



Finance Committee Meeting
910 N Gary Ave
Carol Stream, Illinois
Room 120

July 8, 2019
6:00 pm

Topics:

1. Discussion: Bond Financing
2. Other items that may normally be addressed by the Finance Committee

Carol Stream Park District, Illinois
Hypothetical Issuance of General Obligation Limited Refunding Park Bonds, Series 2019A and Taxable Limited Refunding Park Bonds, Series 2019B, Series 2019C

May 1 Bond Year	Existing Debt Service (1)	GO Limited Park Refunding Bonds, Series 2019A (2)			Taxable GO Limited Park Refunding Bonds, Series 2019B (2)			Hypothetical Aggregate Debt Service	Estimated Debt Service Extension Base (6)	Estimated Remaining DSEB (6)
		Principal (5/1)	Assumed Coupon (5/1 & 11/1)	Interest (5/1 & 11/1)	Total Debt Service	Principal (11/1)	Assumed Coupon (5/1 & 11/1)			
2020	\$322,598	\$80,000	4.000%	\$26,100	\$106,100	\$118,274	\$118,274	\$320,985	\$381,578	-
2021	\$323,723	\$80,000	4.000%	\$31,600	\$111,600	\$157,699	\$157,699	\$376,065	\$381,578	\$5,523
2022	\$324,143	\$80,000	4.000%	\$28,400	\$108,400	\$157,699	\$157,699	\$389,695	\$381,578	-\$8,117
2023	\$323,564	\$80,000	4.000%	\$25,200	\$115,200	\$157,699	\$157,699	\$377,965	\$381,578	\$3,613
2024	\$322,107	\$80,000	4.000%	\$21,600	\$111,600	\$157,699	\$157,699	\$375,855	\$381,578	\$5,723
2025	\$320,192	\$100,000	4.000%	\$18,000	\$118,000	\$157,699	\$157,699	\$378,615	\$381,578	\$2,963
2026	\$322,388	\$100,000	4.000%	\$14,000	\$114,000	\$157,699	\$157,699	\$380,575	\$381,578	\$1,003
2027	\$318,490	\$75,000	4.000%	\$10,000	\$85,000	\$157,699	\$157,699	\$381,164	\$381,578	\$414
2028	\$265,336	\$85,000	4.000%	\$7,000	\$92,000	\$157,699	\$157,699	\$376,920	\$381,578	\$4,658
2029	\$283,547	\$90,000	4.000%	\$3,600	\$93,600	\$157,699	\$157,699	\$377,952	\$381,578	\$3,626
2030	\$306,375					\$157,699	\$157,699	\$377,267	\$381,578	\$4,311
2031						\$157,699	\$157,699	\$377,699	\$381,578	\$3,680
2032						\$149,999	\$149,999	\$379,999	\$381,578	\$1,580
2033						\$141,719	\$141,719	\$376,719	\$381,578	\$4,860
2034						\$245,000	\$245,000	\$378,141	\$381,578	\$3,437
2035						\$255,000	\$255,000	\$379,076	\$381,578	\$3,502
2036						\$265,000	\$265,000	\$379,335	\$381,578	\$2,243
2037						\$275,000	\$275,000	\$379,335	\$381,578	\$2,499
2038						\$285,000	\$285,000	\$379,080	\$381,578	\$3,279
2039						\$295,000	\$295,000	\$378,300	\$381,578	\$4,593
2040						\$310,000	\$310,000	\$376,985	\$381,578	\$1,452
2041						\$320,000	\$320,000	\$380,126	\$381,578	\$4,069
2042						\$335,000	\$335,000	\$377,509	\$381,578	\$4,069
2043						\$350,000	\$350,000	\$379,325	\$381,578	\$2,253
2044						\$365,000	\$365,000	\$380,356	\$381,578	\$1,223
	\$3,432,462					\$3,985,000	\$3,013,491	\$9,416,278		\$993

Potential Sources and Uses of Funds

Par Amount	\$870,000
Reoffering Premium	\$89,353
Total Sources	\$939,353

Potential Sources and Uses of Funds

Par Amount	\$870,000
Reoffering Premium	\$89,353
Total Sources	\$939,353
Deposit to Escrow Fund	\$911,313
Deposit to Project Fund	\$0
Assumed Costs of Issuance (4)	\$26,100
Rounding Amount	\$1,941
Total Uses of Funds	\$939,353

Potential True Interest Cost (6)	2.666%
Potential Present Value Savings (7)	\$4,360
Potential % Present Value Savings (7)	6.25%

Potential Sources and Uses of Funds

Par Amount	\$3,985,000
Reoffering Premium	\$0
Total Sources	\$3,985,000

Potential Sources and Uses of Funds

Deposit to Escrow Fund	\$799,065
Deposit to Project Fund	\$3,086,385
Assumed Costs of Issuance (4)	\$119,550
Rounding Amount	\$0
Total Uses of Funds	\$3,985,000

Potential True Interest Cost (6)	4.108%
Potential Present Value Cost of Borrowing (7)	\$44,893
Potential % Present Value Cost of Borrowing (7)	-1.13%

(1) Existing debt service includes the District's outstanding Series 2008B, 2008F, 2010A and 2010B Bonds.
(2) Assumed the restructuring of a portion of certain maturities of the Series 2008B, 2008F, 2010A, and 2010B Bonds.
(3) This illustration represents a mathematical calculation of potential interest cost, assuming hypothetical rates for a general obligation limited tax bond rated "A2" with "AA" rated insurance as of July 20, 2019. Actual rates may vary. If actual rates are higher than those assumed, the interest cost would be higher. This illustration provides information and is not intended to be a recommendation, proposal or suggestion for a financing or otherwise be considered as advice. Preliminary, subject to change.
(4) Assumed costs of issuance of 3.0% of the par amount of the bonds. Preliminary, subject to change.
(5) True Interest Cost is the rate of interest, compounded semi-annually, required to discount the payments of principal and interest to bondholders to the original purchase price.
(6) Current debt service extension base of \$381,578 in bond year 2020 and no growth thereafter.
(7) Calculated using the all-inclusive TICs of 2.965% and 4.226% as the discount rates for the 2019A and 2019B Bonds, respectively.

Carol Stream Park District, Illinois Hypothetical Issuance of Taxable Refunding Park Bonds, Series 2019C

May 1 Bond Year	Hypothetical Taxable Park Refunding Bonds, Series 2019C ⁽³⁾				Total Debt Service	Hypothetical Aggregate Debt Service	Estimated Difference in Debt Service
	Existing Debt Service ⁽¹⁾	Less Refunded Debt Service ⁽²⁾	Principal ^{(1)(A)}	Assumed Coupon Yield ⁽¹⁾			
2020	\$4,627,730	(\$15,750)	\$196,444	3.800%	\$196,444	\$180,694	\$180,694
2021	\$5,076,885	(\$231,500)	\$261,925	3.850%	\$261,925	\$30,425	\$30,425
2022	\$5,079,555	(\$211,500)	\$261,925	3.850%	\$261,925	\$50,425	\$50,425
2023	\$5,961,101	(\$211,500)	\$261,925	3.850%	\$261,925	\$50,425	\$50,425
2024	\$6,061,194	(\$211,500)	\$261,925	3.850%	\$261,925	\$50,425	\$50,425
2025	\$6,424,679	(\$211,500)	\$261,925	3.850%	\$261,925	\$50,425	\$50,425
2026	\$6,643,126	(\$211,500)	\$261,925	3.850%	\$261,925	\$50,425	\$50,425
2027	\$6,845,728	(\$211,500)	\$261,925	3.850%	\$261,925	\$50,425	\$50,425
2028	\$7,161,224	(\$391,500)	\$261,925	3.850%	\$261,925	\$50,425	\$50,425
2029	\$7,501,084	(\$731,906)	\$261,925	3.850%	\$261,925	\$50,425	\$50,425
2030	\$7,831,663	(\$1,064,250)	\$261,925	3.850%	\$261,925	\$50,425	\$50,425
2031	\$8,182,538	(\$1,411,500)	\$261,925	3.850%	\$261,925	\$50,425	\$50,425
2032	\$9,579,538	(\$2,808,500)	\$261,925	3.800%	\$261,925	\$50,425	\$50,425
2033	\$5,575,988		\$1,250,000	3.800%	\$238,175	\$50,425	\$50,425
2034	\$6,057,188		\$750,000	3.850%	\$199,988	\$50,425	\$50,425
2035	\$6,255,094		\$600,000	3.900%	\$173,850	\$50,425	\$50,425
2036	\$6,325,000		\$500,000	3.950%	\$152,275	\$50,425	\$50,425
2037	\$3,453,750		\$3,560,000	4.000%	\$71,200	\$50,425	\$50,425
	<u>\$114,643,062</u>	<u>(\$7,923,906)</u>	<u>\$6,660,000</u>		<u>\$4,175,031</u>	<u>\$117,554,187</u>	<u>\$2,911,125</u>

Potential Sources and Uses of Funds	
Potential Sources of Funds	
Par Amount	\$6,660,000
Total Sources	\$6,660,000
Potential Uses of Funds	
Deposit to Escrow Fund	\$6,455,380
Assumed Costs of Issuance ⁽⁴⁾	\$199,800
Rounding Amount	\$4,820
Total Uses of Funds	\$6,660,000
Potential True Interest Cost⁽⁵⁾	4.069%
Potential Present Value Cost of Borrowing⁽⁶⁾	\$1,134,531
Potential % Present Value Cost of Borrowing⁽⁶⁾	-17.03%

(1) Existing debt service includes the District's outstanding Series 2008B, 2008D 2008F, 2010A, 2010B, 2010E, 2011A, 2011B and 2016 Bonds.
(2) Assumed the restructuring of a portion of certain maturities of the Series 2011A and 2016.
actual rates are higher than those assumed, the interest cost would be higher. This illustration provides information and is not intended to be a recommendation, proposal or suggestion for a financing or otherwise be considered as advice. Preliminary, subject to change.
(3) Assumed costs of issuance of 3.0% of the par amount of the bonds. Preliminary, subject to change.
(4) True Interest Cost is the rate of interest, compounded semi-annually, required to discount the payments of principal and interest to bondholders to the original purchase price.
(5) Calculated using the all-inclusive TIC of 4.226% as the discount rate.

Existing Debt vs. Hypothetical New Debt

