experience relating to municipal infrastructure.
YEARS OF EXPERIENCE:	Since 1951 (68 Years)
SIMILAR PROJECTS PERFORMED FOR THE CITY:	1. Wastewater Treatment Plant Improvements 2. Wastewater Treatment Plant Solids Treatment & Handling Evaluation 3. Comprehensive Assessment of the Collection System; 4. Regulatory Assistance with NPDES- and 2012 Agreed Order-related services; 5. Flood recovery support related to CGW's wastewater facilities; 6. Water System Master Plan; 7. Northwest Sanitary Sewer Basin Preliminary Engineering Report; 8. Wet Weather Planning; 9. Misc. Water System Hydraulic Modeling; 10. Hydraulic Model Development; 11. Miscellaneous Engineering Services.
SIMILAR PROJECTS PERFORMED ELSEWHERE:	Hazen has provided a broad range of various engineering services to its clients since 1951. Recent project highlights include: 1. Design, construction oversight, and operational support for the upgrade and expansion of the Thomas P. Smith Water Reclamation Facility, Tallahassee, FL; 2. Design and construction oversight for the new Bradley Avenue Water Treatment Plant, Champaign, IL; 3. Upgrades to the Arlington East Water Reclamation Facility, FL; 4. Upgrades to the 60-mgd Neuse River Wastewater Treatment Plant, Raleigh, NC; 5. Design and construction of the 2,020-mgd Catskill-Delaware Ultraviolet Disinfection Facility, the largest UV disinfection facility in the world, New York City, NY; 6. Development and implementation of best management practices to replace expensive storm sewers in the Staten Island Bluebelt, Staten Island, NY; 7. Upgrade and expansion of the 75-mgd Henrico Water Reclamation Facility, Henrico County, VA; 8. Conducted studies to examine the potential effects of sea level rise and storm surge impacts for both Miami-Dade and New York City, and developed adaptation strategies for all of the affected wastewater treatment plants, FL;

REQUEST FOR PROFESSIONAL SERVICE

Miscellaneous Engineering Services

Hazen and Sawyer, P.C.

Page 2

	9. Provided fast-track design-build services to replace underwater pipelines to prepare for the dredging of the Port of Miami access channels to accommodate "New Panamax" ships allowed by the deepened Panama Canal, FL; 10. Miscellaneous international project such as upgrades to high-performance digestion facilities in Johannesburg, South Africa, and a water/wastewater program in Amman Jordan.
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.
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

06-04-2019

DATE

SIGNATURES OF OTHERS INVOLVED IN SELECTION

6/4/2019

DATE

SIGNATURE OF PURCHASING SUPERVISOR

6-5-19

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 DIRECTOR ONCE OBTAINED.

ESTIMATED COST (TO BE PROVIDED ONCE DETERMINED):

\$ 100,000.00

Acknowledgement of cost estimate received:

SIGNATURE OF DEPARTMENT HEAD/DESIGNEE

06-05-2019

DATE

SIGNATURE OF PURCHASING DIRECTOR

6-6-19

DATE

SIGNATURE OF CHIEF FINANCIAL OFFICER

6/6/19

DATE

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	Misc. WWTP Facility Improvements – Project includes evaluation, design and preparation of construction plans and specifications as well as limited construction administration for improvements to various WWTP facilities, including Primary Clarifier #3, Primary Sludge Tanks, Effluent Pump Station Baffle Wall, Headworks Building, and Plant Water Pump Pad.
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 experience relating to municipal infrastructure.
YEARS OF EXPERIENCE:	Since 1951
SIMILAR PROJECTS PERFORMED FOR THE CITY:	1. Wastewater Treatment Plant 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.
SIMILAR PROJECTS PERFORMED ELSEWHERE:	Hazen has provided a broad range of various engineering services to its clients since 1951. Highlights of recent, similar projects include: 1. Brentwood Sewer Master Plan and Modeling – Brentwood, TN 2. Moccasin Bend WWTP Influent Sewer Characterization – Chattanooga, TN 3. Lower Brush Creek Interceptor Modeling and Design – Johnson City, TN 4. West Kingsport and Pendragon PS Modeling and Design – Kingsport, TN 5. West Park PS and EQ Storage Planning and Design – Nashville, TN 6. Central WWTP 10-MGD Equalization Tank, Nashville, TN; 7. Town Branch WWTP 22-MGD, Lexington, KY; 8. 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

Misc. WWTP Facility Improvements

Hazen and Sawyer, P.C.

Page 2

NAMES OF THOSE INVOLVED IN THE SELECTION (MUST BE 2 OR MORE AND MUST HAVE NO CONFLICT OF INTEREST AS PER PURCHASING POLICY):	Garth Branch, PE Kevin Buchanan
DEPARTMENT WHERE FUNDS ARE BUDGETED:	Clarksville Gas & Water Department

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

04-12-2019

DATE

SIGNATURES OF OTHERS INVOLVED IN SELECTION

4/12/19

DATE

SIGNATURE OF PURCHASING DIRECTOR

4-16-19

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):

\$ 255,360.-

Acknowledgement of cost estimate received:

SIGNATURE OF DEPARTMENT HEAD/DESIGNEE

05-23-2019

DATE

SIGNATURE OF PURCHASING DIRECTOR

5-30-19

DATE

SIGNATURE OF CHIEF FINANCIAL OFFICER

5/29/19

DATE

REQUEST FOR PROFESSIONAL SERVICE

1. SELECTION OF FIRM

PROJECT NAME AND SCOPE OF WORK:	Sango Water System Improvements – Project includes design and preparation of construction plans and specifications of a new elevated water tank, booster station, and associated water main supply line.
NAME OF FIRM:	AECOM Technical Services, Inc. (AECOM)
QUALIFICATIONS, COMPETENCE AND INTEGRITY OF FIRM:	AECOM is a qualified, licensed professional and technical services firm, which can design, build, finance and operate infrastructure assets around the world for public- and private-sector clients. AECOM is a leader in all of the key markets that it serves, including facilities, environmental, water, and provides a blend of global reach, local knowledge, innovation and technical excellence in delivering customized and creative solutions that meet the needs of clients' projects. AECOM is readily available to assist the City. Its qualified staff includes seasoned, licensed professional engineers with extensive experience relating to municipal infrastructure.
YEARS OF EXPERIENCE:	Since 1990
SIMILAR PROJECTS PERFORMED FOR THE CITY:	1. Sanitary Sewer Master Plan and Hydraulic Model 2. CGW CSO Basin Study 3. CSO Modeling Update 4. McClure St. CSO Facility Upgrade
SIMILAR PROJECTS PERFORMED ELSEWHERE:	AECOM has provided a broad range of various engineering services to its clients since 1990, which include: 1. 12th Avenue South Water Main Replacement (Phases 1-6) – Metro Water Services 2. Powdersville Water – 1.0 MG Elevated Composite Water Storage Tank 3. City of North Augusta – Sweetwater 1.0 MG Composite Elevated Water Storage Tank 4. St. John's Water Co. – 1.5 MG Composite/Steel Elevated Water Tank
OTHER QUALIFICATIONS:	AECOM is ranked #2 in Engineering Design and #3 in Water (ENR 2018 Top 500 Design Firms), AECOM is a global provider in water storage and distribution. AECOM's project manager previously served as Chief Utility Engineer for CGW and was involved in planning, design and construction management of several relevant water projects including: 1. Barkers Mill Rd. 1.0 MG Elevated Water Storage Tank 2. Northwest 1.5 MG Elevated Water Storage Tank 3. Sango Water Main – Phase III – 12,850 LF of 16-inch Water Transmission Main

REQUEST FOR PROFESSIONAL SERVICE

Sango Water System Improvements

AECOM Technical Services, Inc.

Page 2

NAMES OF THOSE INVOLVED IN THE SELECTION (MUST BE 2 OR MORE AND MUST HAVE NO CONFLICT OF INTEREST AS PER PURCHASING POLICY):	Garth Branch, PE Tom Heath, PE
DEPARTMENT WHERE FUNDS ARE BUDGETED:	Clarksville Gas & Water Department

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

03-21-2019

DATE

SIGNATURES OF OTHERS INVOLVED IN SELECTION

DATE

SIGNATURE OF PURCHASING DIRECTOR

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):	\$ 1,200,000.—
--	----------------

Acknowledgement of cost estimate received:

SIGNATURE OF DEPARTMENT HEAD/DESIGNEE

DATE

SIGNATURE OF PURCHASING DIRECTOR

DATE

SIGNATURE OF CHIEF FINANCIAL OFFICER

DATE

Clarksville Gas and Water Department, TN

Date range: 01 Apr 2019 - 30 Apr 2019

<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>
277	800MH ANALOG KENWOOD RATIO SYSTEM		Justin Caswell	USD	\$680.00	16 Apr 2019 08:58 AM ET	
278	MINUTEMAN FLOOR SCRUBBER	VMC260026QP1036	Matthew Manning	USD	\$208.00	19 Apr 2019 08:26 AM ET	
279	FUEL TANK		john mcfadden	USD	\$255.00	19 Apr 2019 09:00 AM ET	
280	GAS TANK	2sg049834	Jeremy Henderson	USD	\$206.00	23 Apr 2019 08:20 AM ET	
					\$1,349.00		

Clarksville Gas and Water Department, TN

Date range: 01 May 2019 - 31 May 2019

<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>
281	Wallace Forge S15T Swivel Pintle Hook with Spring	RED- S15T	Jeff Norris	USD	\$27.00	08 May 2019 08:11 AM ET	
282	8' x 8' x 8' Shed		david Haynes	USD	\$355.00	31 May 2019 08:26 AM ET	
					\$382.00		

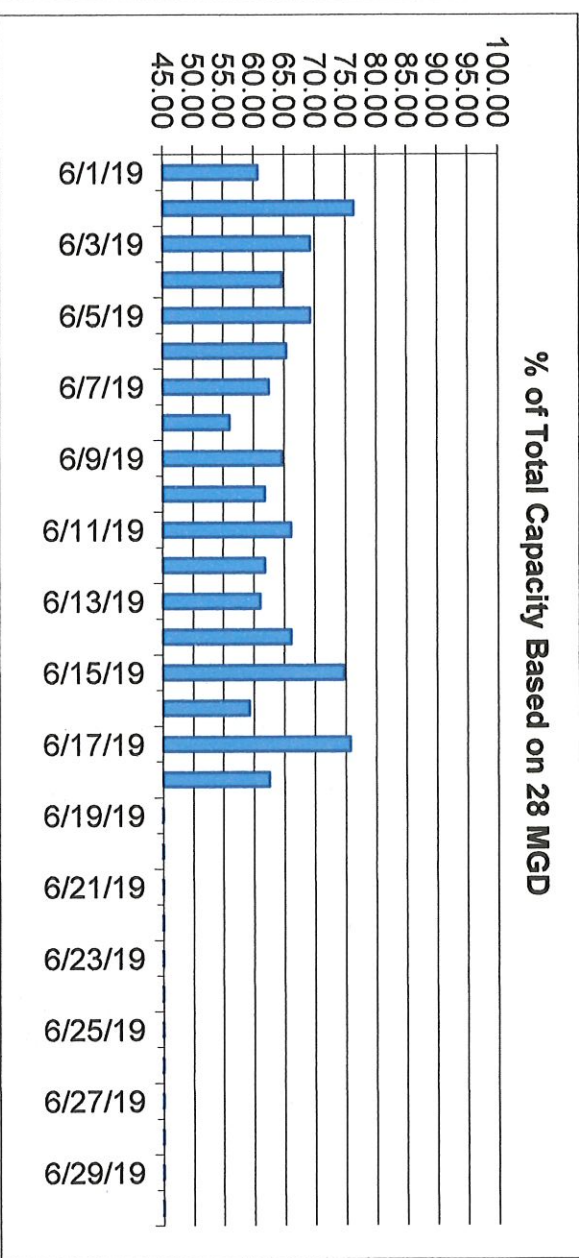
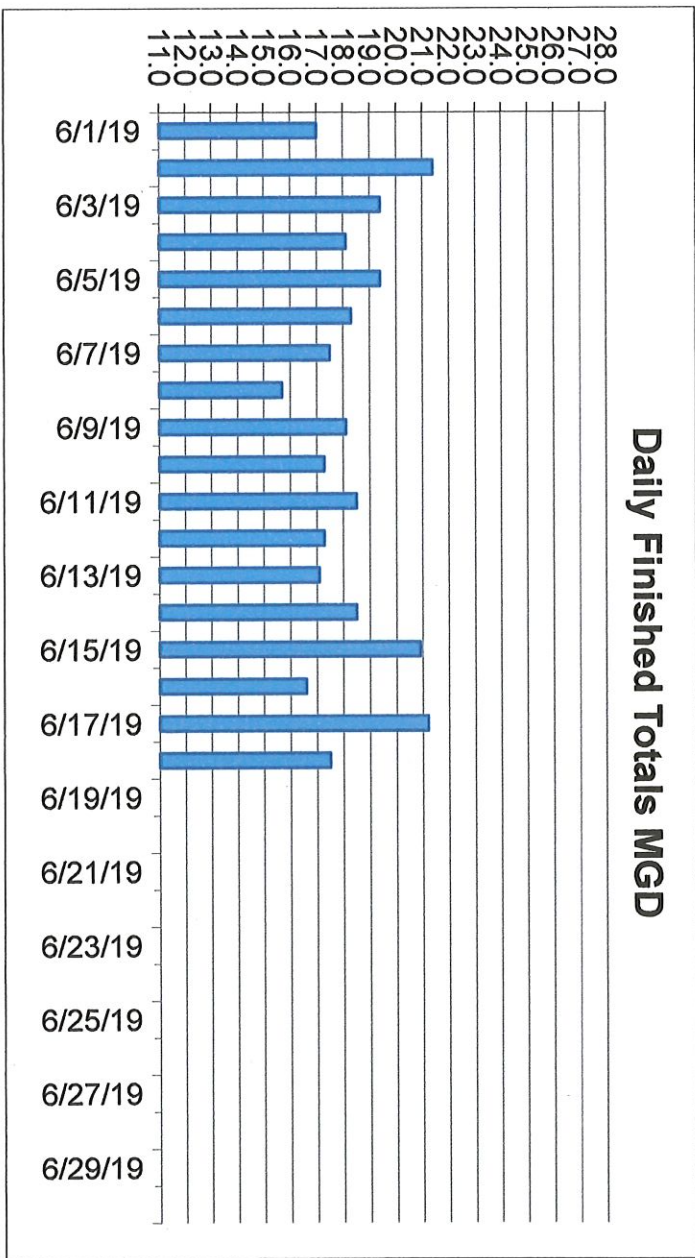


Monthly Activity Summary

May 2019

- Service Department completed 5,371 work orders, responded to 370 after hour calls and read 99,192 meters.
- Billing Department sent a total of 68,947 bills and notices
- Engineering Department responded to 2,970 locate requests.
- Water Division repaired 51 water leaks, flushed 433 hydrants, and tested 624 backflow devices.
- Sewer Division reported 6 sewer overflows.
- Gas Division installed 33 new services, 3,135 feet of pipe, and responded to 55 natural gas odor calls.
- Water Plant pumped 550 million gallons of treated water into the system and averaged 17.7 million gallons per day. That represents approximately 63 percent of the plant's capacity.
- Wastewater Plant treated 382 million gallons of sewage and averaged 12.3 million gallons per day. That represents approximately 49 percent of the plant's capacity.

DATE	TOTALS IN MGD	DATE	% of Total Capacity Based on 28 MGD
6/1/2019	17.0	6/1/2019	60.71
6/2/2019	21.4	6/2/2019	76.43
6/3/2019	19.4	6/3/2019	69.29
6/4/2019	18.1	6/4/2019	64.64
6/5/2019	19.4	6/5/2019	69.29
6/6/2019	18.3	6/6/2019	65.36
6/7/2019	17.5	6/7/2019	62.50
6/8/2019	15.7	6/8/2019	56.07
6/9/2019	18.1	6/9/2019	64.64
6/10/2019	17.3	6/10/2019	61.79
6/11/2019	18.5	6/11/2019	66.07
6/12/2019	17.3	6/12/2019	61.79
6/13/2019	17.1	6/13/2019	61.07
6/14/2019	18.5	6/14/2019	66.07
6/15/2019	20.9	6/15/2019	74.64
6/16/2019	16.6	6/16/2019	59.29
6/17/2019	21.2	6/17/2019	75.71
6/18/2019	17.5	6/18/2019	62.50
6/19/2019		6/19/2019	0.00
6/20/2019		6/20/2019	0.00
6/21/2019		6/21/2019	0.00
6/22/2019		6/22/2019	0.00
6/23/2019		6/23/2019	0.00
6/24/2019		6/24/2019	0.00
6/25/2019		6/25/2019	0.00
6/26/2019		6/26/2019	0.00
6/27/2019		6/27/2019	0.00
6/28/2019		6/28/2019	0.00
6/29/2019		6/29/2019	0.00
6/30/2019		6/30/2019	0.00



Monthly
total 329.8

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

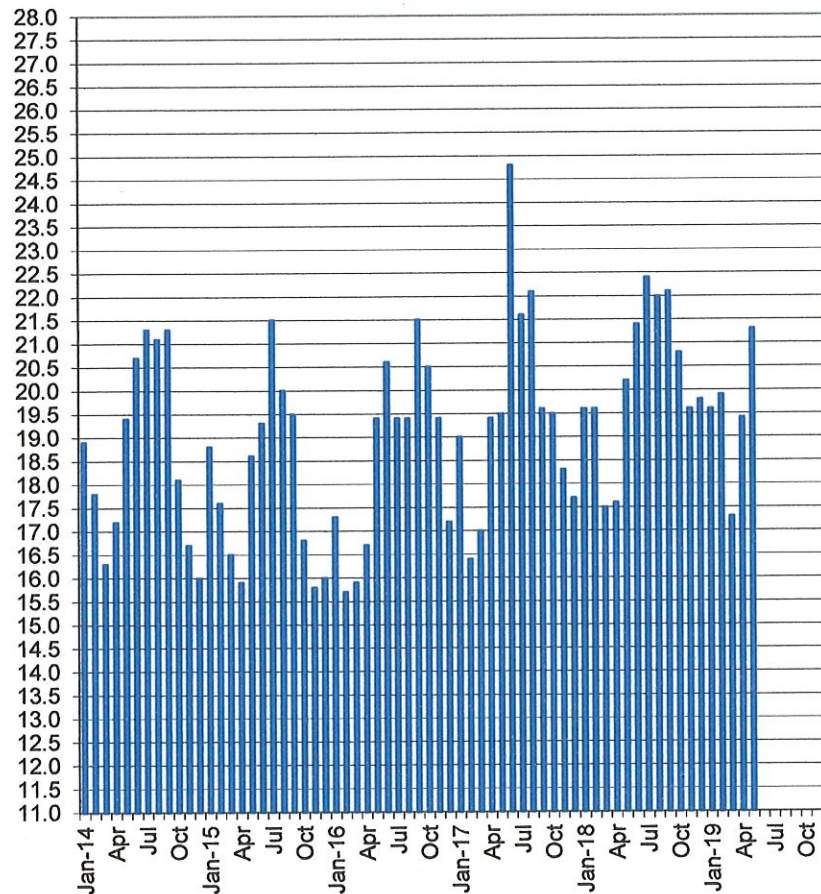
Jan-16	17.3	Jan-16	61.79
Feb	15.7	Feb	56.07
Mar	15.9	Mar	56.79
Apr	16.7	Apr	59.64
May	19.4	May	69.29
Jun	20.6	Jun	73.57
Jul	19.4	Jul	69.29
Aug	19.4	Aug	69.29
Sep	21.5	Sep	76.79
Oct	20.5	Oct	73.21
Nov	19.4	Nov	69.29
Dec	17.2	Dec	61.43

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

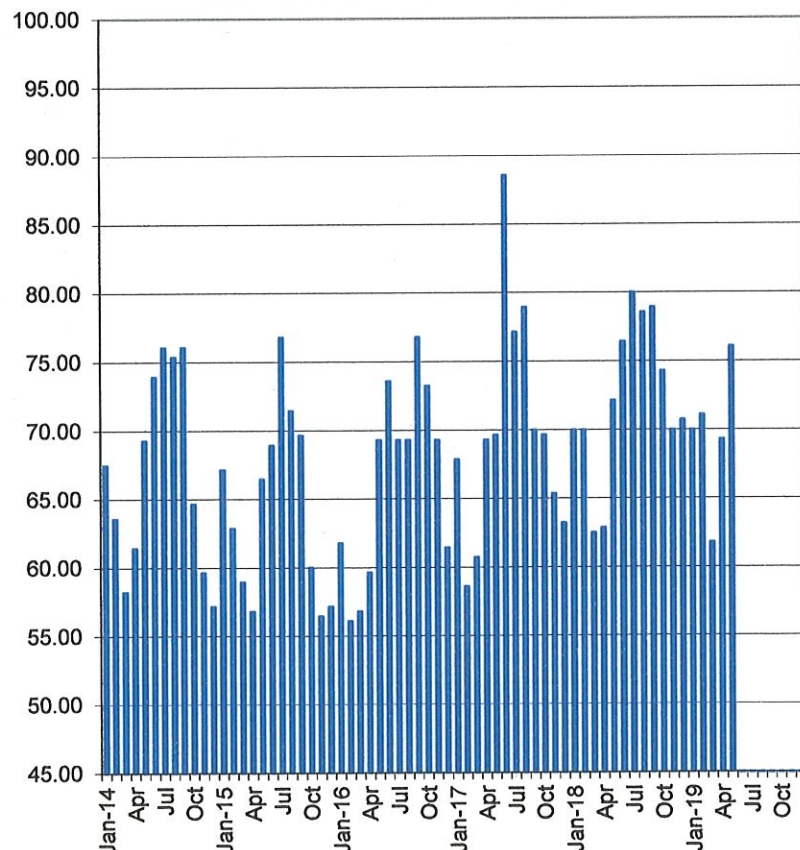
Jan-18	19.6	Jan-18	70.00
Feb	19.6	Feb	70.00
Mar	17.5	Mar	62.50
Apr	17.6	Apr	62.86
May	20.2	May	72.14
Jun	21.4	Jun	76.43
Jul	22.4	Jul	80.00
Aug	22.0	Aug	78.57
Sep	22.1	Sep	78.93
Oct	20.8	Oct	74.29
Nov	19.6	Nov	70.00
Dec	19.8	Dec	70.71

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		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

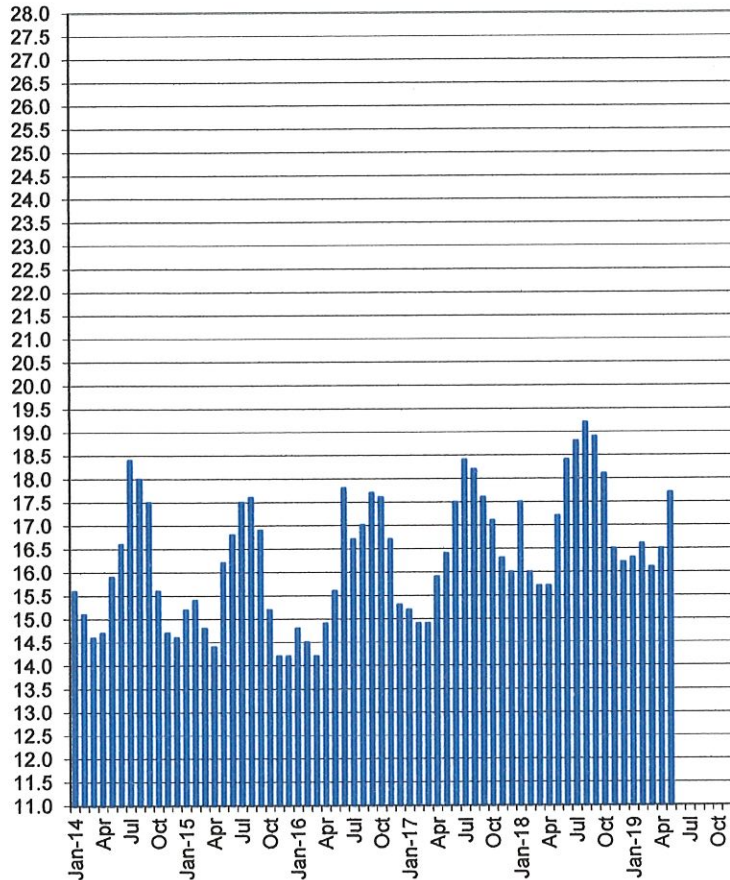


% of Capacity Based on 28 MGD

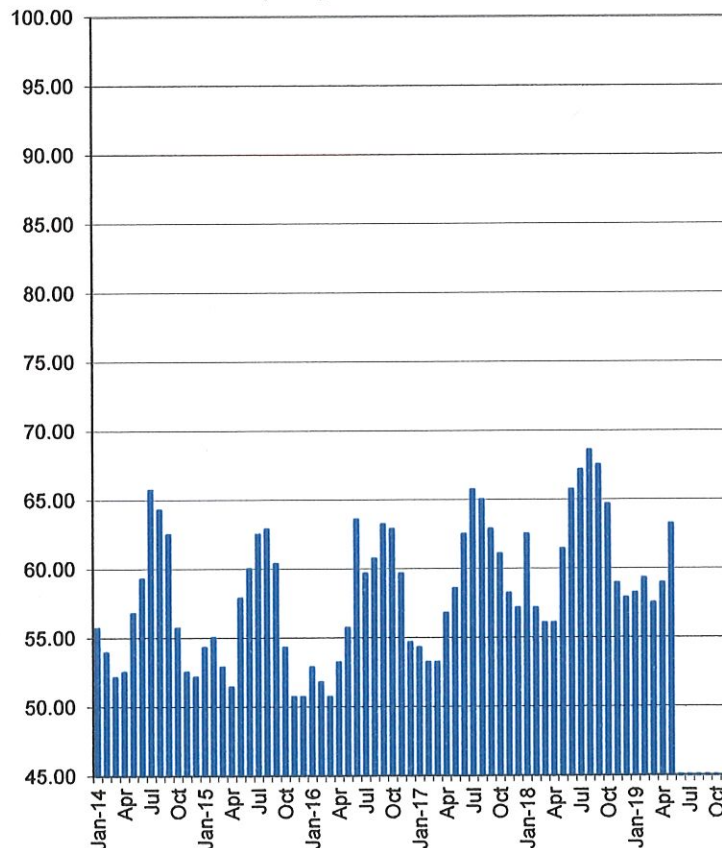


Date	Amt	Date	% of Capacity
Jan-14	15.6	Jan-14	55.71
Feb	15.1	Feb	53.93
Mar	14.6	Mar	52.14
Apr	14.7	Apr	52.50
May	15.9	May	56.79
Jun	16.6	Jun	59.29
Jul	18.4	Jul	65.71
Aug	18.0	Aug	64.29
Sep	17.5	Sep	62.50
Oct	15.6	Oct	55.71
Nov	14.7	Nov	52.50
Dec	14.6	Dec	52.14
Jan-15	15.2	Jan-15	54.29
Feb	15.4	Feb	55.00
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		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

	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	
Aver.	16703	17205	18953	16160	16684	16846	17875	17510	18477	
Max	20540	21276	24850	18416	20717	19306	20660	24870	21444	
Min	14482	14264	13858	13442	14133	14050	15630	14988	15308	
Jul. Total	547116	565235	543355	503624	572496	544235	519632	571991	583935	
Aver.	17649	18233	17528	16246	18468	17556	16762	19451	18837	
Max	21511	20922	21568	19079	21348	21555	19407	21680	22472	
Min	14667	15895	14232	12996	14926	14673	14985	15287	13853	
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	2519395
Yr. Aver.	15689	15613	15659	15222	16013	15746	16113	16592	17407.95	
Peak Day	21511	21276	24850	20904	21379	21555	21501	24870	22472	

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>
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%
June	2018	28,090	69,307	97,397	99.91%
May	2018	28,061	69,139	97,200	99.91%
12 Month Total		367,706	909,445	1,277,151	99.91%

SERVICE DEPARTMENT

		<u>Service Orders</u>	<u>After Hours Calls</u>
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
June	2018	5708	379
May	2018	5132	327
April	2018	4852	289
March	2018	5306	327
12 Month Total		75,246	5,248

ORDINANCE 1-2019-20

AN ORDINANCE ACCEPTING THE DONATION OF CERTAIN REAL PROPERTY FROM THE INDUSTRIAL DEVELOPMENT BOARD TO THE CITY OF CLARKSVILLE FOR THE PURPOSE OF A WATER STORAGE TANK

WHEREAS, The Industrial Development Board has agreed to donate certain real property and ingress/egress easement to the City of Clarksville for the operation of an existing water tank; and

WHEREAS, the Clarksville City Council has determined that it is in the best interest of the City and its residents that the donation from the Industrial Development Board be accepted with appreciation.

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

1. That the City of Clarksville hereby accepts the donation of certain real property and ingress/egress easement from the Industrial Development Board, being a portion of the property conveyed to donor by deeds of record in Official Record Book Volume 1262, Page 2490 & Volume 1244, Page 2574, in the Register's Office for Montgomery County, Tennessee, and being more particularly described in "Exhibit A", attached hereto.
2. That upon acceptance of transfer documents, the City will assume ownership and responsibility for said property and easement.
3. That this Ordinance shall be in full force and effect from and after its passage and approval.

FIRST READING:

SECOND READING:

EFFECTIVE DATE:

EXHIBIT A

Land Description
of the
Industrial Development Board of Montgomery County Property
Jim Johnson Road, Clarksville, TN 37043

Being a portion of the Industrial Development Board of Montgomery County Property in the 1st Civil District of Montgomery County, Tennessee, said property being a portion of Tax Map # 015, Parcel # 003.01 (Volume 1262 Page 2490), and of Tax Map # 009, Parcel # 014.02 Volume (ORV) 1244 Page (PG) 2574, all recorded in the Register's Office of Montgomery County, Tennessee (ROMCT), said property is generally bounded on the west and south by Jim Johnson Road, and on the north by Life is Good Road. Being more particularly described as follows:

Commencing at a set ½" iron pin capped "DBS & Associates" located at Tennessee State Plane coordinates (NAD 83) coordinates of Northing 838556.71, Easting 1600845.50 in the eastern right of way of Jim Johnson Road. Said POINT OF BEGINNING being South 20°31'10" West a distance of 101.29 feet from the southwest corner of the Industrial Development Board of Montgomery County Property ORV 1855 PG 2267. Thence leaving said right of way of Jim Johnson Road and with the said southern proposed right of way (ROW) of Life is Good Road, South 81°00'14" East a distance of 304.81 feet to a new iron rod capped "DBS & Assoc."

Thence leaving said ROW on four new severance lines (NSL) as follows:

South 29°55'19" West a distance of 45.07 feet to a new iron rod capped "DBS & Assoc."; thence, North 83°12'33" West a distance of 78.18 feet to a new iron rod capped "DBS & Assoc."; thence, generally, one-foot East of a fence line, South 05°36'07" West a distance of 270.36 to an iron rod capped "DBS & Assoc."; thence, approximately one-foot south of the fence line, North 82°23'25" West a distance of 257.56 to an new iron rod capped "DBS & Assoc." in said East ROW of Jim Johnson Road;

Thence, North 19°53'31" East a distance of 83.34 feet to a point;

Thence, North 12°42'56" East a distance of 234.37 feet to a point;

Thence, North 08°12'34" East a distance of 5.51 feet to said POINT OF BEGINNING, containing 76,492.19 SQ FT or 1.76 acres more or less.

Together with and subject to any easements, covenants, right of ways, and conveyances that are of record and not of record. According to a survey by W. Logan McCraw, TN RLS#2887 of DBS Engineering & Associates, Job # CC 98231, dated June 17, 2019.

Ingress and Egress Easement

Commencing at a set ½" iron pin capped "DBS & Associates" located in the eastern right of way of Jim Johnson Road, said pin being in the southwest corner of the Water Tower Boundary. Said pin having Tennessee State Plane Coordinates Northing 838244.27, Easting 1600764.77. Thence, leaving said iron pin South 82°23'25" East at a distance of 60.09 feet to the northwest corner and the true point of beginning for this description.

Thence, with South boundary South 82°23'25" East at a distance 10.00 feet to a point, also the width of the Ingress/Egress easement;

Thence South 07°15'34" West at a distance of 44.32 feet to a point;

Thence along a curve to the right having a radius of 35.00 feet, a delta of 090°00'00", an arc distance of 54.98, a chord bearing of South 52° 15'34" and a chord distance of 49.50 feet to a point;

Thence, North 82°44'26" West at a distance of 52.96 feet to a point in the east right of way of Jim Johnson Road;

Thence, with Jim Johnson Road, North 19°53'31" East at a distance of 10.25 feet to a point;

Thence South 82°44'26" East at a distance of 50.72 feet to point being the start of a curve;

Thence northeasterly an arc distance of 39.27 feet along a curve to the left having a radius of 25.00 feet, a delta of 090°00'00", chord bearing of North 52°15'34" East and a chord distance of 35.36 feet to a point;

Thence North 07°15'34" East at a distance of 44.38 feet to the point of beginning containing 1,433.12 SQ FT or 0.03 Acres more or less.

Together with and subject to any easements, covenants, right of ways, and conveyances that are of record and not of record. According to a survey by W. Logan McCraw, TN RLS#2887 of DBS Engineering & Associates, Job # CC 98231, dated June 17, 2019.

ORDINANCE 2-2019-20

AN ORDINANCE AUTHORIZING PURCHASE OF PROPERTY AT 111 CUNNINGHAM LANE FOR THE CITY OF CLARKSVILLE GAS & WATER DEPARTMENT NORTH SERVICE CENTER

WHEREAS, property acquisition is necessary for the relocation of the City of Clarksville Gas & Water Department North Service Center; and

WHEREAS, the City of Clarksville Gas & Water Department has agreed to purchase property located at 111 Cunningham Lane from First Tennessee Bank National Association for the price of \$435,000.00 plus additional cost and closing fees.

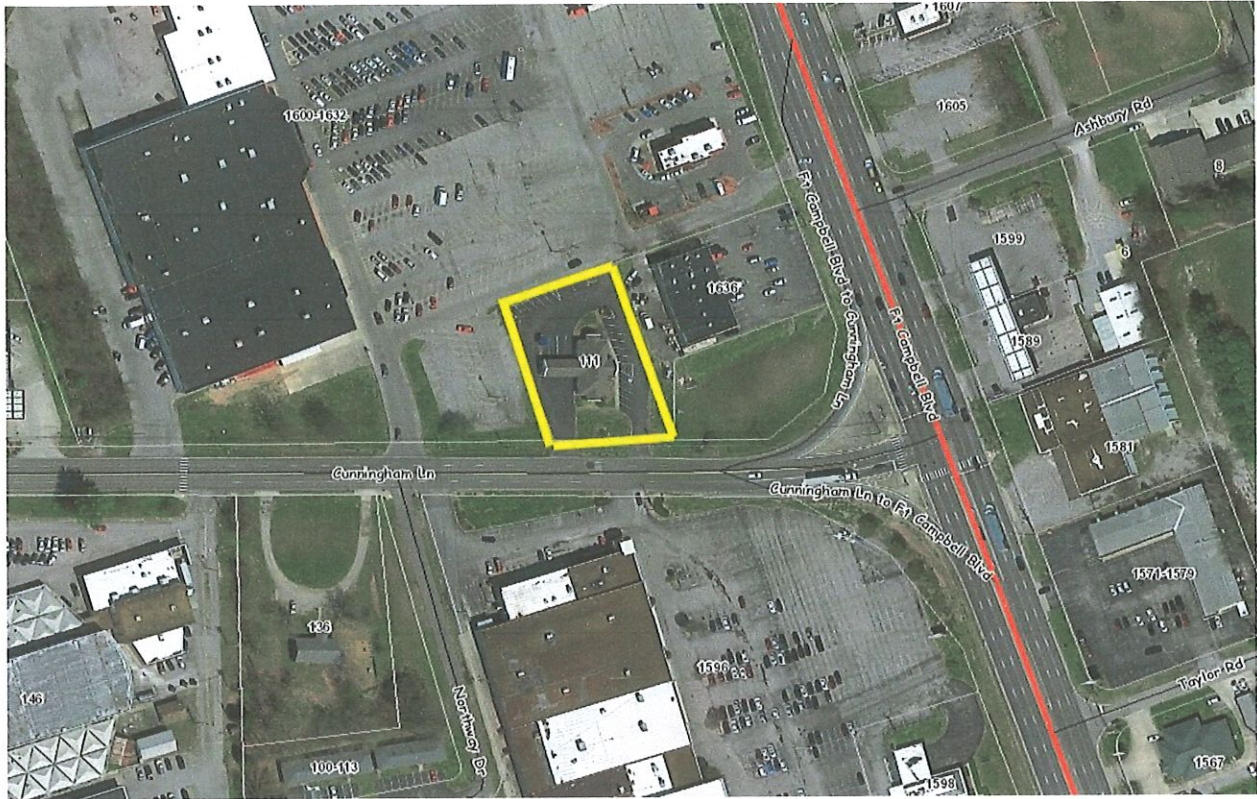
NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CLARKSVILLE, TENNESSEE:

That the Clarksville City Council hereby authorizes the purchase of property at 111 Cunningham Lane (CMAP 43, Parcel 1.01) for the City of Clarksville Gas & Water Department North Service Center, not to exceed \$445,000.00.

FIRST READING:

SECOND READING:

EFFECTIVE DATE:



ORDINANCE 3-2019-20

AN ORDINANCE AUTHORIZING PURCHASE OF PROPERTY FOR CLARKSVILLE GAS & WATER'S NEW MEADOWBROOK SEWER PUMP STATION EQUALIZATION BASIN

WHEREAS, property acquisition is necessary to construct a new equalization basin for the new Meadowbrook Sewer Pump Station; and

WHEREAS, the City of Clarksville Gas & Water Department has agreed to purchase property located at Fort Campbell Boulevard from Baggett & Harvey and Mehigan Family Partnership for the price of \$481,000.00 plus any additional costs and closing fees.

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

That the Clarksville City Council hereby authorizes purchase of property at Fort Campbell Boulevard (CMAP 43J, Parcel 30.00) for the new Meadowbrook Sewer Pump Station Equalization Basin, not to exceed \$491,000.00.

FIRST READING:

SECOND READING:

EFFECTIVE DATE:

EXHIBIT A

