

# **Great Lakes Water Authority**

**Presentation to the Audit Committee Summary of 2020 Financing Results** 

July 22, 2020







### **Executive Summary**

- Successfully refinanced \$366 million of Water System Bonds and issued \$85.6 million of new money water bonds for the Local Water System
  - Water system gross cashflow savings of \$103.1 million (\$66.5 million of present value savings, or 18.2%)
  - New money achieved a very favorable yield of 2.98% for 30-year debt and generating nearly \$100 million for Local System capital improvement
- In addition, successfully refinanced \$657 million of outstanding Sewer System Bonds
  - Sewer system net cashflow savings of \$221 million (\$123 million of present value savings, or 18.7%)
- Rating upgrades were achieved from all three rating agencies continuing the history of rating success since the stand up
  - Senior lien ratings of AA-/A1/A+ for Water and for Sewer
  - Second lien ratings of A+/A2/A for Water and for Sewer
- Extensive outreach to investors, with an electronic roadshow, investor meetings, and one on one investor calls
  - Over 80 investors reached in the outreach process
  - Water System: Nearly 50 different institutional investors placed orders totaling \$614 million for the tax-exempt Series
     2020A&B Bonds and more than 30 different institutional investors placed orders totaling over \$1.0 billion for the taxable Series
     2020C Bonds
  - Sewer System: Nearly 90 different institutional investors placed orders over \$4.3 billion for the \$687.5 million in bonds offered allowing for a significant tightening of spreads
    - Included multiple international investors based in Canada, Britain, Norway and Taiwan and represents the first international investor participation in a GLWA bond sale
- Achieved all necessary bondholder consents on the DSRF springing amendment for the potential future elimination of the Bond Reserve Funds once GLWA attains two AA category ratings (S&P has been achieved)
- Since 2014, the GLWA management team, either through GLWA or the predecessor debt obligor DWSD, has executed five
  refunding transactions (for the water and sewer system combined) that reached the milestone of \$1 billion in debt service
  savings







# Financing Timeline

Date/Week of	Event	
December 23	Kick Off Call	
Week of March 2	Rating Meetings with Moody's, S&P and Fitch in NYC	
March 10	POS and Investor Roadshow Posted	
April 27	<ul><li>Update Calls with Moody's, S&amp;P and Fitch</li><li>Water System POS Supplement Posted</li></ul>	
April 28-29	One-on-One Calls with Investors	
April 30	Water System Pricing	
May 12	Water System Closing	
June 1	<ul><li>Update Calls with Moody's, S&amp;P and Fitch</li><li>Sewer System POS Supplement Posted</li></ul>	
June 2 – June 3	One-on-One Calls with Investors	
June 4	Sewer System Pricing	
June 16	Sewer System Closing	







### Goals Set ... Goals Met



The goals for the Series 2020 financings were achieved and provide the Authority with a strong base with which to weather the current COVID-19 crisis and achieve future financial goals.



Secure Rating Upgrades



Highlight Strong Financial Results and Expand the Investor Base for GLWA credits



Lock-in Favorable Interest Rates and Substantial Savings



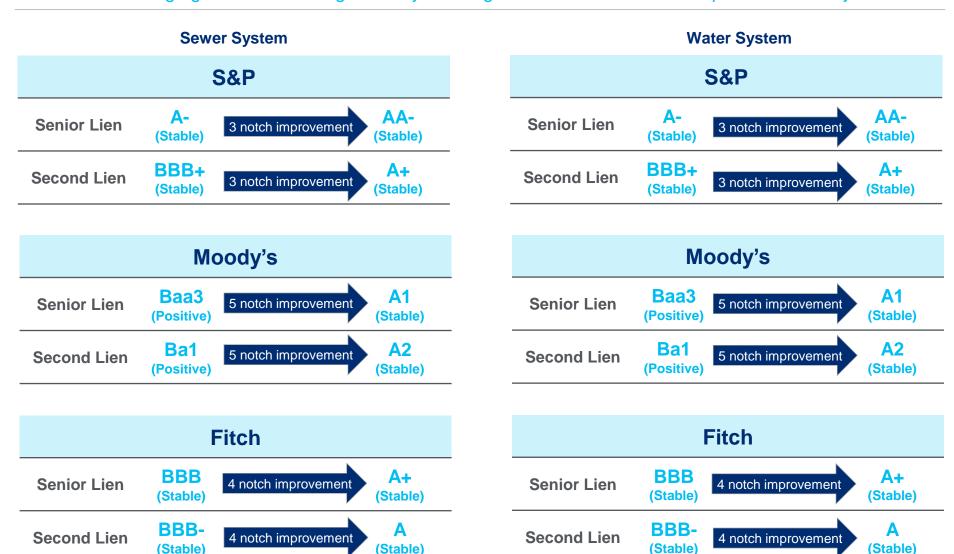
Enhance GLWA's Financial Flexibility





# Bond Rating Upgrades Attained Since GLWA's Stand Up

As part of the financing process, the Great Lakes Water Authority team sought and received rating improvements from all three rating agencies continuing a history of rating success since the stand up of the Authority.









### Comprehensive Marketing Outreach



Although a traditional in person roadshow as not possible in light of the COVID-19 crisis, Citi and Siebert utilized an internet roadshow presentation and one-on-one investor calls to educate investors and explain the transactions.

#### **Marketing Outreach**

- 1. Preliminary Official Statement Posted (March 10<sup>th</sup>)
- 2. Internet Roadshow (March 10<sup>th</sup> June 4<sup>th</sup>)
  - 84 distinct investors viewed the electronic roadshow
- 3. Preliminary Official Statement Supplement Posted (April 27<sup>th</sup> for Water, June 1<sup>st</sup> for Sewer)
  - Provided additional information to potential investors with respect to the impact of COVID-19 on the Authority's operations and financial performance
- 4. One-on-One Calls with Investors (March 10<sup>th</sup> April 30<sup>th</sup> for Water, June 2<sup>nd</sup> June 3<sup>rd</sup> for Sewer)
  - Multiple individual one-on-one calls with key investors to address their questions ahead of pricing

#### **Water System Results**

- Over \$617 million of orders were received for the tax-exempt Series 2020A&B Bonds and \$1.0 billion of orders for the taxable Series 2020C Bonds
- 48 distinct institutional investors placed orders on the Series 2020A&B Bonds and 31 distinct institutional investors placed orders on the taxable Series 2020C Bonds
  - Existing holders added to positions
  - New investors came in to buy the Water System's bonds for the 1st time
  - Variety of account types participated including asset managers, mutual funds, insurance companies, SMAs, and relative value funds

#### **Sewer System Results**

- Over \$4.3 billion of orders were received for the taxable Series 2020A&B Bonds (6.3x oversubscribed)
- Nearly 90 distinct institutional investors placed orders on the Series 2020A&B Bonds
  - Existing holders added to positions
  - New investors came in to buy the Sewer System's bonds for the 1st time
  - Variety of account types participated including asset managers, mutual funds, insurance companies, SMAs, and relative value funds
  - International investors from Canada, Norway, Britain and Taiwan also participated; the first international participation in GLWA's sales







### Summary of Water System Financing Results

The Series 2020 Bonds were sold at an attractive all-in interest rate and produced a significant amount of debt service savings for the Water System while also funding Local System projects.

- Issued \$463 million of total bonds including \$85.6 million of tax-exempt new money bonds for Local System capital improvements and \$377.5 million of taxable refunding bonds to achieve debt service savings
  - Bond yield of 2.98% for the tax-exempt Series 2020A&B Bonds
  - Bond yield of 3.36% for the taxable Series 2020C Bonds
  - Overall cost of funds, including costs of issuance, was an attractive 3.48%
- Issued \$85.6 million of new money water bonds for the Local System, achieving a very favorable interest costs for 30-year debt and generating nearly \$100 million for Local System capital improvement
- \$103 million in debt service savings generated to provide future financial flexibility
  - Savings structured for approximately level annual savings with a slight emphasis for near-term years
- Increased debt service coverage levels on the Water System
- Released \$10.5 million of Bond Reserve Funds to reduce the amount of refunding bonds issued
- Achieved all necessary bondholder consents on the DSRF springing amendment for the potential future elimination of the Water System Bond Reserve Funds once GLWA attains two AA category ratings (S&P achieved)







# Water System 2020 Financing Results and Cash Flow Savings

Through a combination of refunding structure optimization and aggressive pricing, the refunding was able to achieve \$103 million of total debt service savings for the Water System.

	Series 2020A Sr. Lien	Series 2020B 2nd Lien	Series 2020C Sr. Lien	Aggregate Series 2020	Fiscal	Refunding Savings
Sources	Tax-Exempt	Tax-Exempt	Taxable	Issuance	Year Total	(\$000's) 103,080
Par	42,445,000	43,135,000	377,515,000	463,095,000	2020	1,591
Premium	7,554,692	6,851,324	377,313,000	14,406,016	2021	5,229
Debt Service Fund Release	7,004,002	0,001,024	7,954,734	7,954,734	2022	5,225
Debt Service Reserve Fund Release	_	_	10,548,456	10,548,456	2023	5,229
Total Sources	49,999,692	49,986,324	396,018,190	496,004,207	2024	5,034
Uses	,	10,000,00		,,	2025	5,036
Deposit to Escrow Fund	_	_	394,014,099	394,014,099	2026	5,034
Deposit to Escrow Fund Deposit for New Money	49,774,335	49,757,320	-	99,531,655	2027	5,030
Deposit to Debt Service Reserve Fund		-5,707,020	_	-	2028	5,036
Costs of Issuance (inc. UW Disc.)	225,357	229,004	2,004,091	2,458,453	2029	5,032
Total Uses	49,999,692	49,986,324	396,018,190	496,004,207	2030	5,034
	,	, ,		,,	2031	5,034
Call Provisions and Refunding Statistics					2032	5,033
Call Provisions	10 Year Par Call	10 Year Par Call	10 Year Par Call		2033	5,034
Refunded Principal			366,025,000		2034	5,036
Cashflow Savings			103,077,566		2035	4,345
Net PV Savings (@ 3%)			66,489,475		2036	4,349
Net PV Savings % Ref. Par (@ 3%)			18.17%		2037	4,347
200,000			10.17 /0		2038	4,346
200,000					2039	4,345
160,000					2040	4,349
		$\sim$			2041	4,349
<u></u> ω 120,000						
(i) 120,000 80,000			\			
€ 80,000						
40,000						
2020 2025	2030	2035	2040	2045	2050	
Unrefund	ded Sr. DS Refunding S	Sr. DS Unrefunded	d 2nd DS Refunding 2	2nd DS		
	Debt Service — New Money		•			
lote: For purposes of this analysis reserve releases						







## Summary of Sewer System Financing Results

The Sewage System Series 2020 Bonds produced a significant amount of savings for GLWA that brings the total across both Water and Sewage Systems to **over \$1 billion in debt service savings since 2014.** 

- Issued \$687.5 million of total bonds including \$594.9 million of Senior Lien Bonds and \$92.5mm of Second Lien Bonds to achieve \$221 million in debt service savings
  - Present Value Savings was \$122.9 million (or 18.7% of the refunded par amount)
  - Overall cost of funds, including costs of issuance, was an attractive 3.04%
    - In addition to targeting a good market to issue debt in, GLWA also utilized insurance from Assured Guaranty on a portion of the Second Lien Bonds to further lower the cost of funds
- The \$221 million in savings were structured to significantly reduce the prior aggregate Maximum Annual Debt Service of the Sewage System from \$223.7 million to \$206.5 million
  - In addition to the annual debt service smoothing, the structure also generated \$24 million in cash flow savings over the next three years
  - Increased debt service coverage levels on the Sewage System
- Released \$33.6 million from the Bond Reserve Funds to reduce the amount of refunding bonds issued and increase future cash flow savings
- Achieved all necessary bondholder consents on the DSRF springing amendment for the potential future elimination of the Sewage System Bond Reserve Funds once GLWA attains two AA category ratings (S&P achieved)







# Sewer System 2020 Financing Results and Cash Flow Savings

Through a combination of refunding structure optimization and aggressive pricing, the refunding was able to achieve \$221 million of total debt service savings for the Sewage System.

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		Series 2020A Sr. Lien	Series 2020A 2nd Lien	Aggr Series	egate s 2020	
		Taxable	Taxable	Issu	uance	
Sources						
Par		594,930,000	92,525,000	687,45	55,000	
Debt Service Fund Release Debt Service Reserve Fund Release		14,641,931	2,169,625	16,81	11,556	
		8,454,576	25,142,779	33,59	97,356	
Total Sources		618,026,507	119,837,404	737,86	53,912	
Uses						
Deposit to Escrow	Fund	615,473,376	118,896,293	734,36	69,669	
Insurance Premium		-	537,493	53	37,493	
Costs of Issuance (incl. UW Discount)		t) 2,553,132	403,618	2,95	56,750	
Total Uses		618,026,507	119,837,404	737,86	53,912	
Refunding Statist						
Refunded Principal	l	570,460,000	86,785,000	657,24	45,000	
Cash Flow Savings		161,792,310	59,247,445	221,03	39,756	
Net PV Savings (@	,	103,976,431	18,904,434		30,865	
Net PV Savings %	of Ref. Par (@ 3%	18.23%	21.78%	1	18.70%	
250,000						
200,000			Annı	ew Maximu ual Debt Se	rvice	
150,000				Sewage Sys 3206.5mm f		
100,000				\$223.7mm		
50,000						
2020	2025	2030 2035	2040	2045	2050	
Unrefunded Sr Refunding 2nd		Refunding Sr. DS Existing Debt Service	Unre	efunded 2nd	IDS	

Debt Service Savings					
Fiscal	Sr. Lien	2nd Lien	Aggregate		
Year	Savings	Savings	Savings		
Total	161,792,310	59,247,445	221,039,756		
2021	5,551,321	2,527,137	8,078,458		
2022	5,549,641	2,599,621	8,149,262		
2023	5,545,431	2,599,621	8,145,052		
2024	3,822,857	2,599,621	6,422,478		
2025	10,223	2,599,621	2,609,844		
2026	12,216,504	2,599,621	14,816,126		
2027	11,469,967	2,599,621	14,069,588		
2028	7,786,783	2,599,621	10,386,405		
2029	14,102	2,599,621	2,613,723		
2030	14,594,830	2,599,621	17,194,452		
2031	14,507,536	2,599,621	17,107,157		
2032	446,556	2,599,621	3,046,177		
2033	3,329,506	2,599,621	5,929,127		
2034	3,111,294	8,504,621	11,615,915		
2035	3,059,870	8,512,593	11,572,462		
2036	2,993,203	8,507,640	11,500,843		
2037	8,471,808	-	8,471,808		
2038	8,471,988	-	8,471,988		
2039	8,473,782	-	8,473,782		
2040	8,475,103	-	8,475,103		
2041	8,469,982	-	8,469,982		
2042	8,469,278	-	8,469,278		
2043	8,475,368	-	8,475,368		
2044	8,475,377	-	8,475,377		
Note: For numoses of this analysis reserve releases are treated as an					

Note: For purposes of this analysis reserve releases are treated as an upfront adjustment (reduction) to PV savings







# History of Debt Service Savings Achieved Since 2014

Through the leadership of the Authority's management team, the financing team has been able to achieve **over \$1 billion of debt service savings** for the Systems since the tender and refunding transaction in 2014.

