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## **SOURCES AND USES OF FUNDS**

DeKalb County Water and Sewer Series 2013 Refunding Preliminary, Subject to Change Market Conditions as of June 23, 2023

Dated Date 08/31/2023 Delivery Date 08/31/2023

0-				
50	и	rc	es	

Bond Proceeds:	
Par Amount	56,155,000.00
Premium	9,312,348.10
	65,467,348.10
Uses:	
Refunding Escrow Deposits:	
SLGS Purchases	64,902,201.00
Delivery Date Expenses:	
Cost of Issuance	280,775.00
Underwriter's Discount	280,775.00
	561,550.00
Other Uses of Funds:	
Additional Proceeds	3,597.10
	65,467,348.10

## **SUMMARY OF REFUNDING RESULTS**

Dated Date Delivery Date Arbitrage yield Escrow yield Value of Negative Arbitrage	08/31/2023 08/31/2023 2.847973% 2.847956% 0.96
Bond Par Amount True Interest Cost Net Interest Cost Average Coupon Average Life	56,155,000.00 2.990864% 3.266927% 5.000000% 9.280
Par amount of refunded bonds	63,475,000.00
Average coupon of refunded bonds	4.993582%
Average life of refunded bonds	9.281
PV of prior debt to 08/31/2023 @ 2.847973%	75,773,476.97
Net PV Savings	9,881,670.85
Percentage savings of refunded bonds	15.567815%
Percentage savings of refunding bonds	17.597134%

## **SAVINGS**

# DeKalb County Water and Sewer Series 2013 Refunding Preliminary, Subject to Change Market Conditions as of June 23, 2023

Date	Prior Debt Service	Refunding Debt Service	Savings	Present Value to 08/31/2023 @ 2.8479734%
06/30/2024	3,170,875.00	1,645,653.47	1,525,221.53	1,522,355.32
06/30/2025	3,170,875.00	2,807,750.00	363,125.00	349,669.50
06/30/2026	3,170,875.00	2,807,750.00	363,125.00	339,919.75
06/30/2027	3,170,875.00	2,807,750.00	363,125.00	330,441.85
06/30/2028	3,170,875.00	2,807,750.00	363,125.00	321,228.21
06/30/2029	3,170,875.00	2,807,750.00	363,125.00	312,271.49
06/30/2030	10,775,875.00	9,540,125.00	1,235,750.00	1,038,481.47
06/30/2031	10,761,250.00	9,521,500.00	1,239,750.00	1,013,070.86
06/30/2032	10,751,750.00	9,515,375.00	1,236,375.00	982,414.97
06/30/2033	10,741,250.00	9,505,625.00	1,235,625.00	954,724.80
06/30/2034	10,730,187.50	9,491,500.00	1,238,687.50	930,680.76
06/30/2035	10,721,000.00	9,482,000.00	1,239,000.00	905,254.23
06/30/2036	10,706,125.00	9,471,000.00	1,235,125.00	877,560.55
	94,212,687.50	82,211,528.47	12,001,159.03	9,878,073.75

## **Savings Summary**

PV of savings from cash flow	9,878,073.75
Plus: Refunding funds on hand	3,597.10
Net PV Savings	9 881 670 85

## **SUMMARY OF BONDS REFUNDED**

Bond	Maturity Date	Interest Rate	Par Amount	Call Date	Call Price
Series 2013 Refundir	ng Bonds, 2013, BO	ND:			
	10/01/2029	5.000%	7,800,000	10/01/2023	100.000
	10/01/2030	5.000%	8,185,000	10/01/2023	100.000
	10/01/2031	5.000%	8,595,000	10/01/2023	100.000
	10/01/2032	5.000%	9,025,000	10/01/2023	100.000
	10/01/2033	4.500%	575,000	10/01/2023	100.000
	10/01/2034	5.000%	9,950,000	10/01/2023	100.000
	10/01/2035	5.000%	10,445,000	10/01/2023	100.000
			54,575,000		
Series 2013 Refundir	ng Bonds, 2013, BO	ND02:			
	10/01/2033	5.000%	8,900,000	10/01/2023	100.000
			63,475,000		

# **BOND PRICING**

## DeKalb County Water and Sewer Series 2013 Refunding Preliminary, Subject to Change Market Conditions as of June 23, 2023

Bond Component	Maturity Date	Amount	Rate	Yield	Price	Yield to Maturity	Call Date	Call Price	Premium (-Discount)
Bond Component:									
•	10/01/2029	6,905,000	5.000%	2.820%	112.105				835,850.25
	10/01/2030	7,240,000	5.000%	2.770%	114.251				1,031,772.40
	10/01/2031	7,605,000	5.000%	2.770%	116.048				1,220,450.40
	10/01/2032	7,985,000	5.000%	2.760%	117.885				1,428,117.25
	10/01/2033	8,380,000	5.000%	2.830%	118.917				1,585,244.60
	10/01/2034	8,800,000	5.000%	2.880%	118.435 C	3.029%	10/01/2033	100.000	1,622,280.00
	10/01/2035	9,240,000	5.000%	3.010%	117.193 C	3.266%	10/01/2033	100.000	1,588,633.20
		56,155,000							9,312,348.10
	Г	Dated Date			08/31/2023				
		Delivery Date			08/31/2023				
		First Coupon			04/01/2024				
	F	Par Amount			56,155,000.00				
	F	Premium			9,312,348.10				
	F	Production			65,467,348.10	116.583	293%		
	l	Jnderwriter's Di	scount		-280,775.00	-0.500	000%		
	· · · · · · · · · · · · · · · · · · ·	Purchase Price Accrued Interest	:		65,186,573.10	116.083	293%		

65,186,573.10

**Net Proceeds** 

## **BOND DEBT SERVICE**

Period Ending	Principal	Coupon	Interest	Debt Service
06/30/2024			1,645,653.47	1,645,653.47
06/30/2025			2,807,750.00	2,807,750.00
06/30/2026			2,807,750.00	2,807,750.00
06/30/2027			2,807,750.00	2,807,750.00
06/30/2028			2,807,750.00	2,807,750.00
06/30/2029			2,807,750.00	2,807,750.00
06/30/2030	6,905,000	5.000%	2,635,125.00	9,540,125.00
06/30/2031	7,240,000	5.000%	2,281,500.00	9,521,500.00
06/30/2032	7,605,000	5.000%	1,910,375.00	9,515,375.00
06/30/2033	7,985,000	5.000%	1,520,625.00	9,505,625.00
06/30/2034	8,380,000	5.000%	1,111,500.00	9,491,500.00
06/30/2035	8,800,000	5.000%	682,000.00	9,482,000.00
06/30/2036	9,240,000	5.000%	231,000.00	9,471,000.00
	56,155,000		26,056,528.47	82,211,528.47

## **BOND DEBT SERVICE**

Period Ending	Principal	Coupon	Interest	Debt Service	Annual Debt Service
04/01/2024			1,645,653.47	1,645,653.47	
06/30/2024					1,645,653.47
10/01/202 <del>4</del>			1,403,875.00	1,403,875.00	
04/01/2025			1,403,875.00	1,403,875.00	
06/30/2025					2,807,750.00
10/01/2025			1,403,875.00	1,403,875.00	
04/01/2026			1,403,875.00	1,403,875.00	
06/30/2026					2,807,750.00
10/01/2026			1,403,875.00	1,403,875.00	
04/01/2027			1,403,875.00	1,403,875.00	
06/30/2027					2,807,750.00
10/01/2027			1,403,875.00	1,403,875.00	
04/01/2028			1,403,875.00	1,403,875.00	
06/30/2028					2,807,750.00
10/01/2028			1,403,875.00	1,403,875.00	
04/01/2029			1,403,875.00	1,403,875.00	
06/30/2029					2,807,750.00
10/01/2029	6,905,000	5.000%	1,403,875.00	8,308,875.00	
04/01/2030			1,231,250.00	1,231,250.00	
06/30/2030					9,540,125.00
10/01/2030	7,240,000	5.000%	1,231,250.00	8,471,250.00	
04/01/2031			1,050,250.00	1,050,250.00	
06/30/2031					9,521,500.00
10/01/2031	7,605,000	5.000%	1,050,250.00	8,655,250.00	
04/01/2032			860,125.00	860,125.00	
06/30/2032					9,515,375.00
10/01/2032	7,985,000	5.000%	860,125.00	8,845,125.00	
04/01/2033			660,500.00	660,500.00	
06/30/2033					9,505,625.00
10/01/2033	8,380,000	5.000%	660,500.00	9,040,500.00	
04/01/2034			451,000.00	451,000.00	
06/30/2034					9,491,500.00
10/01/2034	8,800,000	5.000%	451,000.00	9,251,000.00	
04/01/2035			231,000.00	231,000.00	
06/30/2035					9,482,000.00
10/01/2035	9,240,000	5.000%	231,000.00	9,471,000.00	
06/30/2036	. ,		•		9,471,000.00
	56,155,000		26,056,528.47	82,211,528.47	82,211,528.47

## **BOND SUMMARY STATISTICS**

Dated Date Delivery Date Last Maturity	08/31/2023 08/31/2023 10/01/2035
Arbitrage Yield True Interest Cost (TIC) Net Interest Cost (NIC) All-In TIC Average Coupon	2.847973% 2.990864% 3.266927% 3.047995% 5.000000%
Average Life (years) Weighted Average Maturity (years) Duration of Issue (years)	9.280 9.311 7.672
Par Amount Bond Proceeds Total Interest Net Interest Total Debt Service Maximum Annual Debt Service Average Annual Debt Service	56,155,000.00 65,467,348.10 26,056,528.47 17,024,955.37 82,211,528.47 9,540,125.00 6,802,148.99
Underwriter's Fees (per \$1000) Average Takedown Other Fee	5.000000
Total Underwriter's Discount	5.000000
Bid Price	116.083293

Bond Component	Par Value	Price	Average Coupon	Average Life	PV of 1 bp change
Bond Component	56,155,000.00	116.583	5.000%	9.280	47,299.05
	56,155,000.00			9.280	47,299.05
		TIC	All-Ir TIC	•	Arbitrage Yield
Par Value + Accrued Interest	56,155,000	0.00	56,155,000.00	)	56,155,000.00
+ Premium (Discount) - Underwriter's Discount - Cost of Issuance Expense - Other Amounts	9,312,34 -280,77		9,312,348.10 -280,775.00 -280,775.00	)	9,312,348.10
Target Value	65,186,57	3.10	64,905,798.10	)	65,467,348.10
Target Date Yield	08/31/2 2.99086		08/31/2023 3.047995%		08/31/2023 2.847973%

## **ESCROW REQUIREMENTS**

Period Ending	Interest	Principal Redeemed	Total
06/30/2024	1,585,437.50	63,475,000	65,060,437.50
	1,585,437.50	63,475,000	65,060,437.50

## **ESCROW DESCRIPTIONS**

# DeKalb County Water and Sewer Series 2013 Refunding Preliminary, Subject to Change Market Conditions as of June 23, 2023

	Type of Security	Type of SLGS	Maturity Date	First Int Pmt Date	Par Amount	Rate	Max Rate
Aug 31, 202	23:						
<b>5</b> ,	SLGS	Certificate	10/01/2023	10/01/2023	35,996,383	5.190%	5.190%
	SLGS	Certificate	10/01/2023		28,905,818		5.190%
					64,902,201		

#### **SLGS Summary**

SLGS Rates File Total Certificates of Indebtedness 23JUN23 64,902,201.00

## **ESCROW COST**

Type of Security	Maturity Date	Par Amount	Rate	Cost	Total Cost
SLGS SLGS	10/01/2023 10/01/2023	35,996,383 28,905,818	5.190%	35,996,383 28,905,818	35,996,383.00 28,905,818.00
		64,902,201		64,902,201	64,902,201.00

Purchase Date	Cost of Securities	Cash Deposit	Total Escrow Cost	Yield
08/31/2023	64,902,201		64,902,201.00	2.847956%
	64,902,201	0.00	64,902,201.00	

## **ESCROW CASH FLOW**

## DeKalb County Water and Sewer Series 2013 Refunding Preliminary, Subject to Change Market Conditions as of June 23, 2023

Date	Principal	Interest	Net Escrow Receipts	Present Value to 08/31/2023 @ 2.8479560%
10/01/2023	64,902,201.00	158,236.56	65,060,437.56	64,902,201.00
	64,902,201.00	158,236.56	65,060,437.56	64,902,201.00

#### **Escrow Cost Summary**

Purchase date	08/31/2023
Purchase cost of securities	64,902,201.00
Target for yield calculation	64,902,201.00

## **ESCROW SUFFICIENCY**

Date	Escrow Requirement	Net Escrow Receipts	Excess Receipts	Excess Balance
10/01/2023	65,060,437.50	65,060,437.56	0.06	0.06
	65,060,437.50	65,060,437.56	0.06	

## **ESCROW STATISTICS**

# DeKalb County Water and Sewer Series 2013 Refunding Preliminary, Subject to Change Market Conditions as of June 23, 2023

Total Escrow Cost	Modified Duration (years)	Yield to Receipt Date	Yield to Disbursement Date	Perfect Escrow Cost	Value of Negative Arbitrage	Cost of Dead Time
Global Proceeds Escrow: 64,902,201.00	0.085	2.847956%	2.847956%	64,902,200.04	0.96	
64,902,201.00				64,902,200.04	0.96	0.00

Delivery date Arbitrage yield 08/31/2023 2.847973%

## **FORM 8038 STATISTICS**

# DeKalb County Water and Sewer Series 2013 Refunding Preliminary, Subject to Change Market Conditions as of June 23, 2023

Dated Date 08/31/2023 Delivery Date 08/31/2023

Bond Component	Date	Principal	Coupon	Price	Issue Price	Redemption at Maturity
Bond Component:						
,	10/01/2029	6,905,000.00	5.000%	112.105	7,740,850.25	6,905,000.00
	10/01/2030	7,240,000.00	5.000%	114.251	8,271,772.40	7,240,000.00
	10/01/2031	7,605,000.00	5.000%	116.048	8,825,450.40	7,605,000.00
	10/01/2032	7,985,000.00	5.000%	117.885	9,413,117.25	7,985,000.00
	10/01/2033	8,380,000.00	5.000%	118.917	9,965,244.60	8,380,000.00
	10/01/2034	8,800,000.00	5.000%	118.435	10,422,280.00	8,800,000.00
	10/01/2035	9,240,000.00	5.000%	117.193	10,828,633.20	9,240,000.00
		56,155,000.00			65,467,348.10	56,155,000.00
		30,133,000.00			UJ, TU, JU.10	30,133,0

	Maturity Date	Interest Rate	Issue Price	Stated Redemption at Maturity	Weighted Average Maturity	Yield
Final Maturity Entire Issue	10/01/2035	5.000%	10,828,633.20 65,467,348.10	9,240,000.00 56,155,000.00	9.3107	2.8480%
Proceeds used for Proceeds allocated Proceeds used to r Proceeds used to r Remaining WAM o Remaining WAM o		t ired reserve of mpt bonds bonds bonds (years) is (years)	nderwriters' discount r replacement fund	)	64	0.00 561,550.00 0.00 0.00 ,902,201.00 0.00 9.2806 0.0000 10/01/2023
	2011	Form 8038 St	atistics			
Proceeds used to a Remaining weighter		r issues of the bonds	to be currently refui to be advance refun		64	,902,201.00 0.00 9.2806 0.0000

## **FORM 8038 STATISTICS**

DeKalb County Water and Sewer Series 2013 Refunding Preliminary, Subject to Change Market Conditions as of June 23, 2023

#### **Refunded Bonds**

Bond Component	Date	Principal	Coupon	Price	Issue Price
Series 2013 Refundii	ng Bonds:				
BOND	10/01/2029	7,800,000.00	5.000%	100.000	7,800,000.00
BOND	10/01/2030	8,185,000.00	5.000%	100.000	8,185,000.00
BOND	10/01/2031	8,595,000.00	5.000%	100.000	8,595,000.00
BOND	10/01/2032	9,025,000.00	5.000%	100.000	9,025,000.00
BOND	10/01/2033	575,000.00	4.500%	100.000	575,000.00
BOND	10/01/2034	9,950,000.00	5.000%	100.000	9,950,000.00
BOND	10/01/2035	10,445,000.00	5.000%	100.000	10,445,000.00
BOND02	10/01/2033	8,900,000.00	5.000%	100.000	8,900,000.00
	·	63,475,000.00			63,475,000.00

	Last Call Date	Issue Date	Remaining Weighted Average Maturity
Series 2013 Refunding Bonds	10/01/2023	12/19/2013	9.2806
All Refunded Issues	10/01/2023		9.2806