

Winnetka Village Council
VIRTUAL STUDY SESSION MEETING

Zoom
September 8, 2020
7:00 PM

AGENDA

In accordance with social distancing requirements and Governor Pritzker’s Executive Orders 2020-43 and 2020-44, and Section 7(e) of the Illinois Open Meetings Act, the Winnetka Village Council meeting on Tuesday, September 8, 2020 will be held virtually. The meeting will be livestreamed via the Zoom platform. At least one representative from the Village will be present at Village Hall in compliance with Section 7(e) of the Illinois Open Meetings Act, and the virtual meeting will be simulcast at Village Hall for members of the public who do not wish to view the virtual meeting from another location. Pursuant to Executive Orders 2020-43 and 2020-44 issued by the Governor, the number of people who may gather at Village Hall for the meeting is limited due to the mandated social distancing guidelines. Accordingly, the opportunity to view the virtual meeting at Village Hall is available on a “first come, first-served” basis.

The public has two options for observing and participating in this virtual Village Council meeting including the ability to provide oral comments during the meeting. To facilitate an efficient meeting, public comments submitted in advance are encouraged.

- 1) Telephone (audio only Call 312-626-6799), when prompted enter the Meeting ID – 96600043448 (Please note there is no additional password or attendee ID required)
- 2) Livestream (both audio and video feed) Download the Zoom meetings app to your smartphone, tablet or computer and then join Meeting ID:96600043448. Event Password: VC09082020

Public comments should be emailed to contactcouncil@winnetka.org. Public comments received by 6:45 p.m. on Tuesday, September 8, 2020 will be read at the appropriate time during the meeting. General comments for matters not on the agenda will be read at the beginning of the meeting under the Public Comment agenda item. Comments specific to a particular agenda item will be read during the discussion of that agenda item. The Village will attempt to have comments received after the meeting has started read at the end of the meeting. Public comment is limited to 200 words or less. Public comments should contain the following information:

- In the subject line – “Village Council Meeting Public Comment”
- Name
- Address (optional)
- Phone (optional)
- Organization or agency representing, if applicable
- General comment or comment on topic of specific agenda item number

All emails received will be acknowledged either during or after the meeting, depending on when they are received. If you do not have access to email, you may leave a message with your public comment at the Village Manager’s office at 847-716-3541 or mail to Village Clerk, Village of Winnetka, 510 Green Bay Road, Winnetka, IL 60093.

**Winnetka Village Council
VIRTUAL STUDY SESSION**

Zoom
September 8, 2020
7:00 PM

AGENDA

- 1) Call to Order
- 2) Public Comment
- 3) 2013 / 2014 G.O. Bond Refunding Opportunities Discussion.....2
- 4) Adjournment

NOTICE

All agenda materials are available at villageofwinnetka.org (Governance > *Agendas & Minutes*); the Reference Desk at the Winnetka Library; or in the Manager’s Office at Village Hall (2nd floor). Webcasts of the meeting may be viewed on the Internet via a link on the Village’s web site:

<https://www.villageofwinnetka.org/AgendaCenter>.

The Village of Winnetka, in compliance with the Americans with Disabilities Act, requests that all persons with disabilities who require certain accommodations to allow them to observe and/or participate in this meeting or have questions about the accessibility of the meeting or facilities, contact the Village ADA Coordinator at 510 Green Bay Road, Winnetka, Illinois 60093, 847-716-3546; T.D.D. 847-501-6041.



Agenda Item Executive Summary

Title:

Presenter:

Agenda Date:

Ordinance

Resolution

Bid Authorization/Award

Policy Direction

Informational Only

Consent:

YES

NO

Item History:

Executive Summary:

Recommendation:

Attachments:

MEMORANDUM

TO: ROBERT BAHAN, VILLAGE MANAGER
FROM: TIMOTHY J. SLOTH, FINANCE DIRECTOR
DATE: SEPTEMBER 2, 2020
SUBJECT: 2013/2014 G.O. BOND REFUNDING OPPORTUNITIES

In 2013 / 2014 the Village issued two series of tax-exempt stormwater municipal bonds totaling \$16.5 million. These bonds were issued as part of a broader strategy that anticipated funding up to \$40 million in stormwater projects. When the tunnel project was abandoned and the Village pursued new strategies for addressing flooding, the Village did not issue any subsequent debt. The Village continues to pay the debt service as scheduled on the outstanding bonds.

Below is a summary of the two outstanding bond issuances:

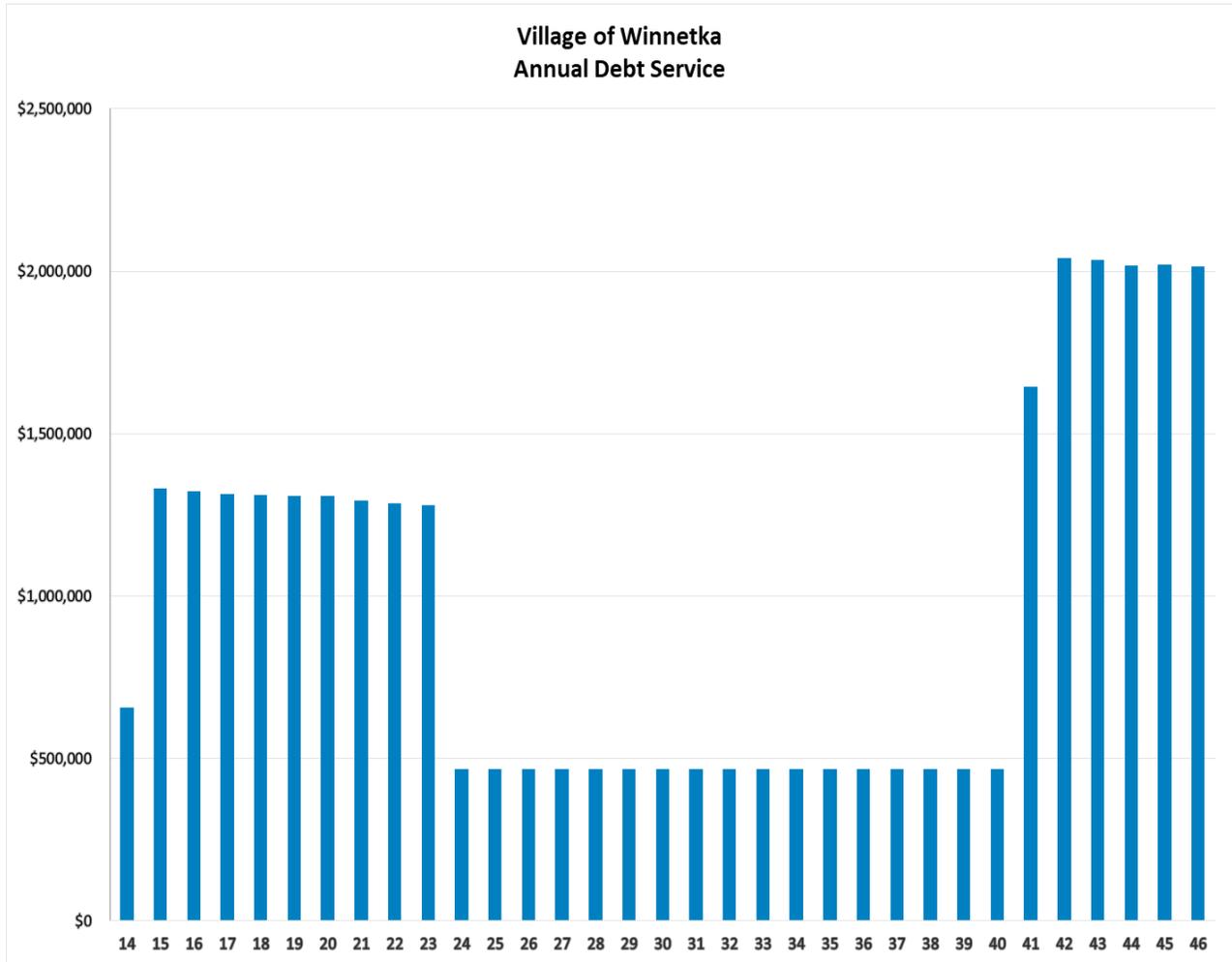
Village of Winnetka

Outstanding Stormwater Bonds

Bond Series	Interest Rate	Amount Issued	Amount Paid	Outstanding Principal	Interest Paid to Date
G.O. Bonds, Series 2013	2.0% - 4.375%	9,000,000	3,440,000	5,560,000	2,001,120
G.O. Bonds, Series 2014	4% - 5.0%	<u>7,500,000</u>	<u>720,000</u>	<u>6,780,000</u>	<u>2,394,610</u>
		\$16,500,000	\$ 4,160,000	\$12,340,000	\$ 4,395,730

The bonds shown above were issued at a time when interest rates were rising, and the strategy was to issue the bonds and lock-in the long-term portion of the debt at a lower interest rate. Additionally, the bonds were issued with a portion of the total principal to be paid within 7 years of issuance. By having principal and interest payments immediately due, the Village was able to establish a set level of debt service that could be planned and budgeted for on an annual basis.

By issuing these bonds the Village was able to lock-in the long-term interest rate, the short-term interest rate and set an affordable annual debt service amount. The chart below graphically represents the Village’s annual debt service obligations for the current stormwater bonds:



If you look at the chart above, which resembles a barbell in shape, the annual debt service peaks both in the short-term and the long term. The thought at the time was that as the stormwater project advances, and the need for additional funding is necessary for the middle portion of the debt service, it could be filled in as the Village issued more debt to finance the estimated \$24 million in remaining projects. For 2020, the Village is scheduled to pay \$1,313,350 in debt service. This increases to over \$2 million beginning in 2042.

Stormwater Utility Fund

The stormwater fee currently generates approximately \$2 million annually which covers the current debt service of \$1.3 million and \$600,000 in operations and maintenance expenses. As of December 31, 2019, the audited cash balance in the Stormwater fund is \$16,070,060.

Analysis

Recently, rates on municipal debt have decreased substantially and doing an advanced refunding (re-financing) at this time could save the Village a significant amount of money. The remainder of this memo provides an analysis of the potential refunding opportunities available to the Village.

The Village has worked with Speer Financial to identify and analyze various options for an advance refunding of our current bonds. If the Village decides to proceed with a bond refunding now some available options are outlined below. Note that all numbers are estimates that reflect the current market, and all savings noted are net of fees/making costs.

Option #1 – Taxable G.O. Refunding Bonds 10 Years – Level Debt Service
Average Coupon 1.47%
Net Present Value Benefit (Savings): \$5,207,328

The first option identified as shown in Attachment A is to issue ten-year taxable bonds that would be fully paid off on December 15, 2030. With this option future debt service would be level at approximately \$1.43 million a year for the next ten years. The average coupon (interest rate) would be 1.47% and net present value savings would total \$5,207,328.

The advantages of option #1 are:

- Provides the greatest amount of savings.
- Debt service for the next ten years would be level and locked in at a low interest rate.
- Similar annual debt service requirements compared to what the Village is currently paying.

The primary disadvantage to option #1 is that this issuance would consume a large portion of the Village's existing stormwater utility revenue to fund the new annual debt service for the next ten years. The \$1.4 million annual debt service exceeds the current amount the Village is paying and would decrease the amount allocated to fund current operations. Future debt requirements beyond this issuance that adds additional annual debt service over the next ten years would likely necessitate immediate additional revenue requirements such as an increase to the stormwater utility fee for residents.

<p>Option #2 – Taxable G.O. Refunding Bonds 20 Years – Level Debt Service Average Coupon 2.14% Net Present Value Benefit (Savings): \$3,869,762</p>
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The second option identified as shown in Attachment B is to issue twenty-year taxable bonds that would be fully paid off on December 15, 2040. With this option future debt service would be level at approximately \$780,000 a year for the next twenty years. The average coupon (interest rate) would be 2.14% and net present value savings would total \$3,869,762.

The advantages of option #2 are:

- Provides a significant amount of savings.
- Debt service for the next twenty years would be level and locked in at a low interest rate.
- Reduced annual debt service requirements from \$1,308,350 million a year (currently) to \$780,000 saving \$528,350 a year.
- Reserves additional annual debt service capacity for future bond issuances under existing stormwater utility rates.

Option #2 provides the Village with substantial savings and greater flexibility than option #1.

<p>Option #3 – Taxable G.O. Refunding Bonds 26 Years – Bar-Bell Structure Average Coupon 2.84% Net Present Value Benefit (Savings): \$2,434,994</p>
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The third option identified as shown in Attachment C is to issue taxable bonds that replicate the existing debt payment schedule of the bonds being replaced, which would also be fully paid off on December 15, 2046. This option provides an apples to apples type comparison with the currently issued bonds. With this option the Village continues the bar-bell approach, and for the first couple years annual debt service totals about \$1.14 million a year, then drops down to approximately \$330,000 thousand a year for the next 17 years and then peaks at almost \$2 million annually over the final 6 years. The average coupon (interest rate) would be 2.84% and net present value savings would total \$2,434,994.

The advantages of option #3 are:

- Provides a significant amount of savings.
- Locks in the long-term debt payable in 26 years at 3% or less.
- Reduced annual debt service requirements compared to what we are currently paying.
- Provides substantial annual debt service capacity for future debt issuances.

While option #3 provides the Village with a great deal of debt service flexibility for the short and medium term, the Village would be leaving a substantial amount of savings on the table compared to either options #1 or #2.

The chart below summarizes the three options for refunding:

**Village of Winnetka
Bond Issuance Options Summary**

Description	Average Rate	NET PV Savings	Total Interest Paid	Annual Debt Service
Option #1 - 10 Year G.O. Level Debt	1.47%	\$ 5,207,328	\$ 1,083,819	\$ 1,430,000
Option #2 - 20 Year G.O. Level Debt	2.14%	\$ 3,869,762	\$ 2,992,721	\$ 780,000
Option #3 - 26 Year G.O. Bar-Bell	2.84%	\$ 2,434,994	\$ 7,101,352	Varies*

* Annual debt service varies from \$323,420 to \$1,961,425.

Option #4 – Wait until 2021

The bonds issued in 2013/2014 were tax-exempt general obligation municipal bonds. Investors in tax-exempt municipal bonds are not required to pay Federal income tax on any interest earned. Since investors are not required to pay Federal income tax on their earnings these bonds are typically issued at a lower interest rate compared to taxable general obligation bonds.

The bond covenants stipulate that the earliest date the Village could issue tax-exempt bonds to refund the current bonds is December 15th of 2021. According to Kevin McCanna of Speer Financial, the Village’s financial advisor, waiting until December of 2021 makes sense if interest rates go up by less than .75% between now and December 2021. If rates are expected to increase by more than .75% it makes sense to consider the options presented for doing an advanced refunding by utilizing taxable bonds.

It should be noted that there are a limited number of hedging schemes wherein the Village could issue tax-exempt bonds now that are delivered at a later date to be in compliance with the bond covenants. This type of hedging involves additional fees (60 basis points), which would impact any potential savings and is more common with larger sized corporate bonds. These types of strategies are rarely used to success in the municipal bond market. Mr. McCanna is scheduled to attend our Study Session next Tuesday and is prepared to discuss all the scenarios outlined in this memo and answer any questions the Council may have.

Mechanics of the Sale / Timeline

There are essentially two types of sales, negotiated and competitive.

A negotiated sale consists of selecting one purchaser and working with that firm to market the debt. This is recommended for difficult issuances, poor credit ratings and uncertain markets.

A competitive sale is an open bidding process whereby bids are taken at a specified time. This is the most transparent process and is recommended by the Government Finance Officers Association as a best practice where the issuer has a good credit rating, the issue is a simple transaction such as a general obligation bond and the market is fairly stable.

The process for issuing debt via a competitive sale is as follows and can generally be accomplished in 6 to 10 weeks. Most tasks listed below will overlap in timing.

Early Period

- Presentation of financing options by Speer Financial.
- Initial Council discussion and policy direction.
- Preparation of the Official Statement for the bond sale. Prepared by Speer Financial.

Middle Period

- Selection of Village Bond Counsel, which has historically been Chapman and Cutler. Village bond counsel will begin preparation of the bond ordinance.
- Council action on selection of financing plans (ex. payment schedule / timing).
- Rating agency review.

Late Period

- At a future Council date, bids for the bonds will be taken, the Council will act on the bids and the bond ordinance will be passed.
- Bond Counsel will generate, and Village staff will complete a large number of documents that comprise the showings for the bond issue, being the basis of Chapman's legal opinion.
- Approximately 15 days later, the bonds will close and be delivered in exchange for the sale proceeds.

When the bonds close, the sale proceeds will be deposited into an escrow account at a bank chosen by the underwriter and is invested in US treasuries. At this point the existing bonds will no longer be a Village obligation, it is now the obligation of the escrow. The funds will be held in the escrow fund until the call date of the bonds on December 15, 2021.

Once a clear policy direction has been established and should the Village move forward with a bond refunding it would be in the best interests of the Village to use a competitive sale given the current market and the Village's Aaa rating.

Fees / Costs of Issuance

The total estimated costs of issuance for each option are \$188,520 with a breakdown of the estimated fees listed below:

- Underwriting - \$98,520
- Legal fees / bond counsel - \$50,000
- Financial advisor – \$25,000
- Rating agency – \$15,000

If the Village utilizes a competitive sale approach the amount of charged fees, particularly the underwriting fee, becomes less relevant as the Village will select the winning bidder based on total net present value savings (inclusive of fees). The fees are reasonable, and the Village should not feel pressure to add additional debt at this time to achieve economies of scale in terms of cost of issuance.

Recommendation

Staff is recommending proceeding with option #2 - 20-year taxable refunding. By going with a 20-year horizon the Village would be locking in longer term debt at a historically competitive average interest rate of 2.14%. This will provide significant present value savings estimated at close to \$3.9 million. Additionally, the Village will also see an immediate debt service savings of \$528,350 per year. With the reduced annual debt service, the Stormwater fund will have increased flexibility for planning and will be well-positioned to take on additional debt without immediately increasing stormwater fees as future needs arise.

Attachments

Attachment A: Option #1 - Speer Financial Taxable G.O. Ref. Bonds, Series 2020
Prelim. Analysis – 10 Year

Attachment B: Option #2 - Speer Financial Taxable G.O. Ref. Bonds, Series 2020
Prelim. Analysis – 20 Year

Attachment C: Option #3 - Speer Financial Taxable G.O. Ref. Bonds, Series 2020
Prelim. Analysis – 26 Year

Attachment D: Existing Bonds - Speer Financial G.O. Bonds, Series 2013/2014 Debt
Service Schedule

Attachment A

Option #1

Village of Winnetka, Cook County, Illinois

Taxable General Obligation Refunding Bonds, Series 2020

Advance Refunding of Series 2013 and 2014

Preliminary, 10 Years, As of September 2, 2020

Sources & Uses

Dated 12/01/2020 | Delivered 12/01/2020

Sources Of Funds

Par Amount of Bonds	\$12,315,000.00
Transfers from Prior Issue Debt Service Funds	265,075.00

Total Sources **\$12,580,075.00**

Uses Of Funds

Total Underwriter's Discount (0.800%)	98,520.00
Costs of Issuance	90,000.00
Deposit to Net Cash Escrow Fund	12,385,292.98
Rounding Amount	6,262.02

Total Uses **\$12,580,075.00**

Village of Winnetka, Cook County, Illinois

Taxable General Obligation Refunding Bonds, Series 2020

Advance Refunding of Series 2013 and 2014

Preliminary, 10 Years, As of September 2, 2020

Debt Service Schedule

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
12/01/2020	-	-	-	-	-
06/15/2021	-	-	90,517.16	90,517.16	-
12/15/2021	355,000.00	1.000%	83,985.00	438,985.00	529,502.16
06/15/2022	-	-	82,210.00	82,210.00	-
12/15/2022	1,265,000.00	1.050%	82,210.00	1,347,210.00	1,429,420.00
06/15/2023	-	-	75,568.75	75,568.75	-
12/15/2023	1,280,000.00	1.100%	75,568.75	1,355,568.75	1,431,137.50
06/15/2024	-	-	68,528.75	68,528.75	-
12/15/2024	1,290,000.00	1.150%	68,528.75	1,358,528.75	1,427,057.50
06/15/2025	-	-	61,111.25	61,111.25	-
12/15/2025	1,305,000.00	1.250%	61,111.25	1,366,111.25	1,427,222.50
06/15/2026	-	-	52,955.00	52,955.00	-
12/15/2026	1,325,000.00	1.350%	52,955.00	1,377,955.00	1,430,910.00
06/15/2027	-	-	44,011.25	44,011.25	-
12/15/2027	1,345,000.00	1.450%	44,011.25	1,389,011.25	1,433,022.50
06/15/2028	-	-	34,260.00	34,260.00	-
12/15/2028	1,360,000.00	1.550%	34,260.00	1,394,260.00	1,428,520.00
06/15/2029	-	-	23,720.00	23,720.00	-
12/15/2029	1,385,000.00	1.650%	23,720.00	1,408,720.00	1,432,440.00
06/15/2030	-	-	12,293.75	12,293.75	-
12/15/2030	1,405,000.00	1.750%	12,293.75	1,417,293.75	1,429,587.50
Total	\$12,315,000.00	-	\$1,083,819.66	\$13,398,819.66	-

Yield Statistics

Bond Year Dollars	\$73,648.92
Average Life	5.980 Years
Average Coupon	1.4716030%
Net Interest Cost (NIC)	1.6053728%
True Interest Cost (TIC)	1.6096101%
Bond Yield for Arbitrage Purposes	-
All Inclusive Cost (AIC)	1.7404682%

IRS Form 8038

Net Interest Cost	1.4716030%
Weighted Average Maturity	5.980 Years

Village of Winnetka, Cook County, Illinois

Taxable General Obligation Refunding Bonds, Series 2020

Advance Refunding of Series 2013 and 2014

Preliminary, 10 Years, As of September 2, 2020

Debt Service Comparison

Date	Total P+I	Existing D/S	Net New D/S	Old Net D/S	Savings
12/15/2020	-	749,100.00	749,100.00	749,100.00	-
12/15/2021	529,502.16	764,400.00	1,293,902.16	1,294,550.00	647.84
12/15/2022	1,429,420.00	-	1,429,420.00	1,285,150.00	(144,270.00)
12/15/2023	1,431,137.50	-	1,431,137.50	1,279,950.00	(151,187.50)
12/15/2024	1,427,057.50	-	1,427,057.50	468,750.00	(958,307.50)
12/15/2025	1,427,222.50	-	1,427,222.50	468,750.00	(958,472.50)
12/15/2026	1,430,910.00	-	1,430,910.00	468,750.00	(962,160.00)
12/15/2027	1,433,022.50	-	1,433,022.50	468,750.00	(964,272.50)
12/15/2028	1,428,520.00	-	1,428,520.00	468,750.00	(959,770.00)
12/15/2029	1,432,440.00	-	1,432,440.00	468,750.00	(963,690.00)
12/15/2030	1,429,587.50	-	1,429,587.50	468,750.00	(960,837.50)
12/15/2031	-	-	-	468,750.00	468,750.00
12/15/2032	-	-	-	468,750.00	468,750.00
12/15/2033	-	-	-	468,750.00	468,750.00
12/15/2034	-	-	-	468,750.00	468,750.00
12/15/2035	-	-	-	468,750.00	468,750.00
12/15/2036	-	-	-	468,750.00	468,750.00
12/15/2037	-	-	-	468,750.00	468,750.00
12/15/2038	-	-	-	468,750.00	468,750.00
12/15/2039	-	-	-	468,750.00	468,750.00
12/15/2040	-	-	-	468,750.00	468,750.00
12/15/2041	-	-	-	1,643,750.00	1,643,750.00
12/15/2042	-	-	-	2,040,000.00	2,040,000.00
12/15/2043	-	-	-	2,033,500.00	2,033,500.00
12/15/2044	-	-	-	2,018,250.00	2,018,250.00
12/15/2045	-	-	-	2,020,593.76	2,020,593.76
12/15/2046	-	-	-	2,014,437.50	2,014,437.50
Total	\$13,398,819.66	\$1,513,500.00	\$14,912,319.66	\$24,348,031.26	\$9,435,711.60

PV Analysis Summary (Net to Net)

Gross PV Debt Service Savings	5,466,141.09
Net PV Cashflow Savings @ 1.740%(AIC)	5,466,141.09
Transfers from Prior Issue Debt Service Fund	(265,075.00)
Contingency or Rounding Amount	6,262.02
Net Present Value Benefit	\$5,207,328.11
Net PV Benefit / \$11,605,000 Refunded Principal	44.871%
Net PV Benefit / \$12,315,000 Refunding Principal	42.284%

Refunding Bond Information

Refunding Dated Date	12/01/2020
Refunding Delivery Date	12/01/2020

Series 2020 Ref 2013&2014 | Issue Summary | 9/ 2/2020 | 4:18 PM

Attachment B

Option #2

Village of Winnetka, Cook County, Illinois

Taxable General Obligation Refunding Bonds, Series 2020

Advance Refunding of Series 2013 and 2014

Preliminary, 20 Years, As of September 2, 2020

Sources & Uses

Dated 12/01/2020 | Delivered 12/01/2020

Sources Of Funds

Par Amount of Bonds	\$12,315,000.00
Transfers from Prior Issue Debt Service Funds	265,075.00
Total Sources	\$12,580,075.00

Uses Of Funds

Total Underwriter's Discount (0.800%)	98,520.00
Costs of Issuance	90,000.00
Deposit to Net Cash Escrow Fund	12,385,292.98
Rounding Amount	6,262.02
Total Uses	\$12,580,075.00

Village of Winnetka, Cook County, Illinois

Taxable General Obligation Refunding Bonds, Series 2020

Advance Refunding of Series 2013 and 2014

Preliminary, 20 Years, As of September 2, 2020

Debt Service Schedule

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
12/01/2020	-	-	-	-	-
06/15/2021	-	-	124,635.57	124,635.57	-
12/15/2021	285,000.00	1.000%	115,641.25	400,641.25	525,276.82
06/15/2022	-	-	114,216.25	114,216.25	-
12/15/2022	550,000.00	1.050%	114,216.25	664,216.25	778,432.50
06/15/2023	-	-	111,328.75	111,328.75	-
12/15/2023	555,000.00	1.100%	111,328.75	666,328.75	777,657.50
06/15/2024	-	-	108,276.25	108,276.25	-
12/15/2024	560,000.00	1.150%	108,276.25	668,276.25	776,552.50
06/15/2025	-	-	105,056.25	105,056.25	-
12/15/2025	570,000.00	1.250%	105,056.25	675,056.25	780,112.50
06/15/2026	-	-	101,493.75	101,493.75	-
12/15/2026	575,000.00	1.350%	101,493.75	676,493.75	777,987.50
06/15/2027	-	-	97,612.50	97,612.50	-
12/15/2027	580,000.00	1.450%	97,612.50	677,612.50	775,225.00
06/15/2028	-	-	93,407.50	93,407.50	-
12/15/2028	590,000.00	1.550%	93,407.50	683,407.50	776,815.00
06/15/2029	-	-	88,835.00	88,835.00	-
12/15/2029	600,000.00	1.650%	88,835.00	688,835.00	777,670.00
06/15/2030	-	-	83,885.00	83,885.00	-
12/15/2030	610,000.00	1.750%	83,885.00	693,885.00	777,770.00
06/15/2031	-	-	78,547.50	78,547.50	-
12/15/2031	620,000.00	1.850%	78,547.50	698,547.50	777,095.00
06/15/2032	-	-	72,812.50	72,812.50	-
12/15/2032	635,000.00	1.950%	72,812.50	707,812.50	780,625.00
06/15/2033	-	-	66,621.25	66,621.25	-
12/15/2033	645,000.00	2.050%	66,621.25	711,621.25	778,242.50
06/15/2034	-	-	60,010.00	60,010.00	-
12/15/2034	655,000.00	2.150%	60,010.00	715,010.00	775,020.00
06/15/2035	-	-	52,968.75	52,968.75	-
12/15/2035	675,000.00	2.250%	52,968.75	727,968.75	780,937.50
06/15/2036	-	-	45,375.00	45,375.00	-
12/15/2036	685,000.00	2.350%	45,375.00	730,375.00	775,750.00
06/15/2037	-	-	37,326.25	37,326.25	-
12/15/2037	705,000.00	2.450%	37,326.25	742,326.25	779,652.50
06/15/2038	-	-	28,690.00	28,690.00	-
12/15/2038	720,000.00	2.500%	28,690.00	748,690.00	777,380.00
06/15/2039	-	-	19,690.00	19,690.00	-
12/15/2039	740,000.00	2.600%	19,690.00	759,690.00	779,380.00
06/15/2040	-	-	10,070.00	10,070.00	-
12/15/2040	760,000.00	2.650%	10,070.00	770,070.00	780,140.00
Total	\$12,315,000.00	-	\$2,992,721.82	\$15,307,721.82	-

Yield Statistics

Bond Year Dollars	\$139,633.92
Average Life	11.339 Years
Average Coupon	2.1432628%
Net Interest Cost (NIC)	2.2138187%
True Interest Cost (TIC)	2.2035706%
Bond Yield for Arbitrage Purposes	-
All Inclusive Cost (AIC)	2.2789054%

IRS Form 8038

Net Interest Cost	2.1432628%
Weighted Average Maturity	11.339 Years

Series 2020 Ref 2013&2014 | Issue Summary | 9/ 2/2020 | 4:17 PM

Village of Winnetka, Cook County, Illinois

Taxable General Obligation Refunding Bonds, Series 2020

Advance Refunding of Series 2013 and 2014

Preliminary, 20 Years, As of September 2, 2020

Debt Service Comparison

Date	Total P+I	Existing D/S	Net New D/S	Old Net D/S	Savings
12/15/2020	-	749,100.00	749,100.00	749,100.00	-
12/15/2021	525,276.82	764,400.00	1,289,676.82	1,294,550.00	4,873.18
12/15/2022	778,432.50	-	778,432.50	1,285,150.00	506,717.50
12/15/2023	777,657.50	-	777,657.50	1,279,950.00	502,292.50
12/15/2024	776,552.50	-	776,552.50	468,750.00	(307,802.50)
12/15/2025	780,112.50	-	780,112.50	468,750.00	(311,362.50)
12/15/2026	777,987.50	-	777,987.50	468,750.00	(309,237.50)
12/15/2027	775,225.00	-	775,225.00	468,750.00	(306,475.00)
12/15/2028	776,815.00	-	776,815.00	468,750.00	(308,065.00)
12/15/2029	777,670.00	-	777,670.00	468,750.00	(308,920.00)
12/15/2030	777,770.00	-	777,770.00	468,750.00	(309,020.00)
12/15/2031	777,095.00	-	777,095.00	468,750.00	(308,345.00)
12/15/2032	780,625.00	-	780,625.00	468,750.00	(311,875.00)
12/15/2033	778,242.50	-	778,242.50	468,750.00	(309,492.50)
12/15/2034	775,020.00	-	775,020.00	468,750.00	(306,270.00)
12/15/2035	780,937.50	-	780,937.50	468,750.00	(312,187.50)
12/15/2036	775,750.00	-	775,750.00	468,750.00	(307,000.00)
12/15/2037	779,652.50	-	779,652.50	468,750.00	(310,902.50)
12/15/2038	777,380.00	-	777,380.00	468,750.00	(308,630.00)
12/15/2039	779,380.00	-	779,380.00	468,750.00	(310,630.00)
12/15/2040	780,140.00	-	780,140.00	468,750.00	(311,390.00)
12/15/2041	-	-	-	1,643,750.00	1,643,750.00
12/15/2042	-	-	-	2,040,000.00	2,040,000.00
12/15/2043	-	-	-	2,033,500.00	2,033,500.00
12/15/2044	-	-	-	2,018,250.00	2,018,250.00
12/15/2045	-	-	-	2,020,593.76	2,020,593.76
12/15/2046	-	-	-	2,014,437.50	2,014,437.50
Total	\$15,307,721.82	\$1,513,500.00	\$16,821,221.82	\$24,348,031.26	\$7,526,809.44

PV Analysis Summary (Net to Net)

Gross PV Debt Service Savings	4,128,575.18
Net PV Cashflow Savings @ 2.279%(AIC)	4,128,575.18
Transfers from Prior Issue Debt Service Fund	(265,075.00)
Contingency or Rounding Amount	6,262.02
Net Present Value Benefit	\$3,869,762.20
Net PV Benefit / \$11,605,000 Refunded Principal	33.346%
Net PV Benefit / \$12,315,000 Refunding Principal	31.423%

Refunding Bond Information

Refunding Dated Date	12/01/2020
Refunding Delivery Date	12/01/2020

Series 2020 Ref 2013&2014 | Issue Summary | 9/ 2/2020 | 4:17 PM

Attachment C

Option #3

Village of Winnetka, Cook County, Illinois

Taxable General Obligation Refunding Bonds, Series 2020

Advance Refunding of Series 2013 and 2014

Preliminary, As of September 2, 2020

Sources & Uses

Dated 12/01/2020 | Delivered 12/01/2020

Sources Of Funds

Par Amount of Bonds	\$12,315,000.00
Transfers from Prior Issue Debt Service Funds	265,075.00
Total Sources	\$12,580,075.00

Uses Of Funds

Total Underwriter's Discount (0.800%)	98,520.00
Costs of Issuance	90,000.00
Deposit to Net Cash Escrow Fund	12,385,292.98
Rounding Amount	6,262.02
Total Uses	\$12,580,075.00

Village of Winnetka, Cook County, Illinois

Taxable General Obligation Refunding Bonds, Series 2020

Advance Refunding of Series 2013 and 2014

Preliminary, As of September 2, 2020

Debt Service Schedule

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
12/01/2020	-	-	-	-	-
06/15/2021	-	-	172,107.64	172,107.64	-
12/15/2021	55,000.00	1.000%	159,687.50	214,687.50	386,795.14
06/15/2022	-	-	159,412.50	159,412.50	-
12/15/2022	830,000.00	1.050%	159,412.50	989,412.50	1,148,825.00
06/15/2023	-	-	155,055.00	155,055.00	-
12/15/2023	830,000.00	1.100%	155,055.00	985,055.00	1,140,110.00
06/15/2024	-	-	150,490.00	150,490.00	-
12/15/2024	30,000.00	1.150%	150,490.00	180,490.00	330,980.00
06/15/2025	-	-	150,317.50	150,317.50	-
12/15/2025	30,000.00	1.250%	150,317.50	180,317.50	330,635.00
06/15/2026	-	-	150,130.00	150,130.00	-
12/15/2026	30,000.00	1.350%	150,130.00	180,130.00	330,260.00
06/15/2027	-	-	149,927.50	149,927.50	-
12/15/2027	30,000.00	1.450%	149,927.50	179,927.50	329,855.00
06/15/2028	-	-	149,710.00	149,710.00	-
12/15/2028	30,000.00	1.550%	149,710.00	179,710.00	329,420.00
06/15/2029	-	-	149,477.50	149,477.50	-
12/15/2029	30,000.00	1.650%	149,477.50	179,477.50	328,955.00
06/15/2030	-	-	149,230.00	149,230.00	-
12/15/2030	30,000.00	1.750%	149,230.00	179,230.00	328,460.00
06/15/2031	-	-	148,967.50	148,967.50	-
12/15/2031	30,000.00	1.850%	148,967.50	178,967.50	327,935.00
06/15/2032	-	-	148,690.00	148,690.00	-
12/15/2032	30,000.00	1.950%	148,690.00	178,690.00	327,380.00
06/15/2033	-	-	148,397.50	148,397.50	-
12/15/2033	30,000.00	2.050%	148,397.50	178,397.50	326,795.00
06/15/2034	-	-	148,090.00	148,090.00	-
12/15/2034	30,000.00	2.150%	148,090.00	178,090.00	326,180.00
06/15/2035	-	-	147,767.50	147,767.50	-
12/15/2035	30,000.00	2.250%	147,767.50	177,767.50	325,535.00
06/15/2036	-	-	147,430.00	147,430.00	-
12/15/2036	30,000.00	2.350%	147,430.00	177,430.00	324,860.00
06/15/2037	-	-	147,077.50	147,077.50	-
12/15/2037	30,000.00	2.450%	147,077.50	177,077.50	324,155.00
06/15/2038	-	-	146,710.00	146,710.00	-
12/15/2038	30,000.00	2.500%	146,710.00	176,710.00	323,420.00
06/15/2039	-	-	146,335.00	146,335.00	-
12/15/2039	35,000.00	2.600%	146,335.00	181,335.00	327,670.00
06/15/2040	-	-	145,880.00	145,880.00	-
12/15/2040	35,000.00	2.650%	145,880.00	180,880.00	326,760.00
06/15/2041	-	-	145,416.25	145,416.25	-
12/15/2041	1,215,000.00	2.750%	145,416.25	1,360,416.25	1,505,832.50
06/15/2042	-	-	128,710.00	128,710.00	-
12/15/2042	1,645,000.00	2.800%	128,710.00	1,773,710.00	1,902,420.00
06/15/2043	-	-	105,680.00	105,680.00	-
12/15/2043	1,680,000.00	2.850%	105,680.00	1,785,680.00	1,891,360.00
06/15/2044	-	-	81,740.00	81,740.00	-
12/15/2044	1,795,000.00	2.900%	81,740.00	1,876,740.00	1,958,480.00
06/15/2045	-	-	55,712.50	55,712.50	-
12/15/2045	1,850,000.00	2.950%	55,712.50	1,905,712.50	1,961,425.00
06/15/2046	-	-	28,425.00	28,425.00	-
12/15/2046	1,895,000.00	3.000%	28,425.00	1,923,425.00	1,951,850.00
Total	\$12,315,000.00	-	\$7,101,352.64	\$19,416,352.64	-

Yield Statistics

Bond Year Dollars	\$249,943.92
Average Life	20.296 Years
Average Coupon	2.8411784%
Net Interest Cost (NIC)	2.8805953%
True Interest Cost (TIC)	2.8807952%
Bond Yield for Arbitrage Purposes	-
All Inclusive Cost (AIC)	2.9306457%

IRS Form 8038

Net Interest Cost	2.8411784%
Weighted Average Maturity	20.296 Years

Series 2020 Ref 2013&2014 | Issue Summary | 9/ 2/2020 | 4:17 PM

Village of Winnetka, Cook County, Illinois

Taxable General Obligation Refunding Bonds, Series 2020

Advance Refunding of Series 2013 and 2014

Preliminary, As of September 2, 2020

Debt Service Comparison

Date	Total P+I	Existing D/S	Net New D/S	Old Net D/S	Savings
12/15/2020	-	749,100.00	749,100.00	749,100.00	-
12/15/2021	386,795.14	764,400.00	1,151,195.14	1,294,550.00	143,354.86
12/15/2022	1,148,825.00	-	1,148,825.00	1,285,150.00	136,325.00
12/15/2023	1,140,110.00	-	1,140,110.00	1,279,950.00	139,840.00
12/15/2024	330,980.00	-	330,980.00	468,750.00	137,770.00
12/15/2025	330,635.00	-	330,635.00	468,750.00	138,115.00
12/15/2026	330,260.00	-	330,260.00	468,750.00	138,490.00
12/15/2027	329,855.00	-	329,855.00	468,750.00	138,895.00
12/15/2028	329,420.00	-	329,420.00	468,750.00	139,330.00
12/15/2029	328,955.00	-	328,955.00	468,750.00	139,795.00
12/15/2030	328,460.00	-	328,460.00	468,750.00	140,290.00
12/15/2031	327,935.00	-	327,935.00	468,750.00	140,815.00
12/15/2032	327,380.00	-	327,380.00	468,750.00	141,370.00
12/15/2033	326,795.00	-	326,795.00	468,750.00	141,955.00
12/15/2034	326,180.00	-	326,180.00	468,750.00	142,570.00
12/15/2035	325,535.00	-	325,535.00	468,750.00	143,215.00
12/15/2036	324,860.00	-	324,860.00	468,750.00	143,890.00
12/15/2037	324,155.00	-	324,155.00	468,750.00	144,595.00
12/15/2038	323,420.00	-	323,420.00	468,750.00	145,330.00
12/15/2039	322,670.00	-	322,670.00	468,750.00	146,080.00
12/15/2040	326,760.00	-	326,760.00	468,750.00	141,990.00
12/15/2041	1,505,832.50	-	1,505,832.50	1,643,750.00	137,917.50
12/15/2042	1,902,420.00	-	1,902,420.00	2,040,000.00	137,580.00
12/15/2043	1,891,360.00	-	1,891,360.00	2,033,500.00	142,140.00
12/15/2044	1,958,480.00	-	1,958,480.00	2,018,250.00	59,770.00
12/15/2045	1,961,425.00	-	1,961,425.00	2,020,593.76	59,168.76
12/15/2046	1,951,850.00	-	1,951,850.00	2,014,437.50	62,587.50
Total	\$19,416,352.64	\$1,513,500.00	\$20,929,852.64	\$24,348,031.26	\$3,418,178.62

PV Analysis Summary (Net to Net)

Gross PV Debt Service Savings	2,693,807.22
Net PV Cashflow Savings @ 2.931%(AIC)	2,693,807.22
Transfers from Prior Issue Debt Service Fund	(265,075.00)
Contingency or Rounding Amount	6,262.02
Net Present Value Benefit	\$2,434,994.24
Net PV Benefit / \$11,605,000 Refunded Principal	20.982%
Net PV Benefit / \$12,315,000 Refunding Principal	19.773%

Refunding Bond Information

Refunding Dated Date	12/01/2020
Refunding Delivery Date	12/01/2020

Attachment D

Existing Bonds

Village of Winnetka, Cook County, Illinois

General Obligation Bonds, Series 2013 and 2014

FINAL

Debt Service Schedule

Part 1 of 2

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
11/20/2013	-	-	-	-	-
06/15/2014	-	-	329,155.70	329,155.70	-
12/15/2014	-	-	328,575.00	328,575.00	657,730.70
06/15/2015	-	-	328,575.00	328,575.00	-
12/15/2015	675,000.00	2.000%	328,575.00	1,003,575.00	1,332,150.00
06/15/2016	-	-	321,825.00	321,825.00	-
12/15/2016	680,000.00	2.000%	321,825.00	1,001,825.00	1,323,650.00
06/15/2017	-	-	315,025.00	315,025.00	-
12/15/2017	685,000.00	2.000%	315,025.00	1,000,025.00	1,315,050.00
06/15/2018	-	-	308,175.00	308,175.00	-
12/15/2018	695,000.00	2.000%	308,175.00	1,003,175.00	1,311,350.00
06/15/2019	-	-	301,225.00	301,225.00	-
12/15/2019	705,000.00	2.000%	301,225.00	1,006,225.00	1,307,450.00
06/15/2020	-	-	294,175.00	294,175.00	-
12/15/2020	720,000.00	4.000%	294,175.00	1,014,175.00	1,308,350.00
06/15/2021	-	-	279,775.00	279,775.00	-
12/15/2021	735,000.00	4.000%	279,775.00	1,014,775.00	1,294,550.00
06/15/2022	-	-	265,075.00	265,075.00	-
12/15/2022	755,000.00	4.000%	265,075.00	1,020,075.00	1,285,150.00
06/15/2023	-	-	249,975.00	249,975.00	-
12/15/2023	780,000.00	4.000%	249,975.00	1,029,975.00	1,279,950.00
06/15/2024	-	-	234,375.00	234,375.00	-
12/15/2024	-	-	234,375.00	234,375.00	468,750.00
06/15/2025	-	-	234,375.00	234,375.00	-
12/15/2025	-	-	234,375.00	234,375.00	468,750.00
06/15/2026	-	-	234,375.00	234,375.00	-
12/15/2026	-	-	234,375.00	234,375.00	468,750.00
06/15/2027	-	-	234,375.00	234,375.00	-
12/15/2027	-	-	234,375.00	234,375.00	468,750.00
06/15/2028	-	-	234,375.00	234,375.00	-
12/15/2028	-	-	234,375.00	234,375.00	468,750.00
06/15/2029	-	-	234,375.00	234,375.00	-
12/15/2029	-	-	234,375.00	234,375.00	468,750.00
06/15/2030	-	-	234,375.00	234,375.00	-
12/15/2030	-	-	234,375.00	234,375.00	468,750.00
06/15/2031	-	-	234,375.00	234,375.00	-
12/15/2031	-	-	234,375.00	234,375.00	468,750.00
06/15/2032	-	-	234,375.00	234,375.00	-
12/15/2032	-	-	234,375.00	234,375.00	468,750.00
06/15/2033	-	-	234,375.00	234,375.00	-
12/15/2033	-	-	234,375.00	234,375.00	468,750.00
06/15/2034	-	-	234,375.00	234,375.00	-
12/15/2034	-	-	234,375.00	234,375.00	468,750.00
06/15/2035	-	-	234,375.00	234,375.00	-

Series 2013&2014 | Issue Summary | 2/ 1/2016 | 11:32 AM

Village of Winnetka, Cook County, Illinois

General Obligation Bonds, Series 2014

FINAL

Debt Service Schedule

Part 2 of 2

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
12/15/2035	-	-	234,375.00	234,375.00	468,750.00
06/15/2036	-	-	234,375.00	234,375.00	-
12/15/2036	-	-	234,375.00	234,375.00	468,750.00
06/15/2037	-	-	234,375.00	234,375.00	-
12/15/2037	-	-	234,375.00	234,375.00	468,750.00
06/15/2038	-	-	234,375.00	234,375.00	-
12/15/2038	-	-	234,375.00	234,375.00	468,750.00
06/15/2039	-	-	234,375.00	234,375.00	-
12/15/2039	-	-	234,375.00	234,375.00	468,750.00
06/15/2040	-	-	234,375.00	234,375.00	-
12/15/2040	-	-	234,375.00	234,375.00	468,750.00
06/15/2041	-	-	234,375.00	234,375.00	-
12/15/2041	1,175,000.00	5.000%	234,375.00	1,409,375.00	1,643,750.00
06/15/2042	-	-	205,000.00	205,000.00	-
12/15/2042	1,630,000.00	5.000%	205,000.00	1,835,000.00	2,040,000.00
06/15/2043	-	-	164,250.00	164,250.00	-
12/15/2043	1,705,000.00	5.000%	164,250.00	1,869,250.00	2,033,500.00
06/15/2044	-	-	121,625.00	121,625.00	-
12/15/2044	1,775,000.00	4.375%	121,625.00	1,896,625.00	2,018,250.00
06/15/2045	-	-	82,796.88	82,796.88	-
12/15/2045	1,855,000.00	4.375%	82,796.88	1,937,796.88	2,020,593.76
06/15/2046	-	-	42,218.75	42,218.75	-
12/15/2046	1,930,000.00	4.375%	42,218.75	1,972,218.75	2,014,437.50
Total	\$16,500,000.00	-	\$15,654,661.96	\$32,154,661.96	-

Yield Statistics

Bond Year Dollars	\$347,736.67
Average Life	21.075 Years
Average Coupon	4.5018727%
Net Interest Cost (NIC)	4.4683686%
True Interest Cost (TIC)	4.3578881%
Bond Yield for Arbitrage Purposes	4.2091608%
All Inclusive Cost (AIC)	4.4164851%

IRS Form 8038

Net Interest Cost	4.3258960%
Weighted Average Maturity	20.778 Years