

**Clay County Utility Authority**  
**2019/2020 Capital Projects Expenditures Budget**  
**And Five Year Capital Projects Plan**  
**Adjusted for Prior Year Jobs Not Completed as of 3/31/2019**

		ADJUSTED						
		FISCAL YEAR	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	Fiscal Year	TOTALS
		2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	
<b>REVENUES:</b>								
Balance October 1, 2018, to include Transfers		64,979,157						64,979,157
Funds Spent on Jobs Prior to FY 2018/2019		(39,630,994)						(39,630,994)
Renewal, Replacement & Betterment		2,106,362	2,146,425	2,210,818	2,277,142	2,345,457	2,415,820	13,502,024
Departmental Capital Transfer		2,011,118	250,000	1,000,000	1,000,000	1,000,000	1,000,000	6,261,118
Environmental Reuse Capital Fund Transfer		928,325	999,650	1,013,802	1,028,314	1,042,826	1,057,338	6,070,255
Capacity Fees Transfer		1,291,150	1,141,746	1,799,280	2,099,160	2,399,040	2,698,920	11,429,296
Grant Revenue		-	4,200,000	1,000,000	1,000,000	1,000,000	1,000,000	8,200,000
Alternative Water Supply Transfer		574,824	613,422	641,242	670,156	700,197	721,203	3,921,045
Debt Stabilization		10,268,944	-	-	-	-	-	10,268,944
Surplus Transfer (Operating Contingency Utility & Capital Reserve, includes add'l R&R)		3,730,713	3,592,332	3,700,102	3,811,105	3,925,438	4,043,201	22,802,891
Restricted Interest Earnings		9,748	15,888	15,888	15,888	15,888	15,888	89,188
Borrowing/Utilization of Surplus Funds if needed		2,534,596	58,948,183	22,394,368	5,791,734	38,171,154	8,965,130	136,805,165
Balances After Transfers		48,803,943	71,907,646	33,775,500	17,693,500	50,600,000	21,917,500	244,698,089
<b>CAPITAL EXPENDITURES:</b>								
<b>RENEWAL, REPLACEMENT &amp; BETTERMENT</b>								
	11 TEAM valve installations	-	286,000					286,000
	602 Lake Asbury Road to Aldersgate Drive	-	625,000					625,000
	Aldersgate St. 6" WM Replacement	220,000						220,000
01819RR	Bottomridge Drive Utility Adjustments	380,000						380,000
	Branscomb Road to Arthur Moore Drive	-	375,000					375,000
839	CCUA Main Office Paving and Stripping Rehab	103,500						103,500
	Circleridge Drive: replace galvanized water services	-	225,000					225,000
	Coopergate and Blanding Pressure Reducing Valve	40,000						40,000
100	Departmental Capital	2,397,982	250,000	1,000,000	1,000,000	1,000,000	1,000,000	6,647,982
790	Fire Hydrant Replacement and Rehab	643,536						643,536
00318RR	Fleming Island Outfall Dock Repair	1,313,044						1,313,044
	Fleming Island Reg. WWTP - #3 BTU Installation, Design	750,000	6,750,000					7,500,000
	Fleming Island Reg. WWTP - 2nd BCR Plant, Two Tanks	500,000	5,500,000					6,000,000
	Fleming Island Reg. WWTP - Repair/Restoration of #1 BTU	-	2,500,000					2,500,000
	Fleming Oaks WTP: Replace roof on the pump, bleach, and generator buildings	-	30,000					30,000
02818RR	Greenwood Sanitary Sewer Renewal and Replacement Phase I	541,583						541,583
1037	Greenwood Unit 1 Replace 10" water main with thin wall pipe	989,367						989,367
1008	Keystone Club Estates - Plant Upgrades	13,000	1,000,000	900,000				1,913,000
	Keystone Heights - Brooklyn Bay Road Water Main Rehabilitation	-	9,000					9,000
	Keystone Heights - Lakeside Street/Hilltop Street Water Main Rehabilitation	-	115,500					115,500
	Kingsley Cove WTP Tube Storage Tank	175,000	125,000					300,000
878	Kingsley Lake WTP - Miscellaneous	24,001						24,001
	Kingsley Lake WTP - New Well	70,000	80,000					150,000
967	Knight Boxx/Old Jennings Force Main Extension	204,885						204,885
	Life Station 41 Rehabilitation (41, 72, and 98)	198,500						198,500
	Lift Station 124 Tuscany Glen Generator	-	43,542					43,542
	Lift Station 142 Magnolia West Generator	-	43,542					43,542
	Lift Station 151 Oakleaf Autumn Glen Generator	-	43,542					43,542

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		FISCAL YEAR	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024		
		2018/2019							
	Lift Station 163 Spencer's Lake Generator	-	43,542						43,542
1005	Lift Station 165 Angora Bay Generator Installation	90,000							90,000
	Lift Station 172 Azalea Ridge 1A Generator	-	69,719						69,719
	Lift Station 2,4,6,14,9,62,40,22,41,72,98,43,45,52	-	364,000						364,000
	Lift Station 25 Generator Replacement	45,000							45,000
	Lift Station 28 Generator Replacement	70,000							70,000
	Lift Station Generators (163 & 165)	40,000							40,000
	Lift Station Rehab 11,24,31,48,51, 59,69,75,78,88,89	-	1,357,400						1,357,400
	Lift Station Rehabilitation (2,4,6,43,45 and 52)	317,000							317,000
	Lift Station Rehabilitation (67 & 69)	133,500							133,500
	Lift Station SCADA System	-		750,000					750,000
02018RR	Lucy Branch Maintenance Building Repairs and Renovations	109,260							109,260
	Lucy Branch WTP - Replace 10,000 Gal. Hydro Tank	-		190,000					190,000
	Lucy Branch WTP - Replace electrical system and install softstarts and VFD's	-		600,000					600,000
845	Manhole Repairs	297,395	100,000	100,000	100,000	100,000	100,000		797,395
	Maverick Trails Apts.-Sewer Repair	25,000							25,000
	Meadow Lake WTP - Repair and Restore the #1 and #2 Glass fused GST's.	300,000							300,000
	Meadowbrook WTP - Add 16 x 12 Well #5	-	400,000						400,000
	Meadowbrook WTP - Aquastore Ground Storage Tank	750,000							750,000
	Meadowbrook WTP: Remove aerator and replace/reinforce roof	-	900,000						900,000
	Meadowbrook WTP: Repair GST No. 2	-	900,000						900,000
	Middleburg HS WTP: Replace electrical controls for HS pumps and wells	-		45,000					45,000
	Middleburg HS WTP: Replace wellhead and raise above grade	-		55,000					55,000
	Miller St. WWTP - 2.2 M Ground Storage Tank	-	2,750,000						2,750,000
	Miller St. WWTP - Complete Paving of Loop Road	30,000	120,000						150,000
	Miller St. WWTP - Refurbish Influent Structure (Exterior)	140,000							140,000
	Miller St. WWTP - Replace Grit Structure Roof	20,000	10,000						30,000
	Miller St. WWTP - Upgrade Portolet Discharge Facilities	150,000							150,000
	Neptune Road connection of existing parallel water mains	-	45,000						45,000
	Oakleaf WTP: Replace electrical controls for HS pumps and wells	-	45,000						45,000
	Old Jennings Road WTP - Replace 5,000 Gal. Hydro Tank	-	130,000						130,000
	Old Jennings Road WTP: Replace electrical controls for HS pumps and wells	-		45,000					45,000
1045	Pace Island WTP - 2,000 gal. Convault	35,000							35,000
	Pace Island WTP: Replace Hydrotank	75,000	35,000						110,000
00518RR	Pier Station WTP - Add Second 5,000 gal. Hydro Tank	423,347							423,347
	Pier Station WTP - Drill Second Well	-	100,000	950,000					1,050,000
	Ravines Off-Site Mains - Middleburg W&S Extensions (Middleburg Service Area)	1,238,000							1,238,000
	Ravines WTP - Add a No. 3 Well	40,000	500,000						540,000
	Ravines WTP - Replace 10,000 Gal. Hydro Tank	-			190,000				190,000
	Ridaught WTP: Remove old collapsing valve box and re-establish above grade	-	75,000						75,000
	Ridaught WTP: Replace Aerator	-	70,000						70,000
	Ridaught WWTP - Install Micro-screen and Grit Removal Equipment	500,000	200,000						700,000
	Ridaught WWTP - Refurbish Influent Structure-Intermediate Chamber Only	225,000							225,000

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		2018/2019							
	Ridaught WWTP: Rehabilitation of Clarifier No. 2	-	1,000,000						1,000,000
	Ridgecrest WTP - Replace Softstart & Crossline Starters with VFD's	850,000							850,000
01319RR	Spencer WWTP - Upgrades (BCR Screw and Disc Thickeners, Tanks to 15K from 10K)	1,223,133							1,223,133
	Spencers WTP - Ground Storage & High Service Pump	-			70,000	600,000			670,000
	Spencer's WTP: Refurbish well No. 2	-	40,000						40,000
	Spencer's WTP: Replace electrical controls for HS pumps and wells	-	45,000						45,000
	Spencer's WWTP to Lower St. Johns River Flow Diversion	285,000							285,000
	Tanglewood WTP - Repair Glass Fused GST's No. 1 and 2	165,000							165,000
	Tanglewood WTP - 2,000 Gal. Convault Tank	-	35,000						35,000
	Tanglewood WTP - Replace Emergency Generator	-	150,000						150,000
	Tanglewood WTP: Replace electrical controls for HS pumps and wells	-		45,000					45,000
01018RR	TO #30 Wwtr Main rehab - Doshire - Calvedos	6,971							6,971
755	Upgrade Lift station 9-Meadowbrook	103,907							103,907
	US 17 Loop Water Main on the East Side Raggedy Point to Allegro	150,000							150,000
	Waste Water Plant SCADA Controls	-				1,000,000			1,000,000
	Water Main Replacement, Geannette Court 2"	50,000							50,000
	Water Main Replacement, Jonathan Court 2"	50,000							50,000
00819WL	Water Main Replacement, Virginia Court 2"	50,000							50,000
	Water Main Replacement, Warren Court 2"	50,000							50,000
	Water Main Replacements, Mitchell Court 2"	50,000							50,000
	Water System SCADA	-	750,000						750,000
	Wesley Road 6" WM Replacement	426,500							426,500
<b>SYSTEM EXPANSION</b>									
01219RR	2018-120 Circle Ridge Drive Utility Relocations	139,923							139,923
1046	Brannen Mill Extension - Challenger Center	2,199,964							2,199,964
	CCUA Administrative Complex Expansion (Master Planned Phase I)	-	1,250,000	1,250,000					2,500,000
	CCUA Administrative Complex Expansion (Master Planned Phase II)	-					2,500,000		2,500,000
01419RR	CCUA Campus Master Plan Update	100,000							100,000
	Cost Share - Extension from Mayfield Annex to Blanding (Developer Agreement)	37,800							37,800
	CR218 Utility Main Extensions	150,000	1,500,000	1,000,000					2,650,000
234	Electronic Water Meters_Growth	820,000	225,000	225,000	225,000	225,000	225,000		1,945,000
991	FCOB Ph 3-Preliminary Design & Pilot Project Final Design	1,224,125							1,224,125
03218WL	FCOB Utility Crossings	500,000	1,500,000	1,500,000					3,500,000
1025	Fleming Island Reg. WWTP - #4 Clarifier	216,530							216,530
1014	Governor's Park WTP Design and Build	-		5,200,000					5,200,000
1013	Governor's Park WWTF Design and Build	-		5,000,000					5,000,000
	Green Cove Regional Reclaimed WTP	-			500,000	3,000,000			3,500,000
01119WL	Henley Road 12" WM Loop - Sandridge to Small Lake	96,050							96,050
	Infill Projects	961,680	100,000	100,000	100,000	100,000	100,000		1,461,680
1039	Keystone - Bradford County	27,292							27,292
	Keystone - Master Plan WM - Mossy Oaks to Geneva Lake Est.	-	900,000						900,000
	Keystone Airport Sewer Main Extensions	500,000							500,000
	Keystone Airport Waste Water Plant Construction	2,000,000							2,000,000

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		2018/2019							
	Keystone Airport Water Main Extensions	500,000							500,000
	Keystone Airport WTP	1,000,000							1,000,000
	Keystone Wastewater Treatment Plant - Phase II Construction	-	650,000	6,500,000					7,150,000
	LS #62 (Jefferson Square) Force Main Extension	490,000							490,000
00983WP	Meadow Lake WTP-New Ground Storage Tank and Electrical Service upgrade	1,626,573							1,626,573
	Mid Clay WWTP - Phase II Plant Expansion	750,000	7,000,000	1,250,000					9,000,000
	Mid-Clay Reclaimed WP - Install 3rd High Service Pump	70,000							70,000
	North Middleburg Force Main Extension	-	500,000						500,000
	North Middleburg Master Pump Station	-	750,000						750,000
	North Middleburg Water Main Extension and Interconnection	2,000,000	735,000						2,735,000
	Oak Leaf RWP - Install 3rd High Service Pump	70,000							70,000
	Old Jennings Rd-Estimated Cost Share on oversizing to Commercial stub (Developer Agreement)	40,000							40,000
01118RR	Peters Creek WTP - Land Costs	60,574							60,574
	Peter's Creek WTP 2nd GST	-				650,000			650,000
	Peter's Creek WTP 3rd Well	-		500,000					500,000
01218WP	Peter's Creek WTP Expansion & Upgrades	3,189,635							3,189,635
	Peters Creek WWTP - Land Acquisition	93,050	700,000						793,050
	Peters Creek WWTP - Phase II	2,000,000							2,000,000
	Peters Creek WWTP - Phase III Expansion w/ BCR	-			2,000,000	20,000,000			22,000,000
	Pier Station E/W WM Extension and Interconnect (State Road 16 and FCOB)	-				750,000	1,500,000		2,250,000
	Pier Station Force Main Extensions (State Road 16 and FCOB)	-				750,000	1,500,000		2,250,000
	Pier Station Master Pump Station (State Road 16 and FCOB)	-				75,000	500,000		575,000
	Pier Station WTP Expansion	-			2,500,000				2,500,000
	Pine Ridge Plantation West (Developer Agreement CU18/19-10)	73,730							73,730
	Ravines to Henly Road Water Main Extension	-	1,000,000	400,000					1,400,000
	Ravines to Lake Asbury Northern Interconnect	-	500,000	500,000					1,000,000
	Ravines WTP 2nd GST	-		100,000	650,000				750,000
	Ridaught RWP - 750K Ground Storage Tank	937,500							937,500
	Saratoga Springs Offsite Main Extensions	-	2,785,000						2,785,000
03118RP	Saratoga Springs RWP - Phase I	297,383	4,000,000						4,297,383
03018WP	Saratoga Springs WTP - Phase I	487,824	4,500,000						4,987,824
	Shadowlawn RWP - Phase 1	-			500,000	5,000,000			5,500,000
	Shadowlawn WTP - Phase I	-		500,000	5,000,000				5,500,000
	Spencer's Force Main Extensions	-			500,000				500,000
	Spencer's Master Pump Station and Force Main	-			750,000				750,000
	Spencer's Reclaimed Water Main Extensions	-			500,000	500,000			1,000,000
	Spencer's RWP	-				3,000,000			3,000,000
	Spencer's Water Main Extensions	-			500,000	500,000			1,000,000
01518SP	Spencer's WWTF Clarifier #4	2,001,521							2,001,521
	Spencer's WWTP: Phase 6 Expansion	-				750,000	5,500,000		6,250,000
01318RP	Tynes Reclaimed Water Plant (RWP) Design & Construction	2,856,101	1,845,000						4,701,101
	Village Park & Bradley Creek (Developer Agreement MU18/19-1)	208,500	258,078						466,578

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<b>ALTERNATIVE WATER SUPPLY</b>								
00119WP	Aquiver Storage & Recovery (ASR) - Hydrogeologic Well Construction and Testing	1,999,777						1,999,777
	AWS Development	2,000,000	2,000,000	2,000,000	1,000,000	8,000,000	7,000,000	22,000,000
	<b>Subtotals</b>	<b>48,803,943</b>	<b>60,933,865</b>	<b>30,705,000</b>	<b>16,085,000</b>	<b>46,000,000</b>	<b>19,925,000</b>	<b>222,452,808</b>
	<b>Contingency</b>		10,708,983	3,070,500	1,608,500	4,600,000	1,992,500	21,980,483
	<b>TOTAL CAPITAL EXPENDITURES</b>	<b>48,803,943</b>	<b>71,642,848</b>	<b>33,775,500</b>	<b>17,693,500</b>	<b>50,600,000</b>	<b>21,917,500</b>	<b>244,433,291</b>

*Capital Expenditures Breakdown:*

Renewal, Replacement & Betterment	17,078,411	38,944,770	7,750,500	2,968,500	7,300,000	3,092,500	77,134,681
System Expansion	27,725,755	30,698,078	24,025,000	13,725,000	35,300,000	11,825,000	143,298,833
Alternative Water Supply	3,999,777	2,000,000	2,000,000	1,000,000	8,000,000	7,000,000	23,999,777
	<b>48,803,943</b>	<b>71,642,848</b>	<b>33,775,500</b>	<b>17,693,500</b>	<b>50,600,000</b>	<b>21,917,500</b>	<b>244,433,291</b>