## ISD 709 - Duluth Public Schools, MN

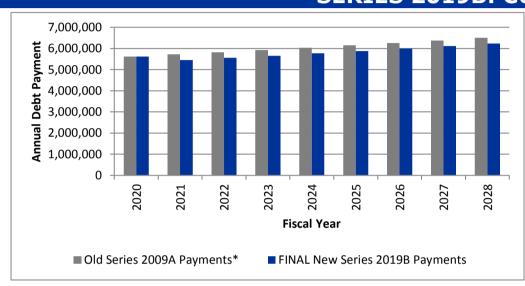
Date prepared: April 23, 2019



## **ASSUMPTIONS**

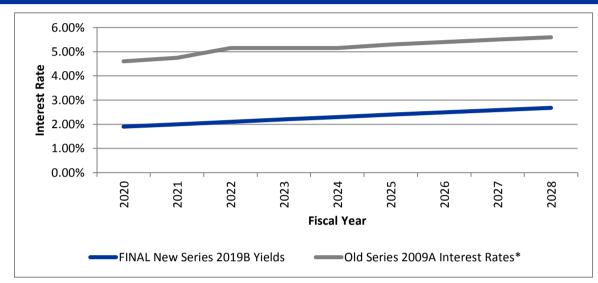
- (1) Series 2019B certificates will current refund the Taxable Full Term Certificates of Participation, Series 2009A; Dated Date of May 29, 2019
- (2) Series 2009A 2020-2028 maturities were callable on February 1, 2019 and will be current refunded with the 2019B Certificates on May 29, 2019
- (3) Below illustration is FINAL and reflects April 17, 2019 pricing results based on Moody's Ba1 Underlying Rating and Aa2 MN School Credit Enhancement rating

## **SERIES 2019B: CURRENT REFUNDING OF 2009A FULL TERM COPS**



How do we achieve the savings shown on the left?

By exchanging old interest rates with new interest rates shown to the right.



Fiscal	Old Series 2009A	FINAL New Series	Gross Savings
Year	Payments*	2019B Payments	(net of all costs)
2020	5,618,416	5,617,088	1,328
2021	5,719,205	5,450,000	269,205
2022	5,823,765	5,556,250	267,515
2023	5,923,618	5,658,250	265,368
2024	6,034,649	5,765,500	269,149
2025	6,146,167	5,882,000	264,167
2026	6,257,487	5,991,500	265,987
2027	6,374,365	6,108,500	265,865
2028	6,500,659	6,231,750	268,909
Totals	54,398,331	52,260,838	2,137,494

<sup>\*</sup> Payments are net of assumed 32.83% BABs subsidy

	Refunding Par		Costs of Issuance	<b>Net Amount</b>	<b>Interest Cost</b>		<b>Total Interest</b>				
	Date	Amount	Premium	/ Rounding	Refunded**	Savings	Rounding	Cost Savings^	<b>NPV Savings</b>	Final Maturity	TIC %***
	2/28/19	42,100,000	4,769,582.56	274,838.28	46,594,744	1,616,497.87	138.28	1,616,636.15	1,429,449.65	2028	2.71%
	3/12/19	42,100,000	4,769,582.56	274,838.28	46,594,744	1,616,497.87	138.28	1,616,636.15	1,429,449.65	2028	2.71%
	4/16/19	42,020,000	4,630,013.95	280,015.10	46,369,999	1,747,242.31	3,215.10	1,750,457.41	1,531,881.52	2028	2.72%
FINAL	4/17/19	41,715,000	4,927,474.35	272,475.50	46,369,999	2,137,493.70	244.57	2,137,738.27	1,886,006.48	2028	2.56%

<sup>\*\*</sup> Closing date of refunding certificates and 2009A Certificate Refunding date now align on May 29, 2019 as of the last two scenarios shown above.

^ Final interest cost savings per million of borrowing is \$51,246.27

**Old Series FINAL New** 2009A Series 2019B **Interest Maturity Yields** Rates\* 2020 1.90% 4.60% 2021 2.00% 4.75% 2022 2.10% 5.15% 2023 2.20% 5.15% 2024 2.30% 5.15% 2025 2.40% 5.30% 2026 2.49% 5.40% 2027 2.58% 5.50% 5.60% 2028 2.68% \* Rates are prior to BABs subsidy

<sup>\*\*\*</sup> True Interest Cost % of the 2009A Certificates was approximately 5.09%