

Louisville and Jefferson County Metropolitan Sewer District, KY

- 1 Louisville and Jefferson County Metropolitan Sewer District, Sewer and Drainage System Revenue Bonds, Series 2023C, \$351,975,000, Dated: October 26, 2023 [SUMMARY LANGUAGE USED](#)
- 2 Louisville and Jefferson County Metropolitan Sewer District, Sewer and Drainage System Revenue Refunding Bonds, Series 2023A, \$49,745,000, Dated: May 16, 2023 [SUMMARY LANGUAGE USED](#)
- 3 Louisville and Jefferson County Metropolitan Sewer District, Sewer and Drainage System Revenue Refunding Bonds, Series 2023B, \$41,950,000, Dated: May 16, 2023 [SUMMARY LANGUAGE USED](#)
- 4 Louisville and Jefferson County Metropolitan Sewer District, Sewer and Drainage System Revenue Bonds, Series 2022A (Green Bonds - Climate Bond Certified), \$225,000,000, Dated: February 1, 2022 [SUMMARY LANGUAGE USED](#)
- 5 Louisville and Jefferson County Metropolitan Sewer District, Sewer and Drainage System Revenue Refunding Taxable Bonds, Series 2020C, \$112,065,000, Dated: October 15, 2020 [SUMMARY LANGUAGE USED](#)
- 6 Louisville and Jefferson County Metropolitan Sewer District, Sewer and Drainage System Revenue Refunding Bonds, Series 2020A, \$225,000,000, Dated: July 30, 2020 [SUMMARY LANGUAGE USED](#)
- 7 Louisville and Jefferson County Metropolitan Sewer District, Sewer and Drainage System Revenue Refunding Bonds, Series 2018A, \$60,380,000, Dated: May 31, 2018 [SUMMARY LANGUAGE USED](#)
- 8 Louisville and Jefferson County Metropolitan Sewer District, Sewer and Drainage System Revenue Bonds, Series 2017A, \$175,000,000, Dated: August 29, 2017
- 9 Louisville and Jefferson County Metropolitan Sewer District, Sewer and Drainage System Revenue Refunding Bonds, Series 2017B, \$35,725,000, Dated: August 29, 2017
- 10 Louisville and Jefferson County Metropolitan Sewer District, Sewer and Drainage System Revenue Bonds, Series 2016A, \$150,000,000, Dated: August 30, 2016
- 11 Louisville and Jefferson County Metropolitan Sewer District, Sewer and Drainage System Revenue Refunding Bonds, Series 2016B, \$28,315,000, Dated: August 30, 2016
- 12 Louisville and Jefferson County Metropolitan Sewer District, Sewer and Drainage System Revenue Bonds, Series 2015A, \$175,000,000, AND Sewer and Drainage System Revenue Refunding Bonds, \$81,750,000, Series 2015B, Dated: October 21, 2015
- 13 Louisville and Jefferson County Metropolitan Sewer District, Sewer and Drainage System Revenue Bonds, Series 2014A, \$80,000,000, Dated: November 25, 2014
- 14 Louisville and Jefferson County Metropolitan Sewer District Sewer and Drainage System Revenue Bonds, Series 2013A, \$115,790,000 and Sewer and Drainage System Revenue Bonds, Series 2013B, \$119,515,000 Dated: May 23, 2013
- 15
Louisville and Jefferson County Metropolitan Sewer District (Commonwealth of Kentucky) Sewer and Drainage System Revenue Bonds, Series 2010A (Federally Taxable - Build America Bonds - Direct Payment), \$330,000,000 Dated: November 30, 2010
- 16
Louisville and Jefferson County Metropolitan Sewer District (Commonwealth of Kentucky) Sewer and Drainage System Revenue Bonds, Series 2009C (Federally Taxable - Build America Bonds - Direct Payment), \$180,000,000 Dated: November 24, 2009

THE DISTRICT

Series 2023C

Employees and Labor Relations

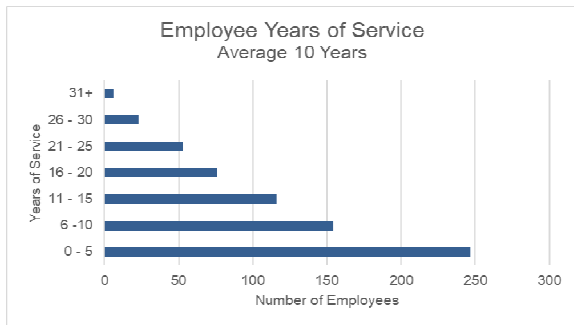
Fiscal Year 2023

The total number of authorized employees of the District for Fiscal Year 2024 is 831. As of July 1, 2023, the district had 696 full-time employees. Of the District's employees, 343 are represented by two labor unions. The Laborers International Union of North America Local 576 operates under a collective bargaining agreement which became effective March 1, 2023 and expires February 28, 2028. The National Association of Government Employees Local 189 operates under a collective bargaining agreement which became effective February 19, 2022 and expires February 28, 2027.

Series 2023C

Employee Years of Service - Average 10 Years

Fiscal Year 2023



Series 2023C, 2023A,B

Administration and Management of the District

Fiscal Year 2023

James A. Parrott	Executive Director & Secretary/Treasurer
Brad Good	Chief Financial Officer
Brian Bingham	Chief of Operations
David Johnson	Chief Engineer
Kellie Watson	General Counsel & Legal Director
Angela Akridge	Chief Strategy Officer
Paul Bagley	Chief Information Officer
Lynne Fleming	Chief Human Relations Officer
Sharise Horne	Chief of Equity & Community Partnerships
Rene Patterson-Lindsay	Chief Procurement Officer
Kimberly Reed	Chief Innovation Officer
Wesley Sydnor	Chief of Government & Public Affairs

Series 2023C, 2023A,B, 2013A,B, 2011A, 2010A, 2009C

Members of the Board

Fiscal Year Ended June 30, 2023

Board Members	Term Expires
Marita Willis, Chair	6/30/2025
Keith Jackson, Vice-Chair	8/31/2023
Rebecca Cox	8/31/2023
Gerald Joiner	2/28/2024
Ricky Mason	7/31/2024
Carmen Moreno-Rivera	6/30/2024
John Selent	7/31/2024
Jeff Mosley	7/31/2026

Customer History

Wastewater Customer	Number of Customers	Volume (million gallons)	Revenue (in thousands)
Residential			
FY 2019	220,412	10,823	122,830
FY 2020	221,796	11,087	140,125
FY 2021	230,157	11,490	148,091
FY 2022	234,362	11,914	156,764
FY 2023	236,020	10,984	167,136
Commercial			
FY 2019	19,373	9,294	71,054
FY 2020	21,331	9,018	74,134
FY 2021	21,537	8,630	74,660
FY 2022	21,851	9,461	86,010
FY 2023	21,919	9,607	89,467
Industrial			
FY 2019	360	3,716	23,171
FY 2020	385	3,959	21,759
FY 2021	390	2,674	23,080
FY 2022	394	3,550	23,558
FY 2023	394	3,845	24,936

Customer History

Historical Active Wastewater Customer Totals	FY 19	FY 20	FY 21	FY 22	FY 23
Residential	220,412	221,796	230,157	234,362	236,020
Commercial	19,373	21,331	21,537	21,851	21,919
Industrial	360	385	390	394	394
Total	240,145	243,512	252,084	256,607	258,333
% Growth	0.53%	1.40%	3.52%	1.79%	0.67%
Historical Active Drainage Customer Totals					
	FY 19	FY 20	FY 21	FY 22	FY 23
Residential	206,499	207,317	208,060	209,335	210,242
Commercial	14,024	14,087	14,062	14,040	13,950
Industrial	257	271	269	274	279
Total	220,780	221,675	222,391	223,649	224,471
% Growth		0.41%	-0.74%	0.57%	0.37%

Retirement/Pension Plan

For the fiscal year ended June 30, 2023

Participating CERS employers contributed 26.79% (23.4 % allocated to pension and 3.39% allocated to other post-employment benefits) of each nonhazardous employee's creditable compensation. The District has met 100% of the contribution funding. The District has an unfunded pension liability of \$132,407,406 and an unfunded other postemployment benefits liability of \$36,145,040.

THE SEWER SYSTEM

Wastewater Treatment Capacity

as of June 30, 2023

Plant	Current Capacity	Average Daily Flow	Eventual Capacity	Residential	Commercial
	MGD	MGD	MGD		
Morris Forman	120.0	100.3	120.0	119,567	13,552
Derek R. Guthrie	60.0	37.6	60.0	64,416	3,818
Hite Creek	7.5	6.9	11.3	19,331	1,101
Cedar Creek	6.5	3.8	9.8	10,818	588
Floyd's Fork	9.0	4.3	9.0	10,959	683
Oldham County Plants	4.3	2.7	4.3	5,238	39
Bullitt County Plants	1.7	1.5	1.7	4,003	116
Total Treatment System	209.0	157.1	216.0	234,332	19,897
Plant	Industrial	Year Total	Built	Treatment Process	
Morris Forman	301	133,420	1958	Secondary added in 1976.	
Derek R. Guthrie	44	68,278	1986	Secondary	
Hite Creek	14	20,446	1995	Tertiary: sand filter	
Cedar Creek	5	11,411	2001	Tertiary: sand filter	
Floyd's Fork	9	11,651	1970	Tertiary: sand filter	
Oldham County Plants	1	5,278	Varies		
Bullitt County Plants	1	4,120	Varies		
Total Treatment System	375	254,604			

The Drainage System

Fiscal Year 2023

Under interlocal government agreement effective January 1, 1987, the District became the sole local authority for providing flood control and storm water drainage services in the Drainage Service Area. The District is responsible for the operation, maintenance, replacement, improvements and additions to existing flood control facilities and public stormwater drainage facilities within the Drainage Service Area. The stormwater drainage system is comprised of various types of facilities to collect, convey, retain, and discharge stormwater runoff into sewers, rivers, streams, and creeks, which eventually drain into the Ohio River. These facilities include open channels, ditches, streams, ponds, pipes, culverts, conduits, bridge structures, detention basins, retention basins, pump stations, and other facilities. In fiscal year 2023, the District had approximately 224,471 active drainage service accounts which provided total annual drainage service charge revenues of \$94.4 million.

RATES AND CHARGES

Wastewater Service and Drainage Service Charges

Fiscal Year 2023

The District derives its revenue for wastewater service and drainage service from the collection of rates, rentals and charges established in accordance with the provisions of KRS 76 and local ordinances for services rendered within the Service Area to customers served by the District's facilities. The District has no power to levy ad valorem taxes upon any property for any purpose whatsoever. Wastewater service rates, based on water consumed, are billed and collected by Louisville Water Company, (a Kentucky corporation wholly owned as a public enterprise by the Louisville/Jefferson County Metro Government) for the District under terms of an agreement executed in December 2021. These rates are billed simultaneously with the water bill on a single statement payable in total for both wastewater and water service rendered, and are subject to a late penalty of 5%. Louisville Water Company also bills and collects all of the District's drainage service charges. In the event of nonpayment of any such wastewater or drainage rates, rentals, or charges for a period of more than 30 days after they become due and payable, Louisville Water Company is required by law to discontinue water service. The District has a subset of wastewater customers in Oldham County who receive water service from Oldham County Water. These wastewater rates are billed simultaneously with the water bill on a single monthly statement under the terms of an agreement with Oldham County Water executed in June 2020. The District's wastewater service rates include a fixed service charge based on the size of the public water meter serving the property plus a charge for each 1,000 gallons of water consumed on the premises. Each customer has the option of installing private meters to record water usage which does not enter the sewers. Industrial and commercial customers may use this option to obtain credit for water which does not enter the sewers. Drainage service rates are charged based on measured impervious areas with one equivalent service unit (ESU) assigned for each 2,500 square feet of impervious area. All residential customers are billed for one ESU. Louisville Water Company began converting customers to monthly billing in 2020. This project will continue through 2024 before all MSD customers are converted to a monthly bill cycle.

District's rate adjustment history

	Historical Rate Increases				
	FY 20	FY 21	FY 22	FY 23	FY 24
Jefferson County Service Area	6.90%	5.00%	6.90%	5.00%	6.90%
Bullitt County Service Area	NA	NA	12.00%	12.00%	12.00%
Oldham County Service Area	NA	0.00%	0.00%	-10.00%	5.00%

Rate History - Service Charge Revenue (Jefferson County)

Date	Rate Increase
8/1/2019	6.90%
8/1/2020	5.00%
8/1/2021	6.90%
8/1/2022	5.00%
8/1/2023	6.90%

Rate History (Jefferson County)

Fiscal Year 2023

Date of Rate Increase	Wastewater % Rate Increase	Stormwater % Rate Increase	Estimated Revenue Consent Decree Surcharge
8/1/2022	5.0%	5.0%	69,087
8/1/2021	6.9%	6.9%	64,396
8/1/2020	5.0%	6.9%	59,148
8/1/2019	6.9%	6.9%	56,755
8/1/2018	6.9%	6.9%	53,594
8/1/2017	6.9%	6.9%	50,429
8/1/2016	6.9%	6.9%	46,821
8/1/2015	5.5%	5.5%	43,615
8/1/2014	5.5%	5.5%	42,538
8/1/2013	5.8%	5.8%	39,786
8/1/2012	6.5%	6.5%	37,444
8/1/2011	6.5%	6.5%	35,131
8/1/2010	6.5%	6.5%	32,467
8/1/2009	6.5%	6.5%	30,118
8/1/2008	6.5%	6.5%	28,938
8/15/2007	0.0%	0.0%	22,775

Series 2013A,B, 2010A, 2009C

Security and Source of Payment For The Current Bonds

Fiscal Year Ended June 30, 2023

Series	Dated Date	Original Principal Amount	Amount Outstanding
2009C series revenue bonds	11/18/2009	180,000	180,000
2010A series revenue bonds	4/17/2010	330,000	330,000
2013B series revenue bonds	4/23/2013	119,515	107,515
2014A series revenue bonds	11/4/2014	80,000	79,600
2015A series revenue bonds	10/21/2015	175,000	170,845
2015B series revenue bonds	10/21/2015	81,750	62,995
2016A series revenue bonds	8/11/2016	150,000	146,540
2016B series revenue bonds	8/11/2016	28,315	17,830
2017A series revenue bonds	8/22/2017	175,000	143,280
2017B series revenue bonds	8/22/2017	35,725	30,245
2018A series revenue bonds	5/31/2018	60,380	60,380
2020A series revenue bonds	7/30/2020	225,000	223,000
2020C series revenue bonds	10/15/2020	112,065	108,415
2021A series revenue bonds	8/17/2021	246,555	227,720
2022A series revenue bonds	2/1/2022	225,000	224,250
2023A series revenue bonds	5/16/2023	49,745	49,745
2023B series revenue bonds	5/16/2023	41,950	41,950
Total		2,316,000	2,204,310

Series 2013AB, 2010A, 2009C

Historic Revenues and Expenses and Capital Improvement Program (Excluding Projections)

Louisville/Jefferson County, Kentucky, Metropolitan Sewer District Sewer and Drainage System Revenues and Expenses

	Fiscal Year 2023
AVAILABLE REVENUES:	
Rates, Fees, Rentals and Charges:	
Wastewater service charges	290,696
Stormwater service charges	94,466
Revenue enhancement program	-
Total Rates, Fees, Rentals and Charges	385,162
Other Available Revenues:	
Other operating income	6,863
Current assessment payments	429
BAB interest reimbursement	11,350
Investment income	7,254
Less: capitalized investment income	-
Total Other Available Revenues	25,896
TOTAL AVAILABLE REVENUES	411,058
SENIOR BOND DEBT SERVICE	
Current maturities of long-term debt	52,838
Interest expense (senior lien)	91,736
Less: Capitalized interest expense	(6,961)
AGGREGATE NET DEBT SERVICE	137,613
110% OF AGGREGATE NET DEBT SERVICE	151,374
OPERATING EXPENSES:	
Labor	86,469
Utilities	18,838
Materials and supplies	6,826
Professional Services	2,947
Maintenance and repairs	5,064
Billing and collections	6,293
Chemicals and fuel	9,293
Biosolids disposal	4,040
All other	28,154
Less: Capitalized Overhead	(41,151)
TOTAL OPERATING EXPENSES	126,773
NET REVENUES	284,285
SENIOR DEBT SERVICE COVERAGE RATIO	208%
SUBORDINATED DEBT SERVICE	22,284
TOTAL DEBT SERVICE COVERAGE RATIO	179%

THE SERVICE AREA:

Series 2013AB, 2010A, 2009C

Annual Population Estimates

Fiscal Year 2023

Year	Louisville Metro	Louisville MSA
2022	773,399	1,284,553
2021	777,874	1,284,566
2020	782,123	1,285,058
2019	766,757	1,265,108
2018	768,101	1,297,301

(1) Source: Population Division, U.S. Census Bureau website: www.census.gov (Jefferson County, KY)

(2) Source: Population Division, U.S. Census Bureau website: www.census.gov (Louisville/Jefferson County, KY-IN)

Series 2013AB, 2010A, 2009C

Louisville Metro, Kentucky - Largest Private Employers

Fiscal year ending June 30, 2023

Employer	Product	Approximate Number of Employees
United Parcel Service, Inc.	Air cargo transport and distribution	26,328
Norton Healthcare, Inc.	Hospital and health care facilities	15,044
Jefferson County Public Schools	Primary and secondary education	14,000
UofL Health Inc.	Hospital and health care facilities	13,136
Ford Motor Co.	Vehicle manufacturing	13,020
Baptist Healthcare System Inc.	Hospital and health care facilities	8,657
Walmart Inc.	Grocery/Retail	8,550
GE Appliances, a Haier company	Appliance manufacturing	8,500
Humana Inc.	Health insurance	7,465
The Kroger Co.	Grocery/Retail	7,000

Series 2013AB, 2010A, 2009C

The Issuer may change the accounting principles used for preparation of such financial information so long as the Issuer includes as information provided to the public, a statement to the effect that different accounting principles are being used, stating the reason for such change and how to compare the financial information provided by the differing financial accounting principles.

Fiscal Year 2023

No changes in accounting principles were implemented in FY23.