SALE DAY REPORT FOR:

City of Grand Rapids, Minnesota

\$4,575,000 General Obligation Utility Revenue Bonds, Series 2023B



Prepared by:

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Todd Hagen, Senior Municipal Advisor

BUILDING COMMUNITIES. IT'S WHAT WE DO.

Competitive Sale Results

PURPOSE: For the purpose of financing the construction of water and

wastewater improvements for the Sylvan Bay project and the

industrial park area in the City.

RATING: MN Credit Enhancement Rating: S&P Global Ratings "AAA"

Underlying Rating: S&P Global Ratings "AA-"

NUMBER OF BIDS: 6

LOW BIDDER: Baird, Milwaukee, Wisconsin

COMPARISON FROM LOWEST TO HIGHEST BID: (TIC as bid)

LOW BID:* 4.2121%

HIGH BID: 4.4582%

Summary of Sale Results:				
Principal Amount*:	\$4,575,000			
Underwriter's Discount:	\$56,544			
Reoffering Premium:	\$152,736			
True Interest Cost:	4.2134%			
Costs of Issuance:	\$54,920			
Yield:	3.80%-4.35%			
Total Net P&I	\$6,454,869			

NOTES: U.S. Bank Trust Company, National Association, St. Paul,

Minnesota will serve as Paying Agent on the Bonds.

The Bonds maturing February 1, 2034, and thereafter are

callable February 1, 2033, or any date thereafter.

*Subsequent to bid opening, the issue size was decreased to

\$4.575.000.00.

CLOSING DATE: November 9, 2023

CITY COUNCIL Adopt a resolution awarding the sale of \$4,575,000 General

ACTION: Obligation Utility Revenue Bonds, Series 2023B.

SUPPLEMENTARY ATTACHMENTS

- Bid Tabulation
- Sources and Uses of Funds
- Updated Debt Service Schedules
- Rating Report
- Bond Resolution (Distributed in City Council Packets)



BID TABULATION

\$4,755,000* General Obligation Utility Revenue Bonds, Series 2023B

City of Grand Rapids, Minnesota

SALE: October 23, 2023

AWARD: BAIRD

MN Credit Enhancement Rating: S&P Global Ratings "AAA"

Underlying Rating: S&P Global Ratings "AA-"

Tax Exempt - Bank Qualified

	MATURITY				TRUE INTEREST
NAME OF BIDDER	(February 1)			PRICE	RATE
	(2002001) 2)	REOFFERING	COUPON	11102	
		YIELD	RATE		
BAIRD				\$4,857,507.15	4.2121%
Milwaukee, Wisconsin	2025	3.950%	5.000%		
C.L. King & Associates	2026	3.900%	5.000%		
Colliers Securities LLC	2027	3.850%	5.000%		
Edward Jones	2028	3.800%	5.000%		
Fidelity Capital Markets.	2029	3.800%	5.000%		
Crews & Associates, Inc.	2030	3.800%	5.000%		
Country Club Bank	2031	3.820%	5.000%		
Oppenheimer & Co.	2032	3.840%	5.000%		
Sierra Pacific Securities	2033	3.850%	5.000%		
Alliance Global Partners	2034	3.880%	5.000%		
Celadon Financial Group, LLC	2035	4.050%	4.000%		
Isaak Bond Investments, Inc	2036	4.100%	4.000%		
Carty & Company, Inc	2037	4.150%	4.125%		
UMB Bank, N.A.	2038	4.250%	4.250%		
Wintrust Investment, LLC	2039	4.350%	4.250%		
FMS Bonds Inc					
Midland Securities					
First Southern LLC					
Dinosaur Securities					
First Bankers' Banc Securities, Inc					
Mountainside Securities LLC					
StoneX Financial Inc.					
Commerce Bank, N.A.					
Seaport Global Securities LLC					

Subsequent to bid opening the issue size was decreased to \$4,575,000.

Adjusted Price - \$4,671,191.95 Adjusted Net Interest Cost - \$1,783,677.40 Adjusted TIC - 4.2134%







NAME OF BIDDER	MATURITY (February 1)	PRICE	TRUE INTEREST RATE
THE BAKER GROUP Oklahoma City, Oklahoma		\$4,813,512.05	4.2636%
PIPER SANDLER & CO. Minneapolis, Minnesota		\$4,875,488.50	4.2780%
NORTHLAND SECURITIES, INC. Minneapolis, Minnesota		\$4,879,487.30	4.2951%
TD SECURITIES (USA) LLC New York, New York		\$4,970,184.70	4.3575%
BOK FINANCIAL SECURITIES, INC. Milwaukee, Wisconsin		\$4,794,297.20	4.4582%

\$4,575,000 General Obligation Utility Revenue Bonds, Series 2023B Issue Summary

Total Issue Sources And Uses

Dated 11/09/2023 Delivered 11/09/2023					
	Sanitary		Sanitary		
	Sewer -	Water -	Sewer -	Water -	Issue
	Sylvan Bay	Sylvan Bay	Ainsworth	Ainsworth	Summary
Sources Of Funds					
Par Amount of Bonds	\$1,230,000.00	\$1,520,000.00	\$950,000.00	\$875,000.00	\$4,575,000.00
Reoffering Premium	40,889.25	50,456.00	31,855.25	29,535.75	152,736.25
Total Sources	\$1,270,889.25	\$1,570,456.00	\$981,855.25	\$904,535.75	\$4,727,736.25
Uses Of Funds					
Total Underwriter's Discount (1.236%)	15,202.08	18,786.30	11,741.44	10,814.48	56,544.30
Costs of Issuance	13,587.22	19,409.70	12,319.81	9,603.27	54,920.00
Deposit to Project Construction Fund	1,242,099.95	1,532,260.00	957,794.00	884,118.00	4,616,271.95
Total Uses	\$1,270,889.25	\$1,570,456.00	\$981.855.25	\$904.535.75	\$4,727,736.25

\$4,575,000 General Obligation Utility Revenue Bonds, Series 2023B Issue Summary

Debt Service Schedule

0801/2025	Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
02/01/2025	11/09/2023	-	-	-	-	-
08/01/2025	08/01/2024	-	-	154,425.35	154,425.35	-
02/01/2026 225,000.00 5.000% 101,968.76 326,968.76 428.93 08/01/2026 - - 96,343.76 96,343.76 96,343.76 02/01/2027 240,000.00 5.000% 96,343.76 90,343.76 430,63 08/01/2028 250,000.00 5.000% 90,343.76 340,343.76 430,61 08/01/2028 - - 84,093.76 340,993.76 430,61 08/01/2029 265,000.00 5.000% 84,093.76 349,093.76 433,18 08/01/2030 280,000.00 5.000% 77,468.76 77,468.76 437,468.76 02/01/2031 290,000.00 5.000% 70,468.76 360,468.76 430,93 08/01/2031 - - 63,218.76 363,218.76 63,218.76 02/01/2032 305,000.00 5.000% 63,218.76 368,218.76 431,43 08/01/2033 - - - 55,593.76 55,593.76 370,593.76 426,18 08/01/2034 35,000.00 5.000%	02/01/2025	165,000.00	5.000%	106,093.76	271,093.76	425,519.11
08/01/2026	08/01/2025	-	-	101,968.76	101,968.76	-
02/01/2027 240,000.00 5.000% 96,343.76 336,343.76 432.60 08/01/2027 90,343.76 90,343.76 02/01/2028 250,000.00 5.000% 93,433.76 340,343.76 08/01/2028 84,093.76 84,093.76 02/01/2029 265,000.00 5.000% 84,093.76 349,093.76 433,18 08/01/2029 77,468.76 77,468.76 02/01/2030 280,000.00 5.000% 77,468.76 357,468.76 434,93 08/01/2031 70,468.76 70,468.76 02/01/2031 290,000.00 5.000% 70,468.76 360,468.76 02/01/2032 305,000.00 5.000% 63,218.76 368,218.76 02/01/2032 305,000.00 5.000% 63,218.76 368,218.76 02/01/2033 315,000.00 5.000% 55,593.76 370,593.76 426,18 08/01/2034 335,000.00 5.000% 55,593.76 370,593.76 426,18 08/01/2034 335,000.00 5.000% 39,343.76 39,343.76 02/01/2034 35,000.00 5.000% 39,343.76 39,343.76 02/01/2035 355,000.00 4.000% 39,343.76 39,343.76 02/01/2036 365,000.00 4.000% 39,343.76 39,343.76 02/01/2037 380,000.00 4.000% 32,243.76 397,243.76 429,48 08/01/2037 24,943.76 24,943.76 02/01/2037 380,000.00 4.000% 32,243.76 397,243.76 429,48 08/01/2037 380,000.00 4.000% 32,243.76 397,243.76 429,48 08/01/2037 380,000.00 4.000% 32,243.76 397,243.76 429,48 08/01/2036 365,000.00 4.000% 32,243.76 397,243.76 429,48 08/01/2037 380,000.00 4.000% 32,243.76 397,243.76 429,48 08/01/2037 380,000.00 4.000% 32,243.76 397,243.76 429,48 08/01/2037 380,000.00 4.000% 32,243.76 397,243.76 429,48 08/01/2037 380,000.00 4.000% 32,243.76 397,243.76 429,48 08/01/2037 380,000.00 4.000% 32,243.76 404,943.76 429,48 08/01/2037 380,000.00 4.250% 17,106.25 17,106.25 02/01/2039 415,000.00 4.250% 17,106.25 407,106.25 442,21 02/01/2039 415,000.00 4.250% 17,106.25 407,106.25 424,21 02/01/2039 415,000.00 4.250% 17,106.25 407,106.25 424,21 02/01/2039 415,000.00 4.250% 17,106.25 17,106.25 17,106.25 02/01/2039 415,000.00 4.250% 17,106.25 17,106.25 17,106.25 02/01/2039 415,000.00 4.250% 18,187.5 423,818.75 423,818.75 02/01/2039 415,000.00 4.250% 17,106.25 17,106.25 17,106.25 17,106.25 17,106.25 17,106.25 17,106.25 17,106.25 17,106.25 17,106.25 17,106.25 17,106.25 17,106.25 17,106.25 17,106.25 17,106.25 17,106.25 17,106.25 17,106.25 17	02/01/2026	225,000.00	5.000%	101,968.76	326,968.76	428,937.52
08/01/2027 - 90,343.76 90,343.76 20/01/2028 250,000.00 5.000% 90,343.76 340,43.76 430,68 08/01/2028 - 84,093.76 84,093.76 84,093.76 08/01/2029 265,000.00 5.000% 84,093.76 77,468.76 77,468.76 77,468.76 77,468.76 77,468.76 77,468.76 77,468.76 70,201/2030 280,000.00 5.000% 77,468.76 357,468.76 434.93 08/01/2031 290,000.00 5.000% 70,468.76 360,468.76 430,93 08/01/2031 290,000.00 5.000% 70,468.76 360,468.76 430,93 08/01/2031 5.000% 5.000% 63,218.76 63,218.76 63,218.76 60,201/2032 305,000.00 5.000% 55,593.76 55,593.76 55,593.76 02/01/2033 315,000.00 5.000% 55,593.76 370,593.76 426,18 08/01/2033 - 47,718.76 47,718.76 47,718.76 02/01/2034 335,000.00 5.000% 47,718.76 382,718.76 430,43 08/01/2034 - 39,343.76 39,343.76 39,343.76 02/01/2035 355,000.00 5.000% 47,718.76 382,718.76 430,43 08/01/2035 355,000.00 4.000% 39,343.76 39,343.76 02/01/2035 355,000.00 4.000% 39,343.76 39,343.76 02/01/2035 355,000.00 4.000% 32,243.76 39,243.76 429,48 08/01/2035 - 24,943.76 24,943.76 24,943.76 20/01/2037 380,000.00 4.000% 32,243.76 39,243.76 22,943.76 02/01/2037 380,000.00 4.000% 32,243.76 39,243.76 24,943	08/01/2026	-	-	96,343.76	96,343.76	-
02/01/2028	02/01/2027	240,000.00	5.000%	96,343.76	336,343.76	432,687.52
08/01/2028 - 84,093.76 84,093.76 349,093.76 433,18 08/01/2029 - - 77,468.76 77,468.76 374,08.76 348,093.76 433,18 08/01/2030 280,000.00 5.000% 77,468.76 357,468.76 434,93 08/01/2031 290,000.00 5.000% 70,468.76 360,468.76 430,93 08/01/2031 - - 63,218.76 63,218.76 63,218.76 02/01/2032 305,000.00 5.000% 63,218.76 368,218.76 431,43 08/01/2032 - - - 55,593.76 55,593.76 370,593.76 426,18 08/01/2033 - - - 55,593.76 370,593.76 426,18 08/01/2033 - - 47,718.76 47,718.76 426,18 08/01/2034 - - 39,343.76 39,343.76 39,343.76 02/01/2035 355,000.00 5,000% 47,718.76 39,343.76 39,343.76 08/01/2036 - </td <td>08/01/2027</td> <td>-</td> <td>-</td> <td>90,343.76</td> <td>90,343.76</td> <td>-</td>	08/01/2027	-	-	90,343.76	90,343.76	-
02/01/2029 265,000.00 5.000% 84,093.76 349,093.76 433,18 08/01/2029 - - 77,468.76 77,468.76 357,468.76 434,93 08/01/2030 280,000.00 5.000% 77,468.76 357,468.76 434,93 08/01/2031 290,000.00 5.000% 70,468.76 360,468.76 430,93 08/01/2031 - - 63,218.76 63,218.76 368,218.76 431,43 08/01/2032 305,000.00 5.000% 63,218.76 368,218.76 431,43 08/01/2032 - - 55,593.76 55,593.76 370,593.76 426,18 08/01/2033 315,000.00 5.000% 55,593.76 370,593.76 426,18 08/01/2034 - - 47,718.76 47,718.76 47,718.76 08/01/2034 - - 39,343.76 393,433.76 393,433.76 393,433.76 393,433.76 393,433.76 393,433.76 30,001,203 40,000% 32,243.76 32,243.76 30,000,203,243.76	02/01/2028	250,000.00	5.000%	90,343.76	340,343.76	430,687.52
08/01/2029 - 77,468.76 77,468.76 354.876 434,93 08/01/2030 280,000.00 5.000% 77,468.76 357,468.76 434,93 08/01/2031 290,000.00 5.000% 70,468.76 360,468.76 430,93 08/01/2031 - 63,218.76 63,218.76 63,218.76 02/01/2032 305,000.00 5.000% 63,218.76 368,218.76 431,43 08/01/2032 - 55,593.76 55,593.76 55,593.76 02/01/2033 315,000.00 5.000% 55,593.76 370,593.76 426,18 08/01/2033 - 47,718.76 47,718.76 47,718.76 02/01/2034 335,000.00 5.000% 47,718.76 382,718.76 430,43 08/01/2034 - 39,343.76 39,343.76 39,343.76 02/01/2035 355,000.00 4.000% 39,343.76 394,343.76 394,343.76 08/01/2035 - 32,243.76 39,343.76 394,343.76 02/01/2036 365,000.00 4.000% 32,243.76 397,243.76 429,48 08/01/2037 - 24,943.76 404,943.76 429,48 08/01/2037 380,000.00 4.125% 24,943.76 404,943.76 429,48 08/01/2037 3 80,000.00 4.250% 17,106.25 17,106.25 02/01/2038 390,000.00 4.250% 17,106.25 407,106.25 424,21 08/01/2038 - 8,818.75 02/01/2039 415,000.00 4.250% 8,818.75 423,818.75 02/01/2039 415,000.00 4.250% 8,818.75 423,818.75 02/01/2039 415,000.00 4.250% 8,818.75 423,818.75 02/01/2039 415,000.00 - \$1,879,869.35 \$6,454,869.35	08/01/2028	-	-	84,093.76	84,093.76	-
02/01/2030	02/01/2029	265,000.00	5.000%	84,093.76	349,093.76	433,187.52
02/01/2030	08/01/2029	· -	-	77,468.76	77,468.76	_
08/01/2030		280,000.00	5.000%	77,468.76	357,468.76	434,937.52
02/01/2031 290,000.00 5.000% 70,468.76 360,468.76 430,93 08/01/2031 - - 63,218.76 63,218.76 368,218.76 431,43 08/01/2032 305,000.00 5.000% 63,218.76 368,218.76 431,43 08/01/2033 1 - 55,593.76 57,593.76 426,18 08/01/2033 - - 47,718.76 47,718.76 426,18 08/01/2034 335,000.00 5.000% 47,718.76 382,718.76 430,43 08/01/2035 355,000.00 5.000% 47,718.76 39,343.76 39,343.76 39,343.76 433,68 08/01/2035 355,000.00 4.000% 39,343.76 394,343.76 433,68 08/01/2035 - - 32,243.76 32,243.76 32,243.76 08/01/2036 - - 24,943.76 24,943.76 429,48 08/01/2037 - - 17,106.25 17,106.25 02/01/2038 390,000.00 4.250% 17,106.25		-	-			-
08/01/2031 - - 63,218.76 63,218.76 02/01/2032 305,000.00 5.000% 63,218.76 368,218.76 431,43 08/01/2032 - - - 55,593.76 55,593.76 50,593.76 426,18 08/01/2033 315,000.00 5.000% 55,593.76 370,593.76 426,18 02/01/2034 335,000.00 5.000% 47,718.76 382,718.76 430,43 08/01/2034 - - 39,343.76 39,343.76 39,343.76 433,60 08/01/2035 355,000.00 4.000% 39,343.76 39,343.76 429,43 08/01/2036 - - 32,243.76 32,243.76 32,243.76 429,43 08/01/2036 - - 24,943.76 24,943.76 429,43 429,43 08/01/2037 - - 24,943.76 404,943.76 429,81 08/01/2038 - - 17,106.25 17,106.25 407,106.25 424,21 08/01/2038 -		290.000.00	5.000%	*	· · · · · · · · · · · · · · · · · · ·	430,937.52
02/01/2032 305,000.00 5.000% 63,218.76 368,218.76 431,43 08/01/2032 - - 55,593.76 55,593.76 426,18 02/01/2033 315,000.00 5.000% 55,593.76 370,593.76 426,18 08/01/2034 335,000.00 5.000% 47,718.76 382,718.76 430,43 08/01/2034 - - 39,343.76 39,343.76 39,343.76 08/01/2035 355,000.00 4.000% 39,343.76 394,343.76 433,68 08/01/2036 365,000.00 4.000% 32,243.76 39,243.76 429,48 08/01/2036 - - 24,943.76 24,943.76 429,48 08/01/2037 380,000.00 4.125% 24,943.76 404,943.76 429,88 08/01/2037 - - 17,106.25 17,106.25 17,106.25 02/01/2038 390,000.00 4.250% 17,106.25 407,106.25 424,21 08/01/2039 415,000.00 4.250% 8,818.75 423,818.75 <td></td> <td>-</td> <td>-</td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td>-</td>		-	-	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	-
08/01/2032 - - 55,593.76 55,593.76 02/01/2033 315,000.00 5.000% 55,593.76 370,593.76 426,18 08/01/2033 - - 47,718.76 47,718.76 382,718.76 430,43 08/01/2034 335,000.00 5.000% 47,718.76 382,718.76 430,43 08/01/2035 355,000.00 4.000% 39,343.76 394,343.76 433,68 08/01/2035 355,000.00 4.000% 39,343.76 397,243.76 429,48 08/01/2036 365,000.00 4.000% 32,243.76 397,243.76 429,48 08/01/2036 - - 24,943.76 24,943.76 429,48 08/01/2037 380,000.00 4.125% 24,943.76 404,943.76 429,88 08/01/2038 390,000.00 4.250% 17,106.25 17,106.25 407,106.25 424,21 08/01/2038 - - 8.818.75 8.818.75 423,818.75 432,63 Total \$4,575,000.00 -		305,000,00	5.000%			431,437.52
02/01/2033 315,000.00 5.000% 55,593.76 370,593.76 426,18 08/01/2033 - - 47,718.76 47,718.76 382,718.76 430,43 08/01/2034 335,000.00 5.000% 47,718.76 382,718.76 430,43 08/01/2035 355,000.00 4.000% 39,343.76 394,343.76 433,68 08/01/2035 - - - 32,243.76 322,243.76 322,243.76 02/01/2036 365,000.00 4.000% 32,243.76 397,243.76 429,48 08/01/2036 365,000.00 4.000% 32,243.76 397,243.76 429,48 08/01/2037 380,000.00 4.125% 24,943.76 404,943.76 429,88 08/01/2038 390,000.00 4.250% 17,106.25 407,106.25 424,21 08/01/2038 - - 8,818.75 8,818.75 423,818.75 02/01/2039 415,000.00 4.250% 8,818.75 423,818.75 432,61 Yield Statistics Net Interes		-	-			-
08/01/2033 - - 47,718.76 47,718.76 02/01/2034 335,000.00 5.000% 47,718.76 382,718.76 430,43 08/01/2034 - - 39,343.76 39,343.76 394,343.76 433,68 02/01/2035 355,000.00 4.000% 39,343.76 32,243.76 429,43.76 02/01/2036 365,000.00 4.000% 32,243.76 397,243.76 429,48 08/01/2036 - - 24,943.76 24,943.76 429,48 08/01/2037 380,000.00 4.125% 24,943.76 404,943.76 429,88 08/01/2038 390,000.00 4.250% 17,106.25 17,106.25 427,106.25 08/01/2038 - - 8,818.75 8,818.75 8818.75 02/01/2039 415,000.00 4.250% 8,818.75 423,818.75 432,61 Total \$4,575,000.00 - \$1,879,869.35 \$6,454,869.35 Yield Statistics Net Interest Cost (NIC) 4.25220		315 000 00	5 000%			426,187.52
02/01/2034 335,000.00 5.000% 47,718.76 382,718.76 430,43 08/01/2034 - - 39,343.76 39,343.76 39,343.76 433,63 02/01/2035 355,000.00 4.000% 39,343.76 32,243.76 32,243.76 32,243.76 429,43 02/01/2036 365,000.00 4.000% 32,243.76 397,243.76 429,43 08/01/2036 - - 24,943.76 24,943.76 24,943.76 02/01/2037 380,000.00 4.125% 24,943.76 404,943.76 429,88 08/01/2037 - - 17,106.25 17,106.25 17,106.25 02/01/2038 390,000.00 4.250% 17,106.25 407,106.25 424,21 08/01/2038 - - 8,818.75 8,818.75 8,818.75 02/01/2039 415,000.00 4.250% 8,818.75 423,818.75 432,63 Yield Statistics Net Interest Cost (NIC) 4.250% 4.250% 8,818.75 423,818.75 <t< td=""><td></td><td>-</td><td>3.00070</td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td>120,107.32</td></t<>		-	3.00070	· · · · · · · · · · · · · · · · · · ·		120,107.32
08/01/2034 - - 39,343.76 39,343.76 39,343.76 433,68 02/01/2035 355,000.00 4.000% 39,343.76 394,343.76 433,68 08/01/2036 365,000.00 4.000% 32,243.76 397,243.76 429,48 08/01/2036 - - 24,943.76 24,943.76 429,48 08/01/2037 380,000.00 4.125% 24,943.76 404,943.76 429,88 08/01/2038 390,000.00 4.250% 17,106.25 17,106.25 427,106.25 08/01/2038 390,000.00 4.250% 17,106.25 407,106.25 424,21 08/01/2039 415,000.00 4.250% 8,818.75 8,818.75 423,818.75 432,63 Total \$4,575,000.00 - \$1,879,869.35 \$6,454,869.35 ** Yield Statistics Net Interest Cost (NIC) 4.25220 True Interest Cost (NIC) 4.2348 True Interest Cost (TIC) 4.21348		335,000,00	5.000%	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	430,437.52
02/01/2035 355,000.00 4.000% 39,343.76 394,343.76 433,60 08/01/2035 - - 32,243.76 32,243.76 397,243.76 429,40 08/01/2036 - - 24,943.76 24,943.76 429,43 429,40 08/01/2037 380,000.00 4.125% 24,943.76 404,943.76 429,80 08/01/2037 - - 17,106.25 17,106.25 02/01/2038 390,000.00 4.250% 17,106.25 407,106.25 424,21 08/01/2038 - - 8,818.75 8,818.75 423,818.75 423,818.75 02/01/2039 415,000.00 4.250% 8,818.75 423,818.75 432,63 Total \$4,575,000.00 - \$1,879,869.35 \$6,454,869.35 Yield Statistics Vield Statistics Net Interest Cost (NIC) Average Coupon 4.48152 Average Coupon 4.25220 True Interest Cost (TIC) 4.25348		-	3.00070		· · · · · · · · · · · · · · · · · · ·	130,137.32
08/01/2035 - - 32,243.76 32,243.76 329,43.76 429,48 02/01/2036 365,000.00 4.000% 32,243.76 397,243.76 429,48 08/01/2036 - - 24,943.76 24,943.76 404,943.76 429,88 08/01/2037 - - 17,106.25 17,106.25 407,106.25 422,28 08/01/2038 390,000.00 4.250% 17,106.25 407,106.25 424,21 08/01/2038 - - 8,818.75 8,818.75 8,818.75 02/01/2039 415,000.00 4.250% 8,818.75 423,818.75 432,63 Total \$4,575,000.00 - \$1,879,869.35 \$6,454,869.35 Yield Statistics Wet Interest Cost (NIC) 4.25220 True Interest Cost (NIC) 4.25220 True Interest Cost (TIC) 4.21348		355 000 00	4 000%		· · · · · · · · · · · · · · · · · · ·	433,687.52
02/01/2036 365,000.00 4.000% 32,243.76 397,243.76 429,48 08/01/2036 - - 24,943.76 24,943.76 24,943.76 02/01/2037 380,000.00 4.125% 24,943.76 404,943.76 429,88 08/01/2037 - - 17,106.25 17,106.25 17,106.25 02/01/2038 390,000.00 4.250% 17,106.25 407,106.25 424,21 08/01/2038 - - 8,818.75 8,818.75 8,818.75 02/01/2039 415,000.00 4.250% 8,818.75 423,818.75 432,63 Total \$4,575,000.00 - \$1,879,869.35 \$6,454,869.35 Yield Statistics Wet Interest Cost (NIC) 4.48152 Net Interest Cost (NIC) 4.25220 True Interest Cost (TIC) 4.21348		333,000.00	4.00070			+33,007.32
08/01/2036 - - 24,943.76 24,943.76 02/01/2037 380,000.00 4.125% 24,943.76 404,943.76 429,88 08/01/2037 - - 17,106.25 17,106.25 17,106.25 407,106.25 424,21 02/01/2038 390,000.00 4.250% 17,106.25 407,106.25 424,21 08/01/2038 - - 8,818.75 8,818.75 423,818.75 02/01/2039 415,000.00 4.250% 8,818.75 423,818.75 432,63 Total \$4,575,000.00 - \$1,879,869.35 \$6,454,869.35 Yield Statistics Statistics Wet Interest Cost (NIC) 4.25220 True Interest Cost (NIC) 4.25220 True Interest Cost (TIC) 4.21348		365 000 00	4.000%			429,487.52
02/01/2037 380,000.00 4.125% 24,943.76 404,943.76 429,88 08/01/2037 - - 17,106.25 17,106.25 17,106.25 02/01/2038 390,000.00 4.250% 17,106.25 407,106.25 424,21 08/01/2038 - - 8,818.75 8,818.75 02/01/2039 415,000.00 4.250% 8,818.75 423,818.75 432,63 Total \$4,575,000.00 - \$1,879,869.35 \$6,454,869.35 Yield Statistics Bond Year Dollars \$41,94 Average Life 9.169 ° Average Coupon 4.48152 Net Interest Cost (NIC) 4.25220 True Interest Cost (TIC) 4.21348		303,000.00	4.00070			727,767.32
08/01/2037 - - 17,106.25 17,106.25 02/01/2038 390,000.00 4.250% 17,106.25 407,106.25 424,21 08/01/2038 - - 8,818.75 8,818.75 02/01/2039 415,000.00 4.250% 8,818.75 423,818.75 432,63 Total \$4,575,000.00 - \$1,879,869.35 \$6,454,869.35 Yield Statistics Statistics We are Dollars Average Life 9.169 No.00 Average Coupon 4.48152 Net Interest Cost (NIC) 4.25220 True Interest Cost (TIC) 4.21348		380 000 00	4 125%			429,887.52
02/01/2038 390,000.00 4.250% 17,106.25 407,106.25 424,21 08/01/2038 - - 8,818.75 8,818.75 02/01/2039 415,000.00 4.250% 8,818.75 423,818.75 432,63 Total \$4,575,000.00 - \$1,879,869.35 \$6,454,869.35 Yield Statistics Bond Year Dollars \$41,94 Average Life 9.169 No.00 Average Coupon 4.48152 Net Interest Cost (NIC) 4.25220 True Interest Cost (TIC) 4.21348		300,000.00	4.12370			427,007.32
08/01/2038 - - 8,818.75 8,818.75 02/01/2039 415,000.00 4.250% 8,818.75 423,818.75 432,63 Total \$4,575,000.00 - \$1,879,869.35 \$6,454,869.35 Yield Statistics Bond Year Dollars \$41,94 Average Life 9.169 Year Average Coupon Net Interest Cost (NIC) 4.25220 True Interest Cost (TIC) 4.21348		300 000 00	4.250%			424,212.50
02/01/2039 415,000.00 4.250% 8,818.75 423,818.75 432,63 Total \$4,575,000.00 - \$1,879,869.35 \$6,454,869.35 Yield Statistics Bond Year Dollars \$41,94 Average Life 9.169 Noverage Coupon Net Interest Cost (NIC) 4.25220 True Interest Cost (TIC) 4.21348		390,000.00	4.23070			424,212.30
Total \$4,575,000.00 - \$1,879,869.35 \$6,454,869.35 Yield Statistics Bond Year Dollars \$41,94 Average Life 9.169 Year Dollars Average Coupon 4.48152 Net Interest Cost (NIC) 4.25220 True Interest Cost (TIC) 4.21348		415,000,00	4 25004		· · · · · · · · · · · · · · · · · · ·	122 627 50
Yield Statistics \$41,94 Bond Year Dollars \$1,92 Average Life 9.169 Average Coupon 4.48152 Net Interest Cost (NIC) 4.25220 True Interest Cost (TIC) 4.21348				·		432,037.30
Bond Year Dollars \$41,94 Average Life 9.169 No. Average Coupon 4.48152 Net Interest Cost (NIC) 4.25220 True Interest Cost (TIC) 4.21348	1 otai	\$4,575,000.00	-	\$1,879,869.35	\$0,454,809.35	-
Average Life 9.169 ° Average Coupon 4.48152 Net Interest Cost (NIC) 4.25220 True Interest Cost (TIC) 4.21348	Yield Statistics					
Average Life 9.169 ° Average Coupon 4.48152 Net Interest Cost (NIC) 4.25220 True Interest Cost (TIC) 4.21348	Bond Year Dollars					\$41,947.08
Average Coupon 4.48152 Net Interest Cost (NIC) 4.25220 True Interest Cost (TIC) 4.21348	Average Life					9.169 Years
Net Interest Cost (NIC) True Interest Cost (TIC) 4.25220 4.21348						4.4815258%
True Interest Cost (TIC) 4.21348						
	Net Interest Cost (NI	(C)				4.2522084%
Bond Yield for Arbitrage Purposes 4.04076						4.2134860%
						4.0407668%
All Inclusive Cost (AIC) 4.37787	All Inclusive Cost (A	AIC)				4.3778795%
IRS Form 8038						
						4.0168934%
Weighted Average Maturity 9.095 Y	Weighted Average M	laturity				9.095 Years



\$4,575,000 General Obligation Utility Revenue Bonds, Series 2023B Issue Summary

Net Debt Service Schedule

						Fiscal
Date	Principal	Coupon	Interest	Total P+I	Net New D/S	Total
11/09/2023	-	-	-	-	-	
08/01/2024	-	-	154,425.35	154,425.35	154,425.35	_
02/01/2025	165,000.00	5.000%	106,093.76	271,093.76	271,093.76	425,519.11
08/01/2025	-	-	101,968.76	101,968.76	101,968.76	_
02/01/2026	225,000.00	5.000%	101,968.76	326,968.76	326,968.76	428,937.52
08/01/2026	-	-	96,343.76	96,343.76	96,343.76	
02/01/2027	240,000.00	5.000%	96,343.76	336,343.76	336,343.76	432,687.52
08/01/2027	-	-	90,343.76	90,343.76	90,343.76	-
02/01/2028	250,000.00	5.000%	90,343.76	340,343.76	340,343.76	430,687.52
08/01/2028	-	-	84,093.76	84,093.76	84,093.76	-
02/01/2029	265,000.00	5.000%	84,093.76	349,093.76	349,093.76	433,187.52
08/01/2029	-	-	77,468.76	77,468.76	77,468.76	-
02/01/2030	280,000.00	5.000%	77,468.76	357,468.76	357,468.76	434,937.52
08/01/2030	-	-	70,468.76	70,468.76	70,468.76	-
02/01/2031	290,000.00	5.000%	70,468.76	360,468.76	360,468.76	430,937.52
08/01/2031	-	-	63,218.76	63,218.76	63,218.76	-
02/01/2032	305,000.00	5.000%	63,218.76	368,218.76	368,218.76	431,437.52
08/01/2032	-	-	55,593.76	55,593.76	55,593.76	-
02/01/2033	315,000.00	5.000%	55,593.76	370,593.76	370,593.76	426,187.52
08/01/2033	-	-	47,718.76	47,718.76	47,718.76	-
02/01/2034	335,000.00	5.000%	47,718.76	382,718.76	382,718.76	430,437.52
08/01/2034	-	-	39,343.76	39,343.76	39,343.76	-
02/01/2035	355,000.00	4.000%	39,343.76	394,343.76	394,343.76	433,687.52
08/01/2035	-	-	32,243.76	32,243.76	32,243.76	-
02/01/2036	365,000.00	4.000%	32,243.76	397,243.76	397,243.76	429,487.52
08/01/2036	-	-	24,943.76	24,943.76	24,943.76	-
02/01/2037	380,000.00	4.125%	24,943.76	404,943.76	404,943.76	429,887.52
08/01/2037	-	-	17,106.25	17,106.25	17,106.25	-
02/01/2038	390,000.00	4.250%	17,106.25	407,106.25	407,106.25	424,212.50
08/01/2038	-	-	8,818.75	8,818.75	8,818.75	
02/01/2039	415,000.00	4.250%	8,818.75	423,818.75	423,818.75	432,637.50
Total	\$4,575,000.00	-	\$1,879,869.35	\$6,454,869.35	\$6,454,869.35	-

Significant Dates

Dated	11/09/2023
First available call date	2/01/2033

\$1,230,000 General Obligation Utility Revenue Bonds, Series 2023B Sanitary Sewer - Sylvan Bay

Debt Service Schedule

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
11/09/2023	-	-	-	-	-
08/01/2024	-	-	41,496.98	41,496.98	-
02/01/2025	45,000.00	5.000%	28,509.38	73,509.38	115,006.36
08/01/2025	-	-	27,384.38	27,384.38	-
02/01/2026	60,000.00	5.000%	27,384.38	87,384.38	114,768.76
08/01/2026	-	-	25,884.38	25,884.38	-
02/01/2027	65,000.00	5.000%	25,884.38	90,884.38	116,768.76
08/01/2027	-	-	24,259.38	24,259.38	-
02/01/2028	65,000.00	5.000%	24,259.38	89,259.38	113,518.76
08/01/2028	-	-	22,634.38	22,634.38	-
02/01/2029	70,000.00	5.000%	22,634.38	92,634.38	115,268.76
08/01/2029	-	-	20,884.38	20,884.38	-
02/01/2030	75,000.00	5.000%	20,884.38	95,884.38	116,768.76
08/01/2030	-	-	19,009.38	19,009.38	-
02/01/2031	80,000.00	5.000%	19,009.38	99,009.38	118,018.76
08/01/2031	-	-	17,009.38	17,009.38	-
02/01/2032	80,000.00	5.000%	17,009.38	97,009.38	114,018.76
08/01/2032	-	-	15,009.38	15,009.38	
02/01/2033	85,000.00	5.000%	15,009.38	100,009.38	115,018.76
08/01/2033	-	3.00070	12,884.38	12,884.38	-
02/01/2034	90,000.00	5.000%	12,884.38	102,884.38	115,768.76
08/01/2034	-	3.00070	10,634.38	10,634.38	-
02/01/2035	95,000.00	4.000%	10,634.38	105,634.38	116,268.76
08/01/2035	75,000.00	4.00070	8,734.38	8,734.38	110,200.70
02/01/2036	100,000.00	4.000%	8,734.38	108,734.38	117,468.76
08/01/2036	100,000.00	4.00070	6,734.38	6,734.38	117,400.70
02/01/2037	105,000.00	4.125%	6,734.38	111,734.38	118,468.76
08/01/2037	103,000.00	4.12570	4,568.75	4,568.75	110,400.70
02/01/2038	105,000.00	4.250%	4,568.75	109,568.75	114,137.50
08/01/2038	103,000.00	4.230%	2,337.50	2,337.50	114,137.30
02/01/2039	110,000.00	4.250%	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	114,675.00
		4.230%	2,337.50	112,337.50	114,675.00
Total	\$1,230,000.00	-	\$505,943.98	\$1,735,943.98	-
Yield Statistics					
Bond Year Dollars					\$11,295.17
Average Life					9.183 Years
Average Coupon					4.4792963%
Net Interest Cost (N	IC)				4.2518789%
True Interest Cost (7	ΓIC)				4.2135223%
Bond Yield for Arbi	trage Purposes				4.0407668%
All Inclusive Cost (A	AIC)				4.3645042%
IRS Form 8038					
Net Interest Cost					4.0172621%
Weighted Average N	Maturity				9.109 Years

\$1,520,000 General Obligation Utility Revenue Bonds, Series 2023B Water - Sylvan Bay

Debt Service Schedule

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
11/09/2023		-	-	-	-
08/01/2024	-	-	51,294.69	51,294.69	-
02/01/2025	55,000.00	5.000%	35,240.63	90,240.63	141,535.32
08/01/2025	-	-	33,865.63	33,865.63	-
02/01/2026	75,000.00	5.000%	33,865.63	108,865.63	142,731.26
08/01/2026	-	-	31,990.63	31,990.63	-
02/01/2027	80,000.00	5.000%	31,990.63	111,990.63	143,981.26
08/01/2027	-	-	29,990.63	29,990.63	-
02/01/2028	85,000.00	5.000%	29,990.63	114,990.63	144,981.26
08/01/2028	-	-	27,865.63	27,865.63	-
02/01/2029	90,000.00	5.000%	27,865.63	117,865.63	145,731.26
08/01/2029	-	-	25,615.63	25,615.63	-
02/01/2030	90,000.00	5.000%	25,615.63	115,615.63	141,231.26
08/01/2030	-	-	23,365.63	23,365.63	-
02/01/2031	95,000.00	5.000%	23,365.63	118,365.63	141,731.26
08/01/2031	-	-	20,990.63	20,990.63	-
02/01/2032	100,000.00	5.000%	20,990.63	120,990.63	141,981.26
08/01/2032	-	-	18,490.63	18,490.63	_
02/01/2033	105,000.00	5.000%	18,490.63	123,490.63	141,981.26
08/01/2033	-	-	15,865.63	15,865.63	_
02/01/2034	110,000.00	5.000%	15,865.63	125,865.63	141,731.26
08/01/2034	-	-	13,115.63	13,115.63	_
02/01/2035	120,000.00	4.000%	13,115.63	133,115.63	146,231.26
08/01/2035	-	-	10,715.63	10,715.63	-
02/01/2036	120,000.00	4.000%	10,715.63	130.715.63	141,431.26
08/01/2036	-	-	8,315.63	8,315.63	-
02/01/2037	125,000.00	4.125%	8,315.63	133,315.63	141,631.26
08/01/2037	-	-	5,737.50	5,737.50	
02/01/2038	130,000.00	4.250%	5,737.50	135,737.50	141,475.00
08/01/2038	-	-	2,975.00	2,975.00	-
02/01/2039	140,000.00	4.250%	2,975.00	142,975.00	145,950.00
Total	\$1,520,000.00		\$624,335.44	\$2,144,335.44	143,730.00
Yield Statistics	\$1,320,000.00	-	Ф 024,333.44	\$2,144,333.44	<u> </u>
Bond Year Dollars					\$13,936.22
Average Life					9.169 Years
Average Coupon					4.4799475%
Net Interest Cost (NIC	C)				4.2527001%
True Interest Cost (TI	C)				4.2144560%
Bond Yield for Arbitr	age Purposes				4.0407668%
All Inclusive Cost (Al	(C)				4.3894884%
IRS Form 8038					
Net Interest Cost					4.0182087%
Weighted Average Ma					9.094 Years

\$950,000 General Obligation Utility Revenue Bonds, Series 2023B Sanitary Sewer - Ainsworth

Debt Service Schedule

02/01/2025 35,000.00 5.000% 22,031.25 57 08/01/2025 - - 21,156.25 21 02/01/2026 45,000.00 5.000% 21,156.25 66 08/01/2026 - - - 20,031.25 20 02/01/2027 50,000.00 5.000% 20,031.25 70 08/01/2027 - - 18,781.25 18 02/01/2028 50,000.00 5.000% 18,781.25 68 08/01/2028 - - 17,531.25 17 02/01/2029 55,000.00 5.000% 17,531.25 72 08/01/2029 - - 16,156.25 76 08/01/2030 60,000.00 5.000% 16,156.25 76 08/01/2031 60,000.00 5.000% 14,656.25 74 08/01/2031 - - 13,156.25 78 08/01/2032 - - 11,531.25 11 02/01/2033 65,000.00 5.000% <th>P+I Fiscal Total</th> <th>Total P+I</th> <th>Interest</th> <th>Coupon</th> <th>Principal</th> <th>Date</th>	P+I Fiscal Total	Total P+I	Interest	Coupon	Principal	Date
02/01/2025 35,000.00 5.000% 22,031.25 57 08/01/2025 - - 21,156.25 21 02/01/2026 45,000.00 5.000% 21,156.25 66 08/01/2026 - - - 20,031.25 70 08/01/2027 50,000.00 5.000% 20,031.25 70 08/01/2028 50,000.00 5.000% 18,781.25 68 08/01/2028 - - 17,531.25 17 02/01/2029 55,000.00 5.000% 17,531.25 72 08/01/2030 - - 16,156.25 16 08/01/2030 - - 14,656.25 14 02/01/2031 60,000.00 5.000% 14,656.25 14 02/01/2031 - - 13,156.25 78 08/01/2032 - - 11,531.25 71 08/01/2033 - - 11,531.25 71 08/01/2033 - - 11,531.25 <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>11/09/2023</td>		-	-	-	-	11/09/2023
08/01/2025 - - 21,156.25 21 02/01/2026 45,000.00 5.000% 21,156.25 66 08/01/2026 - - 20,031.25 20 02/01/2027 50,000.00 5.000% 20,031.25 70 08/01/2028 50,000.00 5.000% 18,781.25 68 08/01/2028 - - 17,531.25 17 02/01/2029 55,000.00 5.000% 17,531.25 72 08/01/2039 - - 16,156.25 16 02/01/2030 60,000.00 5.000% 16,156.25 76 08/01/2030 - - 14,656.25 74 08/01/2031 - - 13,156.25 13 02/01/2032 65,000.00 5.000% 13,156.25 78 08/01/2032 - - 11,531.25 11 02/01/2033 65,000.00 5.000% 13,156.25 78 08/01/2034 - - 9,906.25	.71 -	32,067.71	32,067.71	-	-	08/01/2024
02/01/2026 45,000.00 5.000% 21,156.25 66 08/01/2026 - - 20,031.25 20 02/01/2027 50,000.00 5.000% 20,031.25 70 08/01/2028 50,000.00 5.000% 18,781.25 18 08/01/2028 - - 17,531.25 17 02/01/2029 55,000.00 5.000% 17,531.25 72 08/01/2029 - - 16,156.25 16 02/01/2030 60,000.00 5.000% 16,156.25 76 08/01/2031 - - 14,656.25 74 08/01/2031 - - 13,156.25 78 08/01/2032 65,000.00 5.000% 13,156.25 78 08/01/2032 - - 11,531.25 11 02/01/2033 65,000.00 5.000% 13,156.25 78 08/01/2034 - - 11,531.25 76 08/01/2034 - - 8,156.25	.25 89,098.96	57,031.25	22,031.25	5.000%	35,000.00	02/01/2025
08/01/2026 - - 20,031.25 20 02/01/2027 50,000.00 5.000% 20,031.25 70 08/01/2028 - - - 18,781.25 18 02/01/2028 50,000.00 5.000% 18,781.25 68 08/01/2028 - - - 17,531.25 17 02/01/2029 55,000.00 5.000% 17,531.25 72 08/01/2030 60,000.00 5.000% 16,156.25 16 08/01/2030 60,000.00 5.000% 14,656.25 14 02/01/2031 60,000.00 5.000% 14,656.25 74 08/01/2032 65,000.00 5.000% 13,156.25 13 02/01/2032 65,000.00 5.000% 13,156.25 78 08/01/2033 - - - 11,531.25 76 08/01/2033 - - - 11,531.25 76 08/01/2034 - - 9,906.25 79	.25 -	21,156.25	21,156.25	-	-	08/01/2025
02/01/2027 50,000.00 5.000% 20,031.25 70 08/01/2027 - - 18,781.25 18 02/01/2028 50,000.00 5.000% 18,781.25 68 08/01/2028 - - 17,531.25 17 02/01/2029 55,000.00 5.000% 17,531.25 72 08/01/2029 - - 16,156.25 16 08/01/2030 60,000.00 5.000% 16,156.25 76 08/01/2030 - - 14,656.25 14 02/01/2031 60,000.00 5.000% 14,656.25 74 08/01/2031 - - 13,156.25 13 02/01/2032 65,000.00 5.000% 13,156.25 78 08/01/2033 - - - 11,531.25 76 08/01/2033 - - - 9,906.25 79 08/01/2034 - - - 9,906.25 79 08/01/2035 75,000.00	.25 87,312.50	66,156.25	21,156.25	5.000%	45,000.00	02/01/2026
08/01/2027 - - 18,781.25 18 02/01/2028 50,000.00 5.000% 18,781.25 68 08/01/2028 - - 17,531.25 17 02/01/2029 55,000.00 5.000% 17,531.25 72 08/01/2030 60,000.00 5.000% 16,156.25 76 08/01/2030 - - 14,656.25 74 08/01/2031 60,000.00 5.000% 14,656.25 74 08/01/2031 - - 13,156.25 13 02/01/2032 65,000.00 5.000% 13,156.25 78 08/01/2032 - - - 11,531.25 11 02/01/2033 65,000.00 5.000% 11,531.25 76 08/01/2033 - - - 9,906.25 79 02/01/2034 70,000.00 5.000% 9,906.25 79 08/01/2035 - - 6,656.25 83 08/01/2036 75,000.00	.25 -	20,031.25	20,031.25	-	-	08/01/2026
02/01/2028 50,000.00 5.000% 18,781.25 68 08/01/2028 - - 17,531.25 17 02/01/2029 55,000.00 5.000% 17,531.25 72 08/01/2039 - - 16,156.25 16 02/01/2030 60,000.00 5.000% 16,156.25 76 08/01/2031 - - 14,656.25 74 08/01/2031 - - 13,156.25 13 02/01/2032 65,000.00 5.000% 13,156.25 78 08/01/2032 - - 11,531.25 11 02/01/2033 65,000.00 5.000% 11,531.25 76 08/01/2033 - - 9,906.25 79 08/01/2034 70,000.00 5.000% 9,906.25 79 08/01/2034 70,000.00 5.000% 9,906.25 79 08/01/2034 - - 8,156.25 83 08/01/2035 - - 6,656.25	.25 90,062.50	70,031.25	20,031.25	5.000%	50,000.00	02/01/2027
08/01/2028 - - 17,531.25 17 02/01/2029 55,000.00 5.000% 17,531.25 72 08/01/2029 - - 16,156.25 16 02/01/2030 60,000.00 5.000% 16,156.25 76 08/01/2031 60,000.00 5.000% 14,656.25 14 02/01/2031 60,000.00 5.000% 13,156.25 13 02/01/2032 65,000.00 5.000% 13,156.25 78 08/01/2032 - - 11,531.25 11 02/01/2033 65,000.00 5.000% 11,531.25 76 08/01/2033 - - 9,906.25 79 02/01/2034 70,000.00 5.000% 9,906.25 79 08/01/2034 - - 8,156.25 83 08/01/2035 75,000.00 4.000% 8,156.25 83 08/01/2036 75,000.00 4.000% 6,656.25 81 08/01/2037 - - <	.25 -	18,781.25	18,781.25	-	-	08/01/2027
02/01/2029 55,000.00 5.000% 17,531.25 72 08/01/2029 - - 16,156.25 16 02/01/2030 60,000.00 5.000% 16,156.25 76 08/01/2031 - - 14,656.25 14 02/01/2031 60,000.00 5.000% 14,656.25 74 08/01/2032 65,000.00 5.000% 13,156.25 78 08/01/2032 - - 11,531.25 11 02/01/2033 65,000.00 5.000% 11,531.25 76 08/01/2033 - - 9,906.25 79 08/01/2034 70,000.00 5.000% 9,906.25 79 08/01/2034 - - 8,156.25 8 02/01/2035 75,000.00 4.000% 8,156.25 8 08/01/2035 - - 6,656.25 81 08/01/2036 75,000.00 4.000% 6,656.25 81 08/01/2037 80,000.00 4.125%	.25 87,562.50	68,781.25	18,781.25	5.000%	50,000.00	02/01/2028
08/01/2029 - - 16,156.25 16 02/01/2030 60,000.00 5.000% 16,156.25 76 08/01/2030 - - 14,656.25 14 02/01/2031 60,000.00 5.000% 14,656.25 74 08/01/2032 65,000.00 5.000% 13,156.25 78 08/01/2032 - - 11,531.25 11 02/01/2033 65,000.00 5.000% 11,531.25 76 08/01/2033 - - 9,906.25 79 08/01/2034 70,000.00 5.000% 9,906.25 79 08/01/2034 - - 8,156.25 8 02/01/2035 75,000.00 4.000% 8,156.25 8 08/01/2035 - - 6,656.25 81 08/01/2036 75,000.00 4.000% 6,656.25 81 08/01/2037 - - 5,156.25 85 08/01/2037 - - 3,506.25 8	.25 -	17,531.25	17,531.25	-	-	08/01/2028
02/01/2030 60,000.00 5.000% 16,156.25 76 08/01/2030 - - 14,656.25 14 02/01/2031 60,000.00 5.000% 14,656.25 74 08/01/2031 - - 13,156.25 13 02/01/2032 65,000.00 5.000% 13,156.25 78 08/01/2032 - - 11,531.25 11 02/01/2033 65,000.00 5.000% 11,531.25 76 08/01/2033 - - 9,906.25 79 08/01/2034 70,000.00 5.000% 9,906.25 79 08/01/2034 - - 8,156.25 8 02/01/2035 75,000.00 4.000% 8,156.25 8 08/01/2035 - - 6,656.25 6 02/01/2036 75,000.00 4.000% 6,656.25 81 08/01/2037 80,000.00 4.125% 5,156.25 85 08/01/2038 - - 3,506.25	.25 90,062.50	72,531.25	17,531.25	5.000%	55,000.00	02/01/2029
08/01/2030 - - 14,656.25 14 02/01/2031 60,000.00 5.000% 14,656.25 74 08/01/2031 - - - 13,156.25 13 02/01/2032 65,000.00 5.000% 13,156.25 78 08/01/2032 - - 11,531.25 11 02/01/2033 65,000.00 5.000% 11,531.25 76 08/01/2033 - - 9,906.25 9 02/01/2034 70,000.00 5.000% 9,906.25 79 08/01/2034 - - 8,156.25 8 02/01/2035 75,000.00 4.000% 8,156.25 8 08/01/2035 - - 6,656.25 6 02/01/2036 75,000.00 4.000% 6,656.25 81 08/01/2036 - - 5,156.25 85 08/01/2037 - - 3,506.25 83 08/01/2038 80,000.00 4.250% 3,506.25 <td>.25 -</td> <td>16,156.25</td> <td>16,156.25</td> <td>-</td> <td>-</td> <td>08/01/2029</td>	.25 -	16,156.25	16,156.25	-	-	08/01/2029
02/01/2031 60,000.00 5.000% 14,656.25 74 08/01/2031 - - - 13,156.25 13 02/01/2032 65,000.00 5.000% 13,156.25 78 08/01/2032 - - 11,531.25 11 02/01/2033 65,000.00 5.000% 11,531.25 76 08/01/2033 - - 9,906.25 9 02/01/2034 70,000.00 5.000% 9,906.25 79 08/01/2034 - - 8,156.25 8 02/01/2035 75,000.00 4.000% 8,156.25 8 08/01/2035 - - 6,656.25 6 02/01/2036 75,000.00 4.000% 6,656.25 81 08/01/2036 - - 5,156.25 85 02/01/2037 80,000.00 4.125% 5,156.25 85 08/01/2038 - - 3,506.25 83 02/01/2039 85,000.00 4.250% <td< td=""><td>.25 92,312.50</td><td>76,156.25</td><td>16,156.25</td><td>5.000%</td><td>60,000.00</td><td>02/01/2030</td></td<>	.25 92,312.50	76,156.25	16,156.25	5.000%	60,000.00	02/01/2030
08/01/2031 - - 13,156.25 13 02/01/2032 65,000.00 5.000% 13,156.25 78 08/01/2032 - - 11,531.25 11 02/01/2033 65,000.00 5.000% 11,531.25 76 08/01/2033 - - 9,906.25 9 02/01/2034 70,000.00 5.000% 9,906.25 79 08/01/2034 - - 8,156.25 8 02/01/2035 75,000.00 4.000% 8,156.25 8 08/01/2035 - - 6,656.25 6 02/01/2036 75,000.00 4.000% 6,656.25 81 08/01/2036 - - 5,156.25 85 08/01/2037 80,000.00 4.125% 5,156.25 85 08/01/2038 - - 3,506.25 83 08/01/2038 - - 1,806.25 83 02/01/2039 85,000.00 4.250% 1,806.25 86 <td>.25</td> <td>14,656.25</td> <td>14,656.25</td> <td>-</td> <td>-</td> <td>08/01/2030</td>	.25	14,656.25	14,656.25	-	-	08/01/2030
02/01/2032 65,000.00 5.000% 13,156.25 78 08/01/2032 - - 11,531.25 11 02/01/2033 65,000.00 5.000% 11,531.25 76 08/01/2033 - - 9,906.25 9 02/01/2034 70,000.00 5.000% 9,906.25 79 08/01/2034 - - 8,156.25 8 02/01/2035 75,000.00 4.000% 8,156.25 83 08/01/2035 - - 6,656.25 6 02/01/2036 75,000.00 4.000% 6,656.25 81 08/01/2036 - - 5,156.25 5 02/01/2037 80,000.00 4.125% 5,156.25 85 08/01/2037 - - 3,506.25 83 02/01/2038 80,000.00 4.250% 3,506.25 83 08/01/2038 - - 1,806.25 1 02/01/2039 85,000.00 - \$390,473.96 <	.25 89,312.50	74,656.25	14,656.25	5.000%	60,000.00	02/01/2031
08/01/2032 - - 11,531.25 11 02/01/2033 65,000.00 5.000% 11,531.25 76 08/01/2033 - - 9,906.25 9 02/01/2034 70,000.00 5.000% 9,906.25 79 08/01/2034 - - 8,156.25 8 02/01/2035 75,000.00 4.000% 8,156.25 83 08/01/2035 - - 6,656.25 6 02/01/2036 75,000.00 4.000% 6,656.25 81 08/01/2036 - - 5,156.25 5 02/01/2037 80,000.00 4.125% 5,156.25 85 08/01/2037 - - 3,506.25 83 02/01/2038 80,000.00 4.250% 3,506.25 83 08/01/2038 - - 1,806.25 1 02/01/2039 85,000.00 4.250% 1,806.25 86 Total \$950,000.00 - \$390,473.96 \$.25 -	13,156.25	13,156.25	-	-	08/01/2031
02/01/2033 65,000.00 5.000% 11,531.25 76 08/01/2033 - - 9,906.25 9 02/01/2034 70,000.00 5.000% 9,906.25 79 08/01/2034 - - 8,156.25 8 02/01/2035 75,000.00 4.000% 8,156.25 83 08/01/2035 - - 6,656.25 6 02/01/2036 75,000.00 4.000% 6,656.25 81 08/01/2036 - - 5,156.25 5 02/01/2037 80,000.00 4.125% 5,156.25 85 08/01/2037 - - 3,506.25 3 02/01/2038 80,000.00 4.250% 3,506.25 83 08/01/2038 - - 1,806.25 1 02/01/2039 85,000.00 4.250% 1,806.25 86 Total \$950,000.00 - \$390,473.96 \$1,340	.25 91,312.50	78,156.25	13,156.25	5.000%	65,000.00	02/01/2032
08/01/2033 - - 9,906.25 9 02/01/2034 70,000.00 5.000% 9,906.25 79 08/01/2034 - - 8,156.25 8 02/01/2035 75,000.00 4.000% 8,156.25 83 08/01/2035 - - 6,656.25 6 02/01/2036 75,000.00 4.000% 6,656.25 81 08/01/2036 - - 5,156.25 5 02/01/2037 80,000.00 4.125% 5,156.25 85 08/01/2037 - - 3,506.25 3 02/01/2038 80,000.00 4.250% 3,506.25 83 08/01/2038 - - 1,806.25 1 02/01/2039 85,000.00 4.250% 1,806.25 86 Total \$950,000.00 - \$390,473.96 \$1,340	.25	11,531.25	11,531.25	-	-	08/01/2032
02/01/2034 70,000.00 5.000% 9,906.25 79 08/01/2034 - - 8,156.25 8 02/01/2035 75,000.00 4.000% 8,156.25 83 08/01/2035 - - 6,656.25 6 02/01/2036 75,000.00 4.000% 6,656.25 81 08/01/2036 - - - 5,156.25 5 02/01/2037 80,000.00 4.125% 5,156.25 85 08/01/2037 - - 3,506.25 33 02/01/2038 80,000.00 4.250% 3,506.25 83 08/01/2038 - - 1,806.25 1 02/01/2039 85,000.00 4.250% 1,806.25 86 Total \$950,000.00 - \$390,473.96 \$1,340	.25 88,062.50	76,531.25	11,531.25	5.000%	65,000.00	02/01/2033
08/01/2034 - - 8,156.25 88 02/01/2035 75,000.00 4.000% 8,156.25 83 08/01/2035 - - 6,656.25 6 02/01/2036 75,000.00 4.000% 6,656.25 81 08/01/2036 - - 5,156.25 5 02/01/2037 80,000.00 4.125% 5,156.25 85 08/01/2037 - - 3,506.25 3 02/01/2038 80,000.00 4.250% 3,506.25 83 08/01/2038 - - 1,806.25 1 02/01/2039 85,000.00 4.250% 1,806.25 86 Total \$950,000.00 - \$390,473.96 \$1,340	.25	9,906.25	9,906.25	-	-	08/01/2033
02/01/2035 75,000.00 4.000% 8,156.25 83 08/01/2035 - - 6,656.25 6 02/01/2036 75,000.00 4.000% 6,656.25 81 08/01/2036 - - 5,156.25 5 02/01/2037 80,000.00 4.125% 5,156.25 85 08/01/2037 - - 3,506.25 3 02/01/2038 80,000.00 4.250% 3,506.25 83 08/01/2038 - - 1,806.25 1 02/01/2039 85,000.00 4.250% 1,806.25 86 Total \$950,000.00 - \$390,473.96 \$1,340	.25 89,812.50	79,906.25	9,906.25	5.000%	70,000.00	02/01/2034
08/01/2035 - - 6,656.25 6 02/01/2036 75,000.00 4.000% 6,656.25 81 08/01/2036 - - - 5,156.25 5 02/01/2037 80,000.00 4.125% 5,156.25 85 08/01/2037 - - 3,506.25 3 02/01/2038 80,000.00 4.250% 3,506.25 83 08/01/2038 - - 1,806.25 1 02/01/2039 85,000.00 4.250% 1,806.25 86 Total \$950,000.00 - \$390,473.96 \$1,340	.25	8,156.25	8,156.25	-	-	08/01/2034
02/01/2036 75,000.00 4.000% 6,656.25 81 08/01/2036 - - - 5,156.25 5 02/01/2037 80,000.00 4.125% 5,156.25 85 08/01/2037 - - 3,506.25 3 02/01/2038 80,000.00 4.250% 3,506.25 83 08/01/2038 - - 1,806.25 1 02/01/2039 85,000.00 4.250% 1,806.25 86 Total \$950,000.00 - \$390,473.96 \$1,340	.25 91,312.50	83,156.25	8,156.25	4.000%	75,000.00	02/01/2035
08/01/2036 - - 5,156.25 5 02/01/2037 80,000.00 4.125% 5,156.25 85 08/01/2037 - - 3,506.25 3 02/01/2038 80,000.00 4.250% 3,506.25 83 08/01/2038 - - 1,806.25 1 02/01/2039 85,000.00 4.250% 1,806.25 86 Total \$950,000.00 - \$390,473.96 \$1,340	.25	6,656.25	6,656.25	-	-	08/01/2035
02/01/2037 80,000.00 4.125% 5,156.25 85 08/01/2037 - - 3,506.25 3 02/01/2038 80,000.00 4.250% 3,506.25 83 08/01/2038 - - 1,806.25 1 02/01/2039 85,000.00 4.250% 1,806.25 86 Total \$950,000.00 - \$390,473.96 \$1,340	.25 88,312.50	81,656.25	6,656.25	4.000%	75,000.00	02/01/2036
08/01/2037 - - 3,506.25 3 02/01/2038 80,000.00 4.250% 3,506.25 83 08/01/2038 - - 1,806.25 1 02/01/2039 85,000.00 4.250% 1,806.25 86 Total \$950,000.00 - \$390,473.96 \$1,340	.25 -	5,156.25	5,156.25	-	-	08/01/2036
02/01/2038 80,000.00 4.250% 3,506.25 83 08/01/2038 - - 1,806.25 1 02/01/2039 85,000.00 4.250% 1,806.25 86 Total \$950,000.00 - \$390,473.96 \$1,340	.25 90,312.50	85,156.25	5,156.25	4.125%	80,000.00	02/01/2037
08/01/2038 - - 1,806.25 1 02/01/2039 85,000.00 4.250% 1,806.25 86 Total \$950,000.00 - \$390,473.96 \$1,340	.25	3,506.25	3,506.25	-	-	08/01/2037
02/01/2039 85,000.00 4.250% 1,806.25 86 Total \$950,000.00 - \$390,473.96 \$1,340	.25 87,012.50	83,506.25	3,506.25	4.250%	80,000.00	02/01/2038
Total \$950,000.00 - \$390,473.96 \$1,340	.25	1,806.25	1,806.25	-	-	08/01/2038
	.25 88,612.50	86,806.25	1,806.25	4.250%	85,000.00	02/01/2039
Yield Statistics	.96 -	\$1,340,473.96	\$390,473.96	-	\$950,000.00	Total
						Yield Statistic
Bond Year Dollars	\$8,711.39					Bond Year Dollar
Average Life	9.170 Years					Average Life
Average Coupon	4.4823388%					Average Coupon
Net Interest Cost (NIC)	4.2514478%				IC)	Net Interest Cost



True Interest Cost (TIC)

All Inclusive Cost (AIC)

Bond Yield for Arbitrage Purposes

Net Interest Cost	4.0154801%
Weighted Average Maturity	9.096 Years

4.2123469%

4.0407668%

4.3899705%



\$875,000 General Obligation Utility Revenue Bonds, Series 2023B Water - Ainsworth

Debt Service Schedule

30,000.00 - 45,000.00 - 45,000.00 - 50,000.00	5.000% - 5.000% - 5.000%	29,565.97 20,312.50 19,562.50 19,562.50 18,437.50 18,437.50 17,312.50	29,565.97 50,312.50 19,562.50 64,562.50 18,437.50 63,437.50	79,878.47 - 84,125.00 - 81,875.00
45,000.00 - 45,000.00	5.000%	20,312.50 19,562.50 19,562.50 18,437.50 18,437.50	50,312.50 19,562.50 64,562.50 18,437.50	84,125.00
45,000.00 - 45,000.00	5.000%	19,562.50 19,562.50 18,437.50 18,437.50	19,562.50 64,562.50 18,437.50	84,125.00
45,000.00	5.000%	19,562.50 18,437.50 18,437.50	64,562.50 18,437.50	-
45,000.00	5.000%	18,437.50 18,437.50	18,437.50	-
=	-	18,437.50	*	- 81 875 00
=	-	-,	63,437.50	81 875 00
50,000.00	-	17 312 50		01,075.00
50,000.00	5 0000/	17,314.30	17,312.50	-
_	5.000%	17,312.50	67,312.50	84,625.00
-	-	16,062.50	16,062.50	-
50,000.00	5.000%	16,062.50	66,062.50	82,125.00
-	-	14,812.50	14,812.50	-
55,000.00	5.000%	14,812.50	69,812.50	84,625.00
_	-	13,437.50	13,437.50	-
55,000.00	5.000%	13,437.50	68,437.50	81,875.00
-	-	12,062.50	12,062.50	-
60,000.00	5.000%	12,062.50	72,062.50	84,125.00
_	-	10,562.50	10,562.50	-
60,000.00	5.000%	10,562.50	70,562.50	81,125.00
_	-	9,062.50	9,062.50	-
65,000.00	5.000%	9,062.50	74,062.50	83,125.00
-	-	7,437.50	7,437.50	-
65,000.00	4.000%	7,437.50	72,437.50	79,875.00
_	-	6,137.50	6,137.50	-
70,000.00	4.000%	6,137.50	76,137.50	82,275.00
_	-	4,737.50	4,737.50	-
70,000.00	4.125%	4,737.50	74,737.50	79,475.00
-	-	3,293.75	3,293.75	-
75,000.00	4.250%	3,293.75	78,293.75	81,587.50
_	-	1,700.00	1,700.00	-
80,000.00	4.250%	1,700.00	81,700.00	83,400.00
875,000.00				
	55,000.00 60,000.00 60,000.00 65,000.00 70,000.00 70,000.00 75,000.00 - 75,000.00	55,000.00 5.000% 60,000.00 5.000% 60,000.00 5.000% 65,000.00 5.000%	55,000.00 5.000% 14,812.50 - - 13,437.50 55,000.00 5.000% 13,437.50 - - 12,062.50 60,000.00 5.000% 12,062.50 - - 10,562.50 60,000.00 5.000% 10,562.50 - - 9,062.50 - - 7,437.50 65,000.00 4.000% 7,437.50 - - 6,137.50 70,000.00 4.000% 6,137.50 - - 4,737.50 70,000.00 4.125% 4,737.50 - - 3,293.75 75,000.00 4.250% 3,293.75 1,700.00 1,700.00	55,000.00 5.000% 14,812.50 69,812.50 - - 13,437.50 13,437.50 55,000.00 5.000% 13,437.50 68,437.50 - - 12,062.50 12,062.50 60,000.00 5.000% 12,062.50 72,062.50 60,000.00 5.000% 10,562.50 70,562.50 60,000.00 5.000% 9,062.50 74,062.50 65,000.00 5.000% 9,062.50 74,062.50 - - 7,437.50 7,437.50 65,000.00 4.000% 7,437.50 72,437.50 - - 6,137.50 76,137.50 70,000.00 4.000% 6,137.50 76,137.50 70,000.00 4.125% 4,737.50 74,737.50 75,000.00 4.250% 3,293.75 78,293.75 75,000.00 1,700.00 1,700.00



Net Interest Cost (NIC)

True Interest Cost (TIC)

All Inclusive Cost (AIC)

Bond Yield for Arbitrage Purposes

into i di ili dodo	
Net Interest Cost	4.0156226%
Weighted Average Maturity	9 074 Years

4.2526450%

4.2129868%

4.0407668%

4.3634305%



RatingsDirect®

Summary:

Grand Rapids, Minnesota; General Obligation; Non-School State **Programs**

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Credit Highlights

Outlook

Related Research

Summary:

Grand Rapids, Minnesota; General Obligation; Non-School State Programs

Credit Profile			
US\$4.755 mil GO utility rev bnds ser 2023B dtd 10/23/2023 due 02/01/2039			
Long Term Rating	AAA/Stable	New	
Underlying Rating for Credit Program	AA-/Stable	New	
US\$2.25 mil GO st recon bnds ser 2023A dtd 10/23/2023 due 02/01/2039			
Long Term Rating	AA-/Stable	New	
Grand Rapids taxable GO rfdg bnds ser 2021C d	ue 02/01/2029		
Long Term Rating	AA-/Stable	Affirmed	
Grand Rapids GO util rev rfdg bnds ser 2021D dtd 12/09/2021 due 02/01/2033			
Long Term Rating	AA-/Stable	Affirmed	

Credit Highlights

- S&P Global Ratings assigned its 'AA-' long-term rating to Grand Rapids, Minn.'s anticipated \$2.25 million series 2023A general obligation (GO) street reconstruction bonds.
- At the same time, S&P Global Ratings assigned its 'AAA' long-term rating and 'AA-' underlying rating to the city's anticipated \$4.76 million series 2023B GO utility revenue bonds.
- Finally, S&P Global Ratings affirmed its 'AA-' long-term rating on the city's outstanding GO bonds.
- · The outlook is stable.

Security

The city's unlimited-tax GO pledge secures the bonds. Certain of the city's outstanding GO bonds that we rate are also secured by other sources, including tax increment and utility revenue. We rate the city's GO bonds to the GO pledge and the city's general creditworthiness because legal provisions for the additional revenue streams are insufficient to rate to, pursuant to our criteria. The series 2023B bonds' 'AAA' rating reflects the additional security provided by the Minnesota Public Facilities Authority Credit Enhancement Program.

The city will use the series 2023A bond proceeds to fund street repairs and the series 2023B bond proceeds to fund water and sewer utility improvements, including the extension of service to an industrial park slated for prospective future development.

Credit overview

After holding its operating levy flat for fiscal 2023, the city has proposed an 8.5% levy increase for fiscal 2024. This is both to capitalize on extremely strong recent growth in net tax capacity (up 15.7% for levy year 2023/fiscal 2024) and to help maintain budgetary balance as inflationary pressures drive up expenditures. Management anticipates a fifth

consecutive operating surplus in fiscal 2023, supported by expenditure savings via unfilled positions and by revenues slightly outperforming the budget.

For fiscal 2024, management expects a \$400,000 increase in state aid, along with the levy increase, to drive another small operating surplus. Across all governmental funds, the city has seen deficits in recent years. We note that a new sales tax, with collections beginning April 1, 2023 and restricted to civic center capital improvements, will boost that fund in the near term and likely improve total governmental fund results. Management plans to use the sales tax to pay down the \$10 million GO temporary bonds that financed civic center improvements.

The city's public utilities commission (PUC) adopted significant rate increases effective for fiscal 2023 that are intended to ensure sufficient revenue to cover the series 2023B bond debt service as well as to promote structural balance for the PUC's funds. Our debt metrics net out \$14 million in self-supported GO debt paid by utility revenue.

The city is a frequent bond issuer and will likely continue issuing debt for infrastructure and utility repairs and improvements. In 2024, it plans to refinance its temporary GO bonds and issue \$2.3 million in GO bonds paid by utility revenue. Given these plans, we do not anticipate material change in the city's debt burden.

Key rating factors include the city's:

- Adequate economy, with some concentration in manufacturing, benefiting from recently robust property value growth;
- Adequate budgetary performance, with consistent general fund surpluses somewhat offset by consistent deficits across all governmental funds, largely driven by capital spending;
- Very strong available reserves, including general fund balance committed for budget stabilization and available to support operations, and very strong available liquidity;
- Standard financial management assessment (FMA), a change from good because the city's capital plan is not updated annually, and strong institutional framework. FMA highlights include a formal reserve policy requiring that 50% of the following year's property tax levy be held as unassigned general fund balance and a minimum of 10% of the prior year's revenues be held as committed balance in the general fund to protect against economic downturns. The city maintains multi-year financial and capital plans, but neither are annually updated. Management provides quarterly budget-to-actual reports to the board. The city has an investment policy but not a debt policy;
- Adequate debt burden with rapid amortization and additional borrowing plans that, at this time, will be more than offset by maturity of existing debt; and
- Moderate pension obligations. Given the city's 77% and 71% funded ratios and annual contributions falling below
 our minimum funding progress metric, we do not expect current fixed-rate contribution practices to materially
 reduce unfunded liabilities in the near term for the two defined benefit cost-sharing multiple employer plans the city
 participates in. For more information, see "Pension Spotlight: Minnesota," published Aug. 10, 2023, on
 RatingsDirect.

Environmental, social, and governance

Although the city is bisected by the Mississippi River, we do not believe it exposed to elevated flood risk. The local terrain results in little property in low-lying flood-prone areas, while the Blandin Dam helps control water volumes flowing through the city. Overall, we consider the city's environmental, social, and governance risks neutral within our

credit ratings analysis.

Outlook

The stable outlook reflects our expectation that the city will maintain very strong available reserves, supported by its financial policies, that its financial performance will be stable, and that its debt metrics will not materially increase despite regular borrowings, aided by rapid amortization.

Downside scenario

We could lower the rating if debt metrics are materially weakened by unexpected additional debt or if there is a material drawdown of reserves.

Upside scenario

While we believe the rating is somewhat limited by the city's adequate economic metrics and standard FMA, we could raise it if those two areas see material improvement and debt metrics remain steady or improve.

Minnesota Public Facilities Authority Credit Enhancement Program

The long-term rating on the series 2023B bonds reflects our view of the city's eligibility for, and participation in, the Minnesota Public Facilities Authority Credit Enhancement Program for cities and counties, a state standing appropriation program administered by Minnesota Public Facilities Authority to prevent a default on bond issues, as authorized by Minnesota State Statutes, section 446A.086.

Under the program, the state will pay debt service from its general fund if a city fails to meet its debt service obligations for the qualified debt. Payments from the state represent a standing appropriation from Minnesota's general fund. We view this standing appropriation pledge as equivalent to a general fund pledge because it does not require budget adoption or any action of the Minnesota Legislature to make payment. Furthermore, the standing appropriation is not subject to executive unallotment authority. The credit-enhancement program supports projects central to the state's operations and purpose. We see no unusual political, timing, or administrative risk related to debt payment. The rating on obligations that have received program enhancement reflects, and moves in tandem with, the rating on the state of Minnesota. For more on the state's rating, please see our most recent full analysis, published July 24, 2023 on RatingsDirect.

Grand Rapids, MinnesotaKey credit metrics				
	Most recent	Historical information		
		2022	2021	2020
Adequate economy				
Projected per capita EBI % of U.S.	79.3			
Market value per capita (\$)	100,166			
Population		11,299	11,256	11,234
County unemployment rate(%)		4.5		
Market value (\$000)	1,131,775	1,007,739	899,958	849,501
Ten largest taxpayers % of taxable value	17.9			

	Most recent	Historical information		
		2022	2021	2020
Adequate budgetary performance				
Operating fund result % of expenditures		0.2	1.6	5.1
Total governmental fund result % of expenditures		(7.8)	(5.5)	(5.5
Very strong budgetary flexibility				
Available reserves % of operating expenditures		60.8	56.9	56.9
Total available reserves (\$000)		6,182	5,862	5,835
Very strong liquidity				
Total government cash % of governmental fund expenditures		81.8	45.9	51.2
Total government cash % of governmental fund debt service		564.8	322.6	323.5
Adequate management				
Financial Management Assessment	Standard			
Adequate debt & long-term liabilities				
Debt service % of governmental fund expenditures		14.5	14.2	15.8
Net direct debt % of governmental fund revenue	178.3			
Overall net debt % of market value	5.5			
Direct debt 10-year amortization (%)	85.2			
Required pension contribution % of governmental fund expenditures		2.7		
OPEB actual contribution % of governmental fund expenditures		0.0		
Strong institutional framework				

Data points and ratios may reflect analytical adjustments.

Related Research

Through The ESG Lens 3.0: The Intersection Of ESG Credit Factors And U.S. Public Finance Credit Factors, March 2, 2022

Also add links to 214 and 256

Ratings Detail (As Of October 19, 2023)			
Grand Rapids GO bnds			
Long Term Rating	AA-/Stable	Affirmed	
Grand Rapids GO rfdg bnds			
Long Term Rating	AA-/Stable	Affirmed	
Grand Rapids GO street reconstruction bnds ser 2017A dtd 09/07/2017 due 02/01/2033			
Long Term Rating	AA-/Stable	Affirmed	

Certain terms used in this report, particularly certain adjectives used to express our view on rating relevant factors, have specific meanings ascribed to them in our criteria, and should therefore be read in conjunction with such criteria. Please see Ratings Criteria at www.spglobal.com/ratings for further information. Complete ratings information is available to RatingsDirect subscribers at www.capitaliq.com. All ratings affected by this rating action can be found on S&P Global Ratings' public website at www.spglobal.com/ratings.

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