



Wastewater Revenue Bond Authorization

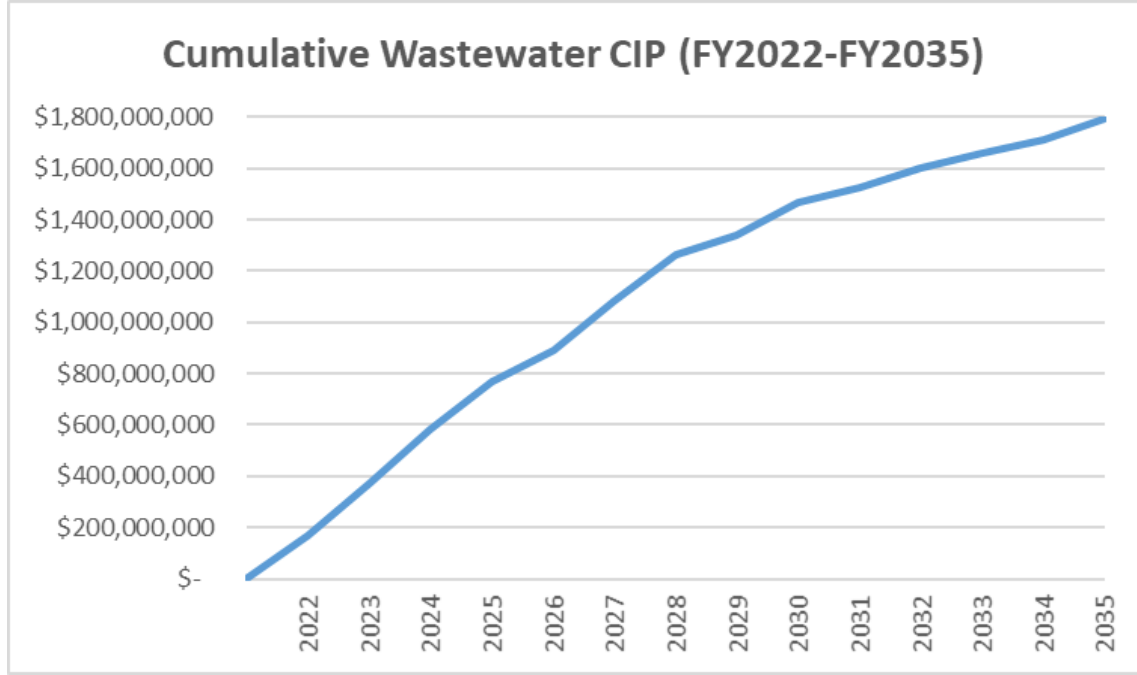
Ordinance #210593

August 4, 2021

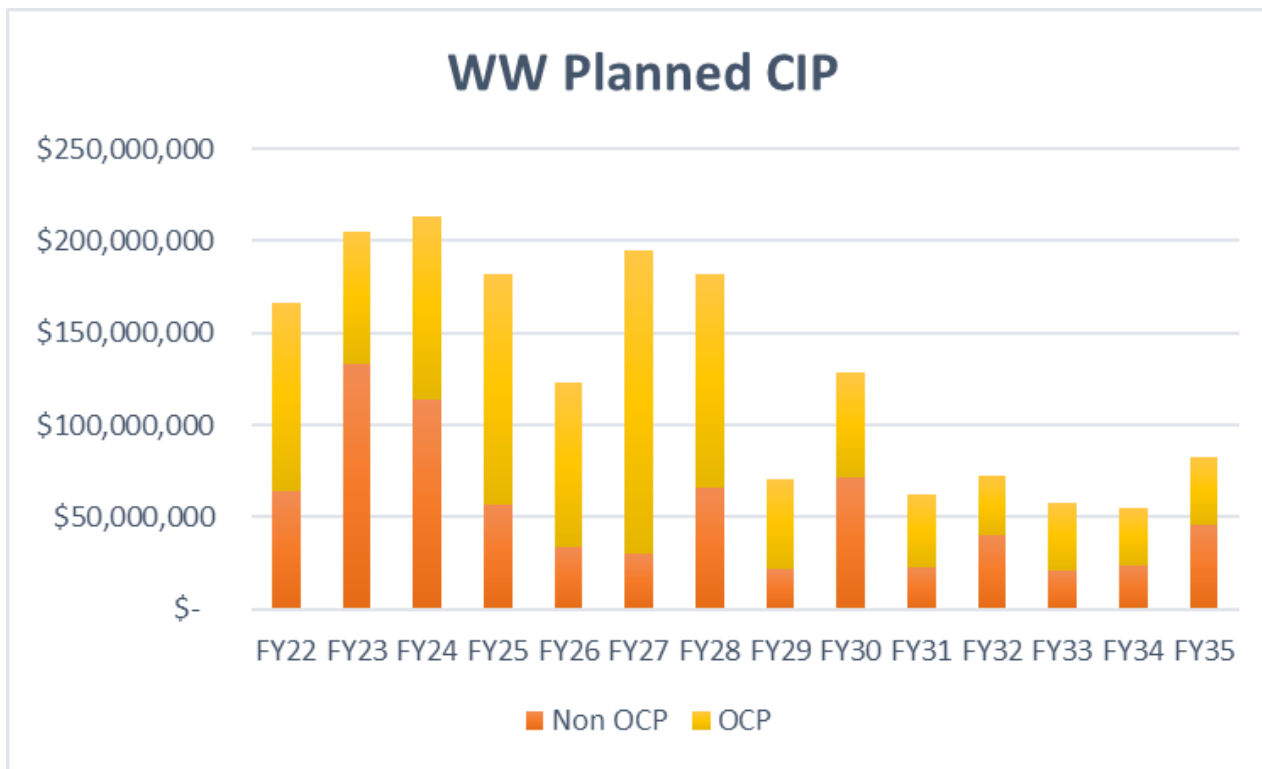


2022-2035 Wastewater CIP

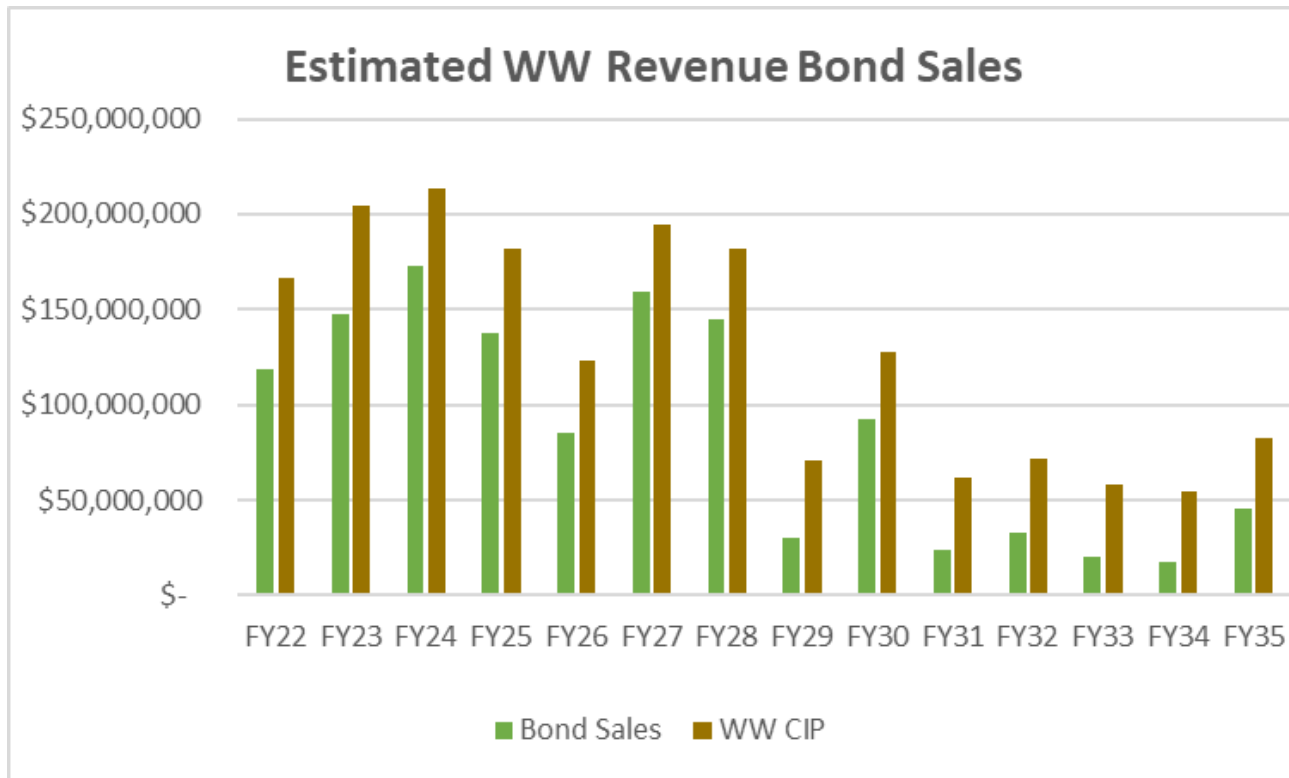
- KCMO Wastewater Utility is projected to have \$1.8 billion in capital expenditures between FY2022 and FY2035. Approximately \$1 billion will be for Consent Decree projects.



Projected Sewer CIP: OCP vs Non-OCP



Projected Wastewater CIP and Bond Sales



Projected Sewer CIP: Debt vs. Cash

<u>Fiscal Year</u>	<u>Cash</u>	<u>Bond Proceeds</u>	<u>Total Sources for CIP</u>
2022	\$ 48,000,000	\$ 118,602,900	\$ 166,602,900
2023	\$ 57,277,617	\$ 147,289,383	\$ 204,567,000
2024	\$ 40,941,277	\$ 172,601,723	\$ 213,543,000
2025	\$ 44,125,690	\$ 137,320,309	\$ 181,445,999
2026	\$ 37,765,118	\$ 85,234,882	\$ 123,000,000
2027	\$ 35,726,129	\$ 159,182,882	\$ 194,909,011
2028	\$ 36,517,631	\$ 144,931,451	\$ 181,449,082
2029	\$ 40,438,090	\$ 30,393,909	\$ 70,831,999
2030	\$ 35,440,100	\$ 92,624,900	\$ 128,065,000
Total 2022-2030	\$ 376,231,652	\$ 1,088,182,339	\$ 1,464,413,991
	26%	74%	
2031	\$ 38,514,268	\$ 23,603,732	\$ 62,118,000
2032	\$ 39,604,190	\$ 32,405,810	\$ 72,010,000
2033	\$ 37,975,318	\$ 20,024,682	\$ 58,000,000
2034	\$ 37,577,355	\$ 17,159,644	\$ 54,736,999
2035	\$ 36,910,225	\$ 45,769,776	\$ 82,680,001
Total 2022-2035	\$ 566,813,008	\$ 1,227,145,983	\$ 1,793,958,991
	32%	68%	

Bond Financing Options

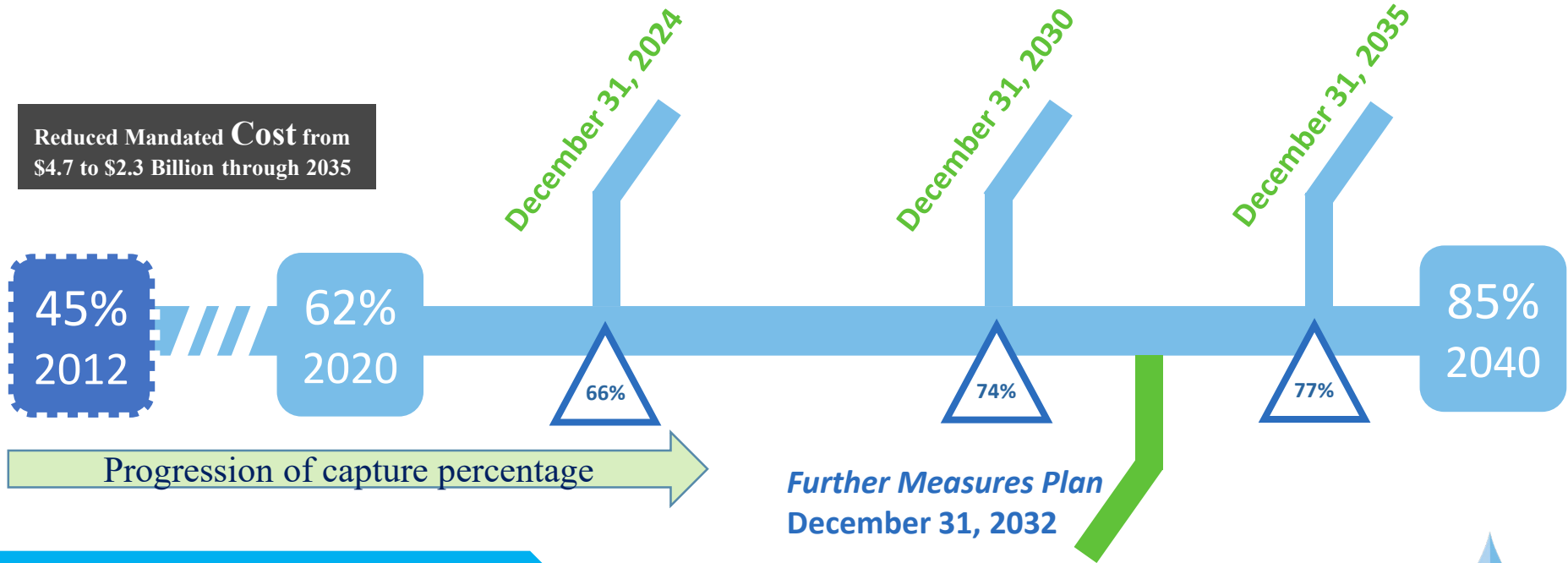
- Appropriation Debt
 - Pro: Voter authorization not required
 - Con: Higher debt service (usually 50 basis points (0.5%) higher) than voter approved Revenue Debt
- Traditional Revenue Bonds
 - Bond authorization from voters to issue / sell
 - KC Wastewater Utility currently rated one notch below AAA.
 - Pro: Good financing vehicle when multiple projects need to be completed in the same timeframe
 - Pro: Lower debt service (usually 50 basis points (0.5%) lower) than non-voter approved Appropriation debt
- SRF or WIFIA Loans used to buy Revenue Bonds
 - Bond authorization from voters
 - Pro: Significantly lower interest costs than an equivalent Revenue Bond
 - Pro: Great financing vehicle for large dollar capital projects
 - Con: Significantly more regulatory requirements and paperwork compared to issuing revenue or appropriation debt
 - Con: Dependent on funds awarded by State and Federal Government

Savings from Revenue Bond Authority

- Appropriation Debt
 - Assumptions: 3.5% Interest Rate, 25 Years, \$100M Bond
 - Interest Cost on \$100 Million Issued: \$51M
- Traditional Revenue Bonds
 - Assumptions: 3.0% Interest Rate, 25 Years, \$100M Bond
 - Interest Cost on \$100 Million Issued: \$43M
 - Savings of **\$8M** compared to using Appropriation Debt
 - On \$1 Billion in Bonds, Savings of **~\$80M** compared to using Appropriation Debt
- SRF Loans used to buy Revenue Bonds
 - Assumptions: 1.4% Interest Rate, 20 Years, \$100M Loan
 - Interest Cost on \$100 Million Loan: \$15M
 - Savings of **\$36M** compared to using Appropriation Debt
 - On \$1 Billion, Savings of over **\$100M** (depending on how much Revenue bonding authority is used to issue SRF Loans)

Modified Consent Decree: Reduced Mandated Cost, Longer Runway, and Increased Flexibility

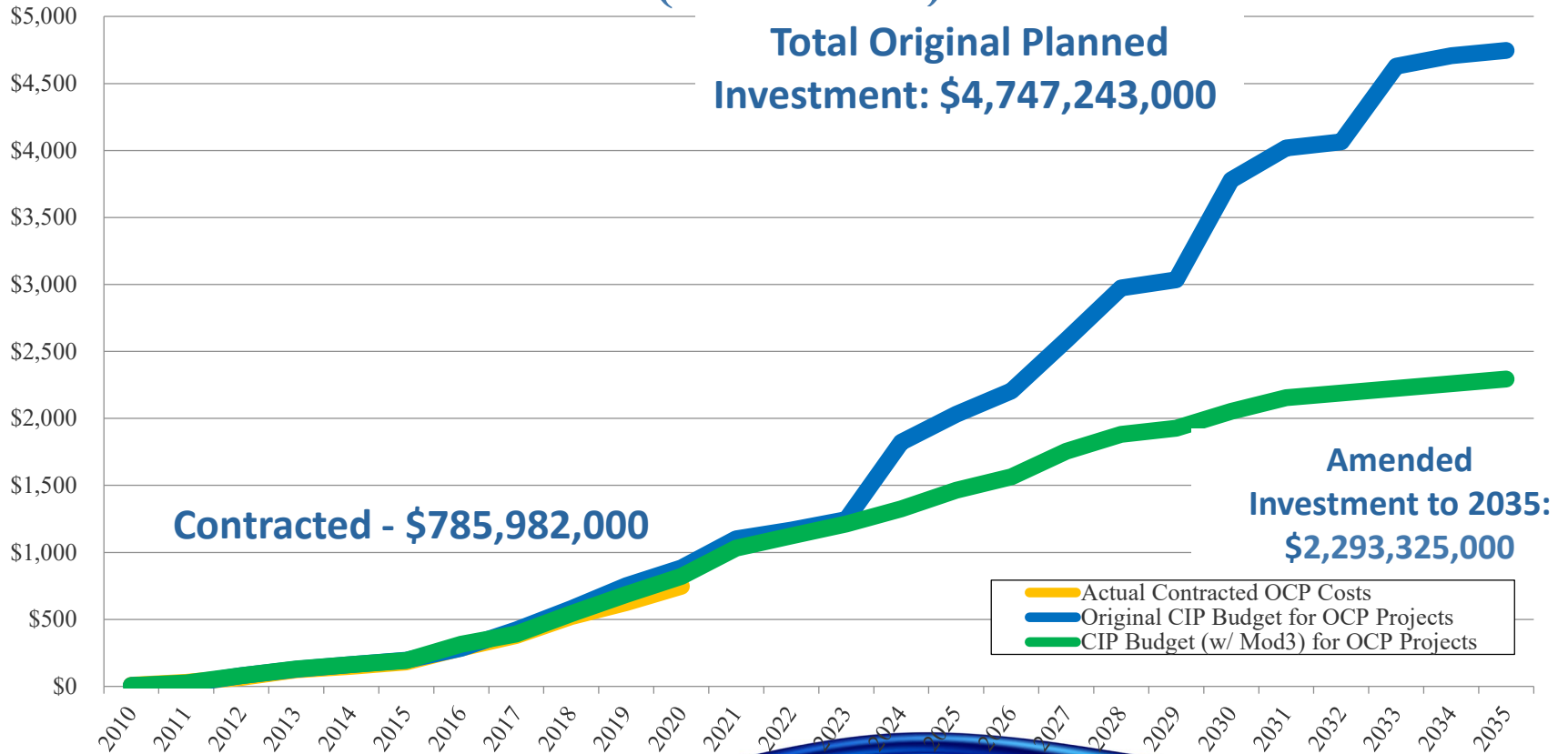
Reduced Mandated **Cost** from \$4.7 to \$2.3 Billion through 2035



Received COVID-19 schedule extensions for several active and future projects



Cumulative OCP Cash Flow Curve For Long-Term OCP (2010-2035)



Recent History of Wastewater Bond Authorization

- 82% majority vote in August 2012 to authorize the issuance of \$500 million in wastewater revenue bonds.

Wastewater Bonds					
	<u>Authorization</u>		<u>Cumulative</u>		<u>Remaining</u>
	<u>Used</u>		<u>Issued to Date</u>		<u>Authorization</u>
August 2012 Authorization					\$ 500,000,000
<u>Issuance to Date</u>					
2012A	\$	25,262,758	\$	25,262,758	\$ (25,262,758)
2016A	\$	150,000,000	\$	175,262,758	\$ (175,262,758)
2018A	\$	165,000,000	\$	340,262,758	\$ (340,262,758)
2019A	\$	59,737,242	\$	400,000,000	\$ (400,000,000)
2021SRF	\$	100,000,000	\$	500,000,000	\$ (500,000,000)

Projects for Sewer Issue 2012A

- 2012A was financed with a Sewer Revenue Bond using the remaining 2005 authorization and the beginning of the 2012 authorization
- 25 years, 2.74% Total Interest Cost

<u>Project</u>	<u>Amount</u>	<u>Project</u>	<u>Amount</u>
Turkey Creek WWPS Upgrades	\$ 15,310,959	Birmingham PS mid-range pumps	\$ 470,925
Streetcar Sewer Rehabilitation	\$ 7,342,348	I/I Reduc Blue River S Proj 4	\$ 390,000
2nd Creek Inter. Sewer Design	\$ 6,396,762	I/I Reduc Blue River N Proj 1	\$ 325,000
Small Sewer Rehab Middle Blue	\$ 6,195,918	Santa Fe PS CID In-Line Gates	\$ 297,049
First Creek Interceptor Sewers	\$ 5,740,942	Columbus Park Phase I Sewer	\$ 268,558
City Wide Sewer Rehab	\$ 4,089,887	Emergency North Bank Intercept	\$ 266,165
87th Street WWPS Rehab	\$ 3,670,000	Manhole install UpperRush PSta	\$ 248,746
Headquarters Parking Facility	\$ 2,172,500	Buckeye PS Rehab-ForceMain	\$ 243,900
Wastewater Master Plan	\$ 2,013,134	I/I Reduc BlueRvr Cntrl Proj 1	\$ 232,000
Paseo Sewer Tunnel Rehab	\$ 1,587,986	I/I Reduc Line/Rock Crk Proj 1	\$ 215,000
Small Sewer Rehab Lower Blue	\$ 1,446,608	I/I Reduc Line/Rock Crk Proj 2	\$ 199,581
NEID Installation-3 Bar Screen	\$ 1,389,306	I/I Reduc Blue River S Proj 3	\$ 185,000
Sewer Sep Outfalls 066/067	\$ 1,250,000	I/I Reduc Blue Cntrl Proj 1&2	\$ 165,000
Brush Creek NSR & I/I Proj 1&2	\$ 1,220,000	Sewer Separation Outfall 099	\$ 150,000
GI-Distrib Storage-Outfall 069	\$ 1,167,781	Stillwell-N Southern emergency	\$ 138,872
GI - Middle Blue River 059	\$ 1,149,580	Weatherby Lake WWPS Improvments	\$ 100,000
1720 Wabash Purchase	\$ 1,102,327	I/I Reduc BlueRiverS Proj 4&5	\$ 95,000
Sewer Sep Divers Structure 006	\$ 1,100,000	First Crk PS & Force Mains	\$ 70,009
Weatherby Lake Sewer Rehab	\$ 1,031,446	Round Grove WWPS Upgrade	\$ 40,232
I/I Reduction Blue Rvr So 1&2	\$ 999,900	Second Crk PS & Force Mains	\$ 10,207
SewerConsolOutfall 063/Sep099	\$ 980,000	Total for Projects	\$ 75,036,703
Harlem Sewer FM Rehab	\$ 942,781		
Birmingham WWTP Trnsformr Repl	\$ 782,118		
Small Sewer Rehab Town Fork	\$ 700,000		
Blue River Clarifier Replacmnt	\$ 600,000		
BH Headworks & Electrical Impr	\$ 543,177		

Projects for Sewer Issue 2016A

- 2016A was financed with a Sewer Revenue Bond
- 25 years, 3.01% Total Interest Cost

<u>Project</u>	<u>Amount</u>	<u>Project</u>	<u>Amount</u>
87th Street WWPS Rehab	\$ 16,767,684	Turkey Creek WWPS Upgrades	\$ 2,222,326
SewerConsolOutfall 063/Sep099	\$ 16,341,541	NSR NEID and Gooseneck Creek	\$ 1,790,294
GI-Distrib Storage-Outfall 069	\$ 14,243,331	Sewer Sep Outfalls 066/067	\$ 1,750,296
Small Sewer Rehab Town Fork	\$ 12,789,621	Gooseneck Arch Sewer Gate &PS	\$ 1,512,814
Small Sewer Rehab Middle Blue	\$ 9,855,905	Sanitary Sewer Southern Ave	\$ 1,210,504
GI - Middle Blue River 059	\$ 9,820,551	I/I Reduc Little Blue Proj 2	\$ 991,956
I/I Reduction Blue Rvr So 1&2	\$ 9,717,800	I/I Reduc Blue River S Proj 4	\$ 955,909
Sewer Sep Divers Structure 006	\$ 8,185,011	Santa Fe PS CID In-Line Gates	\$ 905,122
I/I Reduc Blue Cntrl Proj 1&2	\$ 7,669,275	Small Sewer Rehab Turkey CID	\$ 670,594
City Wide Sewer Rehab	\$ 6,996,661	Buckeye PS Rehab-ForceMain	\$ 500,000
I/I Reduc Line/Rock Crk Proj 2	\$ 6,973,045	I/I Reduction NorthernBasins2	\$ 487,485
MH Stabilization in Waterways	\$ 6,858,000	Brush Creek NSR & I/I Proj 1&2	\$ 409,220
Walnut Sewer Rehab	\$ 5,668,800	I/I Reduc Little Blue Proj 1	\$ 228,678
InLine Storage OK Creek Gates	\$ 5,491,054	I/I Reduc BlueRiverS Proj 4&5	\$ 41,611
I/I Reduc Blue River N Proj 1	\$ 3,297,952	Platte Woods WWPS Rehab	\$ 34,075
Birmingham PS mid-range pumps	\$ 2,714,476	Weatherby Lake WWPS Improvmnts	\$ 26,060
I/I Reduc Blue River S Proj 3	\$ 2,521,054	Total for Projects	\$ 159,648,704

Projects for Sewer Issue 2018A

- 2018A was financed with a Sewer Revenue Bond
- 25 years, 3.40% Total Interest Cost

<u>Project</u>	<u>Amount</u>	<u>Project</u>	<u>Amount</u>
Brush Creek NSR & I/I Proj 1&2	\$ 35,167,861	15th St Pump Station Upgrade	\$ 605,863
Westside WWTP Facility Upgrade	\$ 29,498,764	I/I Reduct Birmingham Shoal 3	\$ 550,040
Sewer Sep Outfalls 066/067	\$ 21,378,233	I/I Reduc Little Blue Proj 1	\$ 491,205
NSR NEID and Gooseneck Creek	\$ 17,734,288	Small Sewer Rehab Middle Blue	\$ 403,791
Small Sewer Rehab Turkey CID	\$ 11,492,016	I/I Reduc Little Blue Proj 2	\$ 398,062
Gooseneck Arch Sewer Gate &PS	\$ 9,254,945	BR Secondary Switchgear	\$ 329,772
ASR-City Wide Sewer Main Rehab	\$ 7,998,149	BH Headworks & Electrical Impr	\$ 108,832
I/I Reduc Blue River S Proj 4	\$ 5,051,269	Sewer Separation-40th & Monroe	\$ 95,013
InLineStorage&ConveyanceStudy	\$ 4,945,320	Blue River WWTP Biosolids Fac	\$ 66,065
MH Stabilization in Waterways	\$ 4,116,910	Todd Creek WWTP Facility Plan	\$ 64,104
Dry Weather Sewer Line Outfall	\$ 3,292,219	I/I Reduction NorthernBasins2	\$ 51,822
I/I Reduc BlueRiverS Proj 4&5	\$ 2,803,803	Relief Sewer - Vineyard&LawnSt	\$ 46,853
Round Grove WWPS Upgrade	\$ 1,608,433	KennethRd/Holmes-SanSewerExt	\$ 45,571
Sanitary Sewer Southern Ave	\$ 1,137,405	I/I Reduct Birmingham Shoal 1	\$ 35,587
Relief Sewer Divers Struc 068	\$ 985,895	Relief Sewer - Hardesty & 31st	\$ 21,125
Small Sewer Rehab Lower Blue	\$ 973,052	BurlingtonCreek & Riverside PS	\$ 20,452
Buckeye PS Rehab-ForceMain	\$ 851,834	DryWeatherSewerLine Outfall055	\$ 17,328
I/I Reduct Birmingham Shoal 2	\$ 815,110	SCADA SystemSeparation&Expansn	\$ 17,116
I/I Reduction-LineCreek/RockCr	\$ 741,679	Total for Projects	\$ 163,215,787

Projects for Sewer Issue 2019A

- 2019A was financed with a Sewer Revenue Bond
- 25 years, 2.89% Total Interest Cost

<u>Project</u>	<u>Amount</u>
Round Grove WWPS Upgrade	\$ 14,392,223
Small Sewer Rehab Lower Blue	\$ 9,894,241
ASR-City Wide Sewer Main Rehab	\$ 7,500,000
Relief Sewer Divers Struc 068	\$ 7,344,948
I/I Reduc Little Blue Proj 1	\$ 6,147,469
GI -Linwood Green/Ave of Life	\$ 1,971,529
Gooseneck Arch Sewer Gate &PS	\$ 174,212
Total for Projects	\$ 47,424,621

Projects for Sewer Issue 2021A

- 2021A was financed with an SRF Loan from MDNR.
- 20 years, 1.29% Total Interest Cost

<u>Project</u>	<u>Amount</u>
Blue River WWTP Biosolids Facility	\$ 10,622,391
Remaining Expenditures	\$ 89,377,609
Total SRF	\$ 100,000,000

Future WW Revenue Bond Authorization Project Descriptions

Project	Year	Amount	Description
Birmingham Pump Station	FY2027	~\$76M	Increased wet weather pumping capacity and high rate treatment, recommended in modified consent decree instead of much more expensive tunnel north of the river
Blue River WWTP Wet Weather Treatment Facility	FY2028	~\$74M	Required by modified consent decree to treat flows that get to WWTP, but less expensive smaller capacity with improved modeling and rainfall analysis
Todd Creek WWTP	FY2024	~\$50M	Significant expansion needed to meet industrial and residential growth. Will be bringing recommendations to council in next 2-3 months
Westside WWTP Aeration Improvements and Upgrades	FY2030	~\$47M	Needed plant upgrades on portion of WWTP over 40 years old, will increase operations resiliency and reduce power costs
Westside WWTP Headworks Installation	FY2028	~\$44M	Needed plant upgrades on portion of WWTP over 40 years old
Little Shoal Creek Interceptor	FY2023	~\$34M	Needed due to failing sewer in Liberty that conveys KCMO flows
Sewer Rehabilitation	FY2022-FY2035	~\$309M	Proactive asset management driven sewer rehabilitation.
Green Infrastructure	FY2022-FY2035	~\$304M	Commitment in modified consent decree is to install 480 acres of impervious area retained/treated by green infrastructure

Summary

- Revenue Bond financing is essential to our ability to maintain stable 6% annual rate increases
- Revenue bond financing is the lowest cost method of financing for BOTH current and future ratepayers
- Revenue bond financing requires voter approval.
- Our Sewer Capital Plan calls for \$1 Billion in bond issuances over the next 9 years.
- For the November 2nd election, **Council must take action by August 19th and must notify the KCEB by August 24th**

Proposed Ballot Language

Shall the City of Kansas City, Missouri issue sanitary sewer revenue bonds in the principal amount of \$1,000,000,000.00 for the purpose of rehabilitating, expanding and improving the City's sanitary sewer system, including acquiring necessary land and rights of way, in order to provide for its continuing operation and to maintain compliance with federal, state and judicial requirements, with the principal of and interest on said revenue bonds to be payable solely from the revenues derived by the City from the operation of its sanitary sewer system, including all future rehabilitations, improvements and expansions thereto?

_____ Yes

_____ No

- Propose November 2, 2021 Ballot



**Appendix:
Wastewater Bond Eligible
Projects FY2022-2030**



FY2022: Bond Eligible Wastewater Projects

Project Name/Description	OCP/NON-OCP	Contract Type	FY 2022 Current
10th and Harrison/ADA Improvements	NON-OCP	Const	\$ 350,000
15th St Pump Station Upgrade (Wet Weather Capacity and Rehabilitation)	OCP	Const	\$ 5,500,000
15th St Pump Station Upgrade (Wet Weather Capacity and Rehabilitation)	OCP	CPS	\$ 550,000
4800 E. 63rd St. Wastewater ADA Compliance and Renovations	NON-OCP	Const	\$ 1,500,000
Baseline Improvements: Town Fork Creek	OCP	Const	\$ 2,850,000
Baseline Improvements: Town Fork Creek	OCP	CPS	\$ 285,000
Birmingham Headworks and Electrical Improvements	NON-OCP	Const	\$ 15,450,000
Birmingham Headworks and Electrical Improvements	NON-OCP	CPS	\$ 1,545,000
Blue River Odor Control Phase II and III	NON-OCP	Study	\$ 250,000
Blue River Pump Station Pump Station Screen Replacement	NON-OCP	D/B	\$ 5,000,000
Brookside I/I reduction - Public Side	OCP	DPS	\$ 187,500
Buckeye Pump Station Rehabilitation	NON-OCP	DPS	\$ 200,000
Burlington Creek PS/Riverside Tube Station Abandonment	NON-OCP	DPS	\$ 2,000,000
City Wide Sewer Rehabilitation	NON-OCP	Const	\$ 28,885,000
Dry Weather Sewer Line: Outfall 055	OCP	Const	\$ 2,500,000
Dry Weather Sewer Line: Outfall 055	OCP	CPS	\$ 250,000
Green Infrastructure	OCP	Const	\$ 10,550,000
Green Infrastructure	OCP	DPS	\$ 3,487,500
Green Infrastructure	OCP	CPS	\$ 520,000
HHW Facility Study	NON-OCP	Study	\$ 150,000
I/I Reduction: Blue River South 4 Additional Area	OCP	Const	\$ 855,000
I/I Reduction: Blue River South 4 Additional Area	OCP	CPS	\$ 68,400
I/I Reduction: North of the River (Originally Birm 1) Phase 1 Buckeye Creek	OCP	Const	\$ 8,500,000
I/I Reduction: North of the River (Originally Birm 1) Phase 1 Buckeye Creek	OCP	CPS	\$ 680,000

Project Name/Description	OCP/NON-OCP	Contract Type	FY 2022 Current
I/I Reduction: Northern Basins Project 2 (First Creek/Rocky Branch)	OCP	Const	\$ 4,450,000
I/I Reduction: Northern Basins Project 2 (First Creek/Rocky Branch)	OCP	CPS	\$ 356,000
Kenneth Road/Holmes Sanitary Sewer Interceptor Extension	NON-OCP	DPS	\$ 100,000
OK Creek Gates In-line Storage Upgrade and Phase I RT-DSS Implementation	OCP	DPS	\$ 4,000,000
Pied Creek Pump Station Expansion and Rehabilitation (New FY22)	NON-OCP	Study	\$ 200,000
Rain Gardens and Downspout Disconnect	OCP	Const	\$ 500,000
Relief Sewer: 45th St	OCP	Const	\$ 1,000,000
Relief Sewer: 45th St	OCP	CPS	\$ 100,000
Relief Sewer: Hardesty Ave and 31st St	OCP	Const	\$ 6,000,000
Relief Sewer: Hardesty Ave and 31st St	OCP	CPS	\$ 600,000
Relief Sewer: Vineyard and Lawn St	OCP	Const	\$ 4,500,000
Relief Sewer: Vineyard and Lawn St	OCP	CPS	\$ 450,000
Relocate Operational Controls to Outside PS	NON-OCP	Const	\$ 530,450
Relocate Operational Controls to Outside PS	NON-OCP	CPS	\$ 51,050
Sewer Separation: 40th and Monroe	OCP	Const	\$ 14,000,000
Sewer Separation: 40th and Monroe	OCP	CPS	\$ 1,400,000
Sewer Separation: Outfall 054	OCP	Const	\$ 3,900,000
Sewer Separation: Outfall 054	OCP	CPS	\$ 312,000
Supplemental I/I Reduction Project: Round Grove (NP) (combined w/ MBR 13 I/I)	OCP	Const	\$ 4,250,000
Supplemental I/I Reduction Project: Round Grove (NP) (combined w/ MBR 13 I/I)	OCP	CPS	\$ 340,000
Todd Creek Facility Land Purchase	NON-OCP	Land	\$ 500,000
Todd Creek WWTP Expansion and Major Upgrade	NON-OCP	DPS	\$ 5,000,000
Wastewater SCADA Improvements	NON-OCP	DPS	\$ 1,400,000
			\$ 146,052,900

FY2023: Bond Eligible Wastewater Projects

Project Name/Description	OCP/NON-OCP	Contract Type	FY 2023 Current
Birmingham Plant Land Acquisition	NON-OCP	Land	\$ 5,000,000
Birmingham PS Screen Replacements	NON-OCP	Const	\$ 5,000,000
Birmingham Solids Force Main Rehabilitation & Solids Process	NON-OCP	DPS	\$ 1,000,000
Blue River Odor Control Phase II and III	NON-OCP	DPS	\$ 1,100,000
Blue River Primary and Secondary Facility Plan	NON-OCP	DPS	\$ 1,125,000
Brookside I/I reduction - Public Side	OCP	Const	\$ 4,000,000
Brookside I/I reduction - Public Side	OCP	CPS	\$ 315,000
Buckeye Pump Station Rehabilitation	NON-OCP	Const	\$ 2,000,000
Buckeye Pump Station Rehabilitation	NON-OCP	CPS	\$ 200,000
City Wide Sewer Rehabilitation (Through 2035)	NON-OCP	Const	\$ 27,885,000
Dykes Branch Relief Sewers	OCP	DPS	\$ 672,000
Green Infrastructure	OCP	DPS	\$ 7,950,000
Green Infrastructure	OCP	Const	\$ 1,250,000
I/I Reduction: Birmingham/Shoal Creek Projects 2	OCP	Const	\$ 8,350,000
I/I Reduction: Birmingham/Shoal Creek Projects 2	OCP	CPS	\$ 675,000
I/I Reduction: Birmingham/Shoal Creek Projects 3	OCP	Const	\$ 6,200,000
I/I Reduction: Birmingham/Shoal Creek Projects 3	OCP	CPS	\$ 500,000
I/I Reduction: Line Creek/Rock Creek Basin Project 3 and 4	OCP	Const	\$ 4,650,000
I/I Reduction: Line Creek/Rock Creek Basin Project 4	OCP	CPS	\$ 465,000

Project Name/Description	OCP/NON-OCP	Contract Type	FY 2023 Current
I/I Reduction: Middle Blue River Area 13	OCP	Const	\$ 3,500,000
I/I Reduction: Middle Blue River Area 13	OCP	CPS	\$ 280,000
I/I Reduction: Northern Basins Project 1 (Pied Creek)	OCP	Const	\$ 4,115,000
I/I Reduction: Northern Basins Project 1 (Pied Creek)	OCP	CPS	\$ 330,000
Inflow and Infiltration Reduction: Brush Creek Additional Area	OCP	DPS	\$ 800,000
Kenneth Road/Holmes Sanitary Sewer Interceptor Extension	NON-OCP	Const	\$ 1,000,000
Line Creek Screening	NON-OCP	D/B	\$ 6,000,000
Little Shoal Cr. Interceptor	NON-OCP	Const	\$ 30,900,000
Little Shoal Cr. Interceptor	NON-OCP	CPS	\$ 3,090,000
SLBE-Birmingham PS Screen Replacements	NON-OCP	CPS	\$ 250,000
Turkey Cr. PS Rock Box Upgrade	NON-OCP	D/B	\$ 100,000
Wastewater SCADA Improvements (multiple phases)	NON-OCP	Const	\$ 9,000,000
Wastewater SCADA Improvements (multiple phases)	NON-OCP	CPS	\$ 515,000
Weatherby Lake/Upper Rush PS Upgrade	NON-OCP	Const	\$ 7,000,000
Weatherby Lake/Upper Rush PS Upgrade	NON-OCP	CPS	\$ 750,000
Westside Sludge Force Main Rehab	NON-OCP	D/B	\$ 23,000,000
Westside WWTP Sludge Screening	NON-OCP	D/B	\$ 7,500,000
			\$ 176,467,000

FY2024: Bond Eligible Wastewater Projects

Project Name/Description	OCP/NON-OCP	Contract Type	FY 2024 Current
87th Street Pump Station Screen Evaluation	NON-OCP	Study	\$ 257,500
Birchwood and 83rd St Tube Station Replacement	NON-OCP	DPS	\$ 170,000
Birmingham Solids Force Main Rehabilitation & Solids Processing Improvements	NON-OCP	Const	\$ 9,000,000
Birmingham Solids Force Main Rehabilitation & Solids Processing Improvements	NON-OCP	CPS	\$ 567,000
Blue River Biotower and Secondar Pump Station Rehab	NON-OCP	DPS	\$ 1,500,000
Blue River Odor Control Phase II and III	NON-OCP	Const	\$ 10,400,000
Blue River Odor Control Phase II and III	NON-OCP	CPS	\$ 930,000
Blue River Primary and Secondary Facility Plan (New Project)	NON-OCP	DPS	\$ 3,000,000
Brookside Sewer Separation Sanitary Improvements	OCP	DPS	\$ 508,500
Brush Creek I/I (KCMO/Mission Hills-Public Side)	OCP	Const	\$ 8,000,000
Brush Creek I/I (KCMO/Mission Hills-Public Side)	OCP	CPS	\$ 640,000
Burlington Creek PS/Riverside Tube Station Abandonment	NON-OCP	Const	\$ 11,700,000
Burlington Creek PS/Riverside Tube Station Abandonment	NON-OCP	CPS	\$ 700,000
City Wide Sewer Rehabilitation (Through 2035) (SEE "Sewer Rehab Tab for Projects)	NON-OCP	Const	\$ 21,000,000

Project Name/Description	OCP/NON-OCP	Contract Type	FY 2024 Current
Dykes Branch Relief Sewers	OCP	Const	\$ 5,600,000
Dykes Branch Relief Sewers	OCP	CPS	\$ 450,000
Emnet Sensor network	OCP	DPS	\$ 1,700,000
Green Infrastructure	OCP	Const	\$ 21,000,000
Green Infrastructure	OCP	CPS	\$ 1,680,000
I/I Reduction: North of the River (Originally Birm 1) Phase 2 Buckeye Creek	OCP	Const	\$ 7,460,000
I/I Reduction: North of the River (Originally Birm 1) Phase 2 Buckeye Creek	OCP	CPS	\$ 600,000
OK Creek Gates In-line Storage Upgrade and Phase I RT-DSS Implementation	OCP	Const	\$ 23,500,000
OK Creek Gates In-line Storage Upgrade and Phase I RT-DSS Implementation	OCP	CPS	\$ 1,880,000
Pied Creek Pump Station Expansion and Rehabilitation	NON-OCP	DPS	\$ 1,150,000
Resotration and Water Quality Improvements in Brush Creek	OCP	DPS	\$ 6,000,000
RT-DSS Implementation - Phase 2	OCP	DPS	\$ 2,000,000
Todd Creek WWTP Expansion and Major Upgrade	NON-OCP	Const	\$ 50,000,000
Turkey Cr. PS Rock Box Upgrade	NON-OCP	D/B	\$ 2,000,000
			\$ 193,393,000

FY2025: Bond Eligible Wastewater Projects

Project Name/Description	OCP/NON-OCP	Contract Type	FY 2025 Current
87th Street Pump Station Screen Replacement	NON-OCP	Const	\$ 2,000,000
87th Street Pump Station Screen Replacement	NON-OCP	CPS	\$ 175,000
Birchwood and 83rd St Tube Station Replacement	NON-OCP	Const	\$ 1,473,000
Birchwood and 83rd St Tube Station Replacement	NON-OCP	CPS	\$ 86,000
Birmingham Pump Station HRT	OCP	DPS	\$ 11,250,000
Blue River Biotower and Secondary Pump Station Rehab	NON-OCP	Const	\$ 10,000,000
Blue River Biotower and Secondary Pump Station Rehab	NON-OCP	CPS	\$ 800,000
Blue River Primary and Secondary Facility Plan (New Project)	NON-OCP	DPS	\$ 3,000,000
Blue River WWTP Primary and Secondary Emergency Power	NON-OCP	D/B	\$ 3,000,000
Blue River WWTP Wet-Weather Treatment Facility	OCP	DPS	\$ 2,000,000
Brookside Sewer Separation Sanitary Improvements	OCP	Const	\$ 5,650,000
Brookside Sewer Separation Sanitary Improvements	OCP	CPS	\$ 452,000
Buckeye PS Improvement	OCP	DPS	\$ 3,100,000

Project Name/Description	OCP/NON-OCP	Contract Type	FY 2025 Current
City Wide Sewer Rehabilitation (Through 2035) (SEE "Sewer Rehab Tab for Projects)	NON-OCP	Const	\$ 21,000,000
Emnet Sensor network	OCP	DPS	\$ 1,750,000
Green Infrastructure	OCP	Const	\$ 53,000,000
Green Infrastructure	OCP	CPS	\$ 4,240,000
Pied Creek Pump Station Expansion and Rehabilitation	NON-OCP	Const	\$ 10,000,000
Pied Creek Pump Station Expansion and Rehabilitation	NON-OCP	CPS	\$ 750,000
Relief sewers (Northland) and in-line storage Phase 1	OCP	DPS	\$ 2,750,000
Rocky Branch Electrical and Mechanical Improvements	NON-OCP	D/B	\$ 650,000
Round Grove Relief Sewers	OCP	DPS	\$ 520,000
RT-DSS Implementation - Phase 2	OCP	Const	\$ 13,800,000
RT-DSS Implementation - Phase 2	OCP	CPS	\$ 1,200,000
Weatherby Lake Southern Interceptor Rehabilitation (NEW PROJECT FY22)	NON-OCP	DPS	\$ 150,000
Westside Primary & Final Clarifier Mechanisms Rehabilitation	NON-OCP	D/B	\$ 2,500,000
			\$ 155,296,000

FY2026: Bond Eligible Wastewater Projects

Project Name/Description	OCP/NON-OCP	Contract Type	FY 2026 Current
Birmingham WWTP Facility Plan	NON-OCP	Study	\$ 750,000
Blue River Primary and Secondary Facility Plan (New Project)	NON-OCP	DPS	\$ 3,000,000
Blue River WWTP Wet-Weather Treatment Facility	OCP	DPS	\$ 7,000,000
City Wide Sewer Rehabilitation (Through 2035) (SEE "Sewer Rehab Tab for Projects)	NON-OCP	Const	\$ 21,000,000
Eliminate Brush Creek and 85th St Pump Station	NON-OCP	Const	\$ 5,000,000
Green Infrastructure	OCP	Const	\$ 20,000,000
Resotration and Water Quality Improvements in Brush Creek	OCP	Const	\$ 44,000,000
Weatherby Lake Southern Interceptor Rehabilitation (NEW PROJECT FY22)	NON-OCP	Const	\$ 3,000,000
Weatherby Lake Southern Interceptor Rehabilitation (NEW PROJECT FY22)	NON-OCP	CPS	\$ 200,000
			\$ 103,950,000

FY2027: Bond Eligible Wastewater Projects

Project Name/Description	OCP/NON-OCP	Contract Type	FY 2027 Current
Birmingham Pump Station HRT	OCP	Const	\$ 68,000,000
Birmingham Pump Station HRT	OCP	CPS	\$ 8,000,000
Buckeye PS Improvement	OCP	Const	\$ 19,000,000
Buckeye PS Improvement	OCP	CPS	\$ 2,200,000
City Wide Sewer Rehabilitation (Through 2035) (SEE "Sewer Rehab Tab for Projects)	NON-OCP	Const	\$ 21,000,000
Fishing River and Rocky Branch WWTP Facility Plan	NON-OCP	D/B	\$ 1,000,000
Green Infrastructure	OCP	Const	\$ 20,000,000
Mace Road Tube Station Replacement	NON-OCP	DPS	\$ 142,600
Relief sewers (Northland) and in-line storage Phase 1	OCP	Const	\$ 16,000,000
Relief sewers (Northland) and in-line storage Phase 1	OCP	CPS	\$ 2,900,000
Round Grove Relief Sewers	OCP	Const	\$ 3,800,000
Round Grove Relief Sewers	OCP	CPS	\$ 304,000
Sanitary Sewer Assessment Program	NON-OCP	Const	\$ 1,000,000
Wastewater Master Plan	NON-OCP	DPS	\$ 2,000,000
WWTP Upgrade: Blue River WWTP Flow Diversion	OCP	DPS	\$ 762,411
			\$ 166,109,011

FY2028: Bond Eligible Wastewater Projects

Project Name/Description	OCP/NON-OCP	Contract Type	FY 2028 Current
Blue River WWTP Wet-Weather Treatment Facility	OCP	Const	\$ 70,000,000
Blue River WWTP Wet-Weather Treatment Facility	OCP	CPS	\$ 3,500,000
City Wide Sewer Rehabilitation (Through 2035) (SEE "Sewer Rehab Tab for Projects)	NON-OCP	Const	\$ 21,000,000
Green Infrastructure	OCP	Const	\$ 20,000,000
Mace Road Tube Station Replacement	NON-OCP	Const	\$ 1,128,400
Mace Road Tube Station Replacement	NON-OCP	CPS	\$ 70,680
Relief Sewers (Northland) and In-line storage Phase 2	OCP	DPS	\$ 3,000,000
Westside WWTP Headworks Installation	NON-OCP	D/B	\$ 44,000,000
			\$ 162,699,080

FY2029: Bond Eligible Wastewater Projects

Project Name/Description	OCP/NON-OCP	Contract Type	FY 2029 Current
City Wide Sewer Rehabilitation (Through 2035) (SEE "Sewer Rehab Tab for Projects)	NON-OCP	Const	\$ 21,000,000
Green Infrastructure	OCP	Const	\$ 20,000,000
North Church Estates and Wildwood West Pump Station Rehabilitation	NON-OCP	DPS	\$ 57,000
Rocky Branch Solids Processing Improvements and Sludge Pump Replacement	NON-OCP	DPS	\$ 180,000
South Airport Pump Station Process Pump Station Electrical Rehabilitation	NON-OCP	DPS	\$ 175,000
WWTP Upgrade: Blue River WWTP Flow Diversion	OCP	Const	\$ 5,400,000
WWTP Upgrade: Blue River WWTP Flow Diversion	OCP	CPS	\$ 270,000
			\$ 47,082,000

FY2030: Bond Eligible Wastewater Projects

Project Name/Description	OCP/NON-OCP	Contract Type	FY 2030 Current
City Wide Sewer Rehabilitation (Through 2035) (SEE "Sewer Rehab Tab for Projects)	NON-OCP	Const	\$ 21,000,000
Green Infrastructure	OCP	Const	\$ 20,000,000
North Church Estates and Wildwood West Pump Station Rehabilitation	NON-OCP	Const	\$ 497,000
North Church Estates and Wildwood West Pump Station Rehabilitation	NON-OCP	CPS	\$ 30,000
Relief Sewers (Northland) and In-line storage Phase 2	OCP	Const	\$ 17,500,000
Relief Sewers (Northland) and In-line storage Phase 2	OCP	CPS	\$ 3,100,000
Rocky Branch Solids Processing Improvements and Sludge Pump Replacement	NON-OCP	Const	\$ 1,545,000
Rocky Branch Solids Processing Improvements and Sludge Pump Replacement	NON-OCP	CPS	\$ 90,000
South Airport Pump Station Process Pump Station Electrical Rehabilitation	NON-OCP	Const	\$ 1,479,000
South Airport Pump Station Process Pump Station Electrical Rehabilitation	NON-OCP	CPS	\$ 74,000
Westside Aeration Improvements and Upgrades	NON-OCP	D/B	\$ 47,000,000
			\$ 112,315,000