

**Clay County Utility Authority**  
**2017/2018 Capital Projects Expenditures Budget**  
**And Five Year Capital Projects Plan**  
**Adjusted for Prior Year Jobs Not Completed as of 5/31/2017**

	ADJUSTED						
	FISCAL YEAR	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	TOTALS
	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	TOTALS
<b>REVENUES:</b>							
Balance October 1, 2016	37,091,299						37,091,299
Funds Spent on Jobs Prior to FY 2016/2017	6,537,083						6,537,083
Renewal, Replacement & Betterment	2,025,264	2,106,362	2,106,362	2,106,362	2,106,362	2,106,362	12,557,074
Departmental Capital Transfer	1,265,093	1,191,435	1,191,435	1,191,435	1,191,435	1,191,435	7,222,268
Environmental Reuse Capital Fund Transfer	858,613	927,691	927,691	927,691	927,691	927,691	5,497,068
Capacity Fees Transfer	1,410,963	-	1,286,100	1,286,100	1,286,100	1,286,100	6,555,363
Tap-In Capacity Fee Transfer	96,826	-	-	-	-	-	96,826
Alternative Water Supply Transfer	340,960		709,428	709,428	709,428	709,428	3,178,672
Debt Stabilization	9,985,903	149,007	-	-	825	1,725	10,137,460
Surplus Transfer (Operating Contingency Utility & Capital Reserve, includes add'l R&R)	4,398,394	3,800,293	3,486,819	3,486,819	3,486,819	3,486,819	22,145,963
Restricted Interest Earnings	5,129	4,869	4,869	4,869	4,869	4,869	29,474
Borrowing/Utilization of Surplus Funds if needed	(17,840,276)	24,388,597	12,344,796	23,449,896	1,526,471	6,680,571	50,550,055
Balances After Transfers	46,175,250	32,568,254	22,057,500	33,162,600	11,240,000	16,395,000	161,598,604
<b>CAPITAL EXPENDITURES:</b>							
<b>RENEWAL, REPLACEMENT &amp; BETTERMENT</b>							
<b>Orange Park Grid Water Treatment Plants:</b>							
Miscellaneous plant upgrades and major maintenance	135,000	45,000	45,000	45,000	45,000	45,000	360,000
Paint and Refurbish Structures	-	300,000	50,000				350,000
Lucy Branch WTP - Replace electrical system and install softstarts and VFD's	-			300,000	300,000		600,000
Lucy Branch WTP - Replace 10,000 Gal. Hydro Tank	-				190,000		190,000
Meadowbrook WTP - Add 16 x 12 Well #5	-			400,000			400,000
894 Meadowbrook & Ravines WTP Improvements	3,510,000						3,510,000
Meadowbrook WTP - Emerg. Generator Transfer Switch	-	175,000					175,000
Meadowbrook WTP - Aquastore Ground Storage Tank	-		750,000				750,000
Ridgecrest WTP - Replace Softstart & Crossline Starters with VFD's	-		850,000				850,000
Ridgecrest WTP - Sandblast and Paint GSTs and hydrotank	-				350,000		350,000
928 Orange Park South WTP - Well Site Driveway	20,000						20,000
1043 Greenwood - Replace soft start & crossline starters with VFD's	10,000						10,000
1042 Greenwood - Security Fencing	11,000						11,000
Old Jennings Road WTP - Replace 5,000 Gal. Hydro Tank	-			130,000			130,000
<b>Fleming/Pace Grid Water Treatment Plants:</b>							
Miscellaneous plant upgrades and major maintenance	-	75,000	20,000	60,000	20,000	20,000	195,000
985 Fleming Oaks WTP - Generator	40,000						40,000
Fleming Oaks WTP - Paint Exterior of the No. 1 GST	-			50,000			50,000
1007 Pace Island WTP - Repair #1 Ground Storage Tank	235,000						235,000
Pace Island WTP - Paint and Refurbish Tanks	-	120,000					120,000
1045 Pace Island WTP - 2,000 gal. Convault	25,000						25,000
<b>Other Water Treatment Plants:</b>							
1027 Water Department Paint Project 2016	486,888						486,888
Miscellaneous plant upgrades and major maintenance	-	640,300	70,000	70,000	70,000	70,000	920,300
Paint and Refurbish Structures	-	440,000		25,000			465,000
Peters Creek WTP - Land Costs	-	75,000					75,000
Peters Creek WTP - Plant Expansion & #3 Well	-		1,800,000				1,800,000

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	FISCAL YEAR	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	
	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	
1015 Peters Creek WTP - Installation of Fire Pump	30,000						30,000
Paint and Refurbish Tanks	-	135,000					135,000
1009 Peter's Creek WTP - Procurement of Hydro Tanks for Pier Station and Peters Creek WTPs	174,000						174,000
983 Meadow Lake WTP - #2 Ground storage tank & Electric Service upgrade	800,000	200,000					1,000,000
988 Meadow Lake WTP - Water main to #1 Ground storage tank	56,148						56,148
1044 Meadow Lake WTP - Replace No. 1 Hydro Tank (10,000 gal.)	160,000						160,000
Meadow Lake WTP - Repair and Restore the #1 and #2 Glass fused GST's.	-		300,000				300,000
Spencers WTP - Ground Storage & High Service Pump	-		440,000				440,000
999 Spencers WTP - Convault for Generator	5,757						5,757
Pier Station WTP - Add Second 5,000 gal. Hydro Tank	-	127,000					127,000
Pier Station WTP - Drill Second Well	-					230,000	230,000
Ravines WTP - Security Fencing	-	40,000					40,000
Ravines WTP - Add a No. 3 Well	-			300,000			300,000
Ravines WTP - Replace 10,000 Gal. Hydro Tank	-					190,000	190,000
Tanglewood WTP - Replace Emergency Generator	-			150,000			150,000
Tanglewood WTP - 2,000 Gal. Convault Tank	-			35,000			35,000
Tanglewood WTP - Repair and reseal No. 1 Glass Fused GST	-	150,000					150,000
Keystone - Geneva Lake Estates WTP - Miscellaneous Plant Upgrades	-	5,000	5,000	5,000	5,000	5,000	25,000
Keystone - Geneva Lake Estates WTP - Replace 3,000 Gal. Hydro Tank	-			60,000			60,000
1008 Keystone Club Estates - Plant Upgrades	13,000			1,000,000	900,000		1,913,000
1024 Middleburg HS Replace Roof	-						-
878 Kingsley Lake WTP - Miscellaneous	40,000	5,000	5,000	5,000	5,000	5,000	65,000
Kingsley Lake WTP - New Well	-	70,000					70,000
<b>Reclaimed Water Plants:</b>							
Miscellaneous plant upgrades and major maintenance	49,500	35,000	35,000	35,000	35,000	35,000	224,500
Paint and Refurbish Tanks	-		320,000				320,000
Mid-Clay Reclaimed WP - Install 3rd High Service Pump	70,000						70,000
Oak Leaf RWP - Install 3rd High Service Pump	-	70,000					70,000
<b>Miller Street WWTP:</b>							
Miller St. WWTP - Complete Paving of Loop Road	-	30,000					30,000
Miller St. WWTP - Miscellaneous Plant Upgrades	-	55,000	35,000	35,000	35,000	35,000	195,000
917 Miller St. WWTP - Concrete aerator, brush bridges replace & demolish old C12 chamber	1,565,660						1,565,660
Miller St. WWTP - Paint Clarifiers	-	143,000					143,000
Miller St. WWTP - Paint Lime Silo	-	40,000					40,000
Miller St. WWTP - 2.2 M Ground Storage Tank	-			2,750,000			2,750,000
Miller St. WWTP - Refurbish Influent Structure (Exterior)	-	140,000					140,000
Miller St. WWTP - Upgrade Portolet Discharge Facilities	-	150,000					150,000
Miller St. WWTP - Replace Grit Structure Roof	-	20,000					20,000
<b>Ridaught WWTP:</b>							
Ridaught WWTP - Miscellaneous Plant Upgrades And Improvements	-	133,552	35,000	35,000	35,000	35,000	273,552
Ridaught WWTP - Refurbish Influent Structure - Intermediate Chamber Only	-	225,000					225,000
Ridaught WWTP - Install Micro-screen and Grit Removal Equipment	-	500,000					500,000
<b>Fleming Island Regional WWTP:</b>							
Fleming Island Reg. WWTP - Paint Clarifier #1	-	40,000					40,000
Fleming Island Reg. WWTP - Miscellaneous Plant Upgrades	-	70,000	35,000	35,000	35,000	35,000	210,000

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	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	
Fleming Island Reg. WWTP - Repair/Restoration of #1 BTU	-			2,500,000			2,500,000
Fleming Island Reg. WWTP - #3 BTU Installation, Design	-					50,000	50,000
Fleming Island Reg. WWTP - 2nd BCR Plant, Two Tanks	-					250,000	250,000
<b>Mid Clay WWTP:</b>	-						
Mid Clay WWTP - Miscellaneous Plant Upgrades	-	30,000		20,000	20,000	20,000	90,000
<b>Ravines WWTP:</b>	-						
Ravines WWTP - Misc. Plant Upgrades	-	25,000					25,000
Ravines WWTP - Paint & Rehab Tanks	-	65,000					65,000
<b>Spencers WWTP:</b>	-						
Spencers WWTP - Miscellaneous Plant Upgrades	70,000	35,000	35,000	35,000	35,000	35,000	245,000
Spencers WWTP - Paint Reject Tanks	-	125,000					125,000
Spencer WWTP - Reject Storage Ponds	-	375,000					375,000
Spencer WWTP - Paint Reuse Storage tanks	-	24,000					24,000
Spencer WWTP - Upgrade BCR Tanks to 15K from 10K	-		850,000				850,000
Spencer WWTP - Upgrade BCR Screw and Disc Thickeners	-		750,000				750,000
<b>Peters Creek WWTP:</b>	-						
Peters Creek WWTP - Miscellaneous Plant Upgrades	-	45,000	20,000	20,000	20,000	20,000	125,000
<b>Keystone WWTP Plant And Collection System</b>	-						
Keystone WWTP - Miscellaneous Plan Upgrades	-	20,000	20,000	20,000	20,000	20,000	100,000
Keystone WWTP - Paint Clarifier (30'Dx16'H)	-	110,000					110,000
<b>Other:</b>	-						
1026 Miscellaneous Paint Projects	142,718	21,722					164,440
BCR Tank Rehab at Various Plants	-		450,000				450,000
<b>All Systems:</b>	-						
Unidentified System Renewal & Replacement	-						-
General Capital Projects Contingency	238,311	100,000	100,000	100,000	100,000	100,000	738,311
100 Departmental Capital	1,310,036	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	6,310,036
Water & Wastewater System Rehab	1,851,510	2,000,000	1,000,000	1,000,000	1,000,000	1,000,000	7,851,510
Miscellaneous Trunk Main Upgrades	661,414	150,000	150,000	150,000	150,000	150,000	1,411,414
Various Relocations & ROW Acquisitions	-	752,911	200,000	200,000	200,000	200,000	1,552,911
845 Manhole Repairs	595,000	100,000	100,000	100,000	100,000	100,000	1,095,000
1041 Manhole Task Order 6	17,253						17,253
Upgrade Various Lift Stations, including hydro tanks	-	426,159	50,000	50,000	50,000	50,000	626,159
668 Lift Station Back up Generators Phase V & VI	1,273,724						1,273,724
790 Fire Hydrant Replacement and Rehab	725,000						725,000
860 Monticello Lift Station Rehab	70,000						70,000
<b>Kingsley System Distribution &amp; Collection:</b>	-						
890 Arora Blvd Force Main Replacement	1,022,281						1,022,281
Collection System Hydro tank upgrades	-	100,000	350,000	50,000	50,000	50,000	600,000
755 Upgrade Liftstation 9 - Meadowbrook	5,600	104,400					110,000
920 Raggedy Pt. Rd. - Gravity Extension to Eliminate LS 8	116,963						116,963
Lift Station Generators (163 & 165)	-	40,000					40,000
1022 Constitution Dr - Gravity Sanitary Sewer Rehabilitation	683,000						683,000
1034 Intersection-Blanding, Constitution and Bolton 8" Gravity Sewer Rehab	18,790						18,790
1032 Multiple LS Rehabilitation- Stations: 14, 33, 39, 58,64 and 66	782,000						782,000

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1049 Meadowbrook Unit 2 - Woodside Court Water Main Rehabilitation	50,000						50,000
1048 Bellair Unit 7 - Elk Court Water Main Rehabilitation	50,000						50,000
1016 Water Service Replacement under railroad at Doctors Lake Drive and Woodland Drive	15,589						15,589
998 Lift Station 16 Upgrade and Relocation	426,381						426,381
1028 Task Order 29-Bellair-Meadowbrook-Parkwest-Foxridge-Heritage Hills- 4 Winds Apts	880,000						880,000
Bellair Unit 4 - Sigsbee Ct. and Gano Ct. upgrade water main from 2" to 4"	120,000						120,000
Orange Park High School Pressure Reducing Valve	45,000						45,000
Blanding Blvd. Pressure Reducing Valve	45,000						45,000
The Meadows Pressure Reducing Valve	45,000						45,000
Lift Station Rehabilitation (2,4,6,43,45 and52)	-	317,000					317,000
Lift Station 41 Rehabilitation (41,72 and 98)	-	198,500					198,500
Water Main Replacement, Loma PL 2"	-	75,000					75,000
Water Main Replacement, Lido PL 2"	-	75,000					75,000
Water Main Replacement, Virginia Court 2"	-	50,000					50,000
Water Main Replacement, Jonathan Court 2"	-		50,000				50,000
Water Main Replacement, Warren Court 2"	-		50,000				50,000
Water Main Replacement, Geannette Court 2"	-		50,000				50,000
Water Main Replacements, Mitchell Court 2"	-		50,000				50,000
LS 40 OPCC Repair	30,000						30,000
<b>Spencers System Distribution &amp; Collection</b>	-						
Miscellaneous Trunk Main Upgrades	433,965	100,000	100,000	100,000	100,000	100,000	933,965
<b>Clay System Distribution &amp; Collection:</b>	-						
Maverick Trails Apts.-Sewer Repair	-	25,000					25,000
Foxwood - Disconnect and secure water main to old plant site.	-	10,000					10,000
Cost Share - Extension from Mayfield Annex to Blanding	-	37,800					37,800
CR 220, 220A, SR21, Long Bay Water and FM Extensions	-						-
1005 Lift Station 165 Angora Bay Generator	-	40,000					40,000
1037 Greenwood Unit 1 Replace 10" water main with thin wall pipe	565,000						565,000
Coppergate and Blanding Pressure Reducing Valve	40,000						40,000
Lift Station Rehabilitation (67 and 69)	-	133,500					133,500
Long Bay Road. From Warm Springs Road. To CR220	-	425,000					425,000
Long Bay Road From CR-220 to Blanding	-	360,000					360,000
Blanding from Long Bay into Middleburg	-	155,000					155,000
CR-220 from MBHS to Blanding	-		375,000				375,000
CR-220 from Blanding to Long Bay	-		200,000				200,000
Blanding Blvd. from Azalea Ridge to CR-220	-			235,000			235,000
Blanding Blvd. from CR-220 to Long Bay	-		485,000				485,000
<b>Mid Clay System Distribution &amp; Collection:</b>	-						
Sandridge To Meadowlake 12" Water Loop	90,900						90,900
1020 Liftstation 107 Driveway Rehabilitation	10,000						10,000
1021 Liftstation 163 Rehabilitation	50,000						50,000
Aldersgate St. 6" WM Replacement	-	220,000					220,000
Wesley Road 6" WM Replacement	-	426,500					426,500
<b>Ravines System Distribution &amp; Collection:</b>	-						
1047 CR 218 Bridge Utility Relocations for FDOT Project	500,000						500,000

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	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	
<b>Keystone Distribution System:</b>							
1031 Clay Electric Cooperative Cost Share_Developer Agreement KH14/15-2	72,402						72,402
1036 Keystone 8-inch Water Main Extension/Hallman Road	33,696						33,696
Keystone - Master Plan WM - Mossy Oaks to Geneva Lake Est.	-			900,000			900,000
1039 Keystone - Bradford County	22,000	22,000					44,000
<b>Clay System Reuse Transmission &amp; Distribution System:</b>							
Old Jennings Estimated Cost Share on oversizing to Commercial Stub	-	40,000					40,000
1001 State Road 21 & Middleburg High School Force Main Relocation for DOT	81,000						81,000
939 CR209 to Appalachicola - Reroute 20" Reclaimed main	903,840						903,840
<b>Kingsley System Reclaimed Water Transmission &amp; Distribution System:</b>							
Spencer's WWTP to Lower St. Johns River Flow Diversion	-		285,000				285,000
Old Hard Rd - Reclaimed & Relocation due to County Paving Project	-	25,000					25,000
883 Blanding - Rehab 24" HDPE and Clean 16" Reclaimed Main	-		500,000				500,000
<b>All Systems:</b>							
886 Reclaimed - Scada System Master Control Plan	713,847						713,847
Water System SCADA	-			750,000			750,000
Lift Station SCADA System	-				750,000		750,000
Miscellaneous Electrical Upgrades at various location for ARC Flash	-	350,000	50,000	50,000	50,000		500,000
Maintenance Facility Phase II & Paving	-			870,000			870,000
Equipment Storage Facility, Pond & Fencing	-			1,020,000			1,020,000
839 Main Office Paving and Stripping Rehab	105,000						105,000
Water Plant Security Upgrades	-	72,000	25,000	25,000	25,000		147,000
Waste Water Plant Security Upgrades	-	75,000	25,000	25,000	25,000		150,000
<b>SERVICE EXPANSION</b>							
<b>Other Water Treatment Plants:</b>							
1029 Keystone WTP - Postmasters Village Second Ground Storage Tank (500,000 gal).	1,005,000						1,005,000
CR218 & 301 Industrial Park - Phase I Plant (Highlands DRI)	-					2,000,000	2,000,000
889 WTP - Industrial Development and Prison south of GCS, net of CIAC	158,697						158,697
1014 Governors Park WTP - Plant Design and Construction	2,400			1,997,600			2,000,000
<b>Reclaimed Water Plants:</b>							
Ridaught RWP - 750K Ground Storage Tank	-		937,500				937,500
Ridaught RWP - Install 3rd High Service Pump	-		70,000				70,000
Green Cove Regional Reclaimed WTP	-			2,000,000			2,000,000
1040 Old Jennings Road RWTP - Ground Storage Tank	1,000,000						1,000,000
North Middleburg (Tynes) RWP-750k Ground Storage Tank and High Service Pumps	-		2,500,000				2,500,000
<b>Fleming Island Regional WWTP:</b>							
1025 Fleming Island Reg. WWTP - #4 Clarifier	1,850,000						1,850,000
<b>Mid Clay WWTP:</b>							
1017 Mid-Clay WWTP - Design and Construction	7,590,000	13,500,000					21,090,000
<b>Spencers WWTP:</b>							
Spencer WWTP - #4 Clarifier	-		1,400,000				1,400,000
<b>Peters Creek WWTP:</b>							
Peters Creek WWTP - Land Acquisition	-	634,050					634,050
Peters Creek WWTP - Phase II	-			2,000,000			2,000,000
Peters Creek WWTP - Phase III Expansion	-				100,000	5,000,000	5,100,000



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<b>ALTERNATIVE WATER SUPPLY</b>	
838	Keystone Heights Surficial Aquifer & Lakes Replenishment Program (IWRP)
991	First Coast Outer Beltway (FCOB) Storm Water Harvesting Pilot Project
	Aquifer Storage & Recovery (ASR) - Hydrogeologic Well Construction and Testing
	AWS Development
<b>TOTAL CAPITAL EXPENDITURES</b>	
<b>Fund Balance September 30,2017-2018-2019-2020-2021-2022</b>	

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2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	
-						
352,138						352,138
17,850	1,232,150					1,250,000
-	2,000,000					2,000,000
-		2,000,000	5,000,000	5,000,000	5,000,000	17,000,000
\$ 46,175,250	\$ 32,568,254	\$ 22,057,500	\$ 33,162,600	\$ 11,240,000	\$ 16,395,000	\$ 161,598,604
\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -	

**Capital Expenditures Breakdown:**

Renewal, Replacement & Betterment	22,349,171	13,135,344	12,115,000	14,745,000	5,720,000	3,850,000	71,914,515
Service Expansion	23,456,091	16,200,760	7,942,500	13,417,600	520,000	7,545,000	69,081,951
Alternative Water Supply	369,988	3,232,150	2,000,000	5,000,000	5,000,000	5,000,000	20,602,138
	46,175,250	32,568,254	22,057,500	33,162,600	11,240,000	16,395,000	161,598,604