

Village of Shorewood Hills

Existing General Obligation Debt Service Payments

Issue: 1
 Amount: \$4,220,000
 Type: G.O. Corporate Purpose Bonds (CR)
 Dated: May 6, 2009
 Callable: '20-'24 callable 5/1/19 @ par

Calendar Year	PRINCIPAL (5/1)	RATE	INTEREST (5/1 & 11/1)	TOTAL	61.14% General Fund Portion		9.83% TIF #3 & 4 Portion		12.32% Water Portion		6.28% Sewer Portion		10.43% Storm Water Portion	
					PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST
2019	\$475,000	3.500%	\$8,313	\$483,313	\$360,000	\$6,300	\$30,000	\$525	\$35,000	\$613	\$20,000	\$350	\$30,000	\$525
2020	***	3.500%												
2021	***	3.650%												
2022	***	3.750%												
2023	***	3.850%												
2024	***	4.000%												
2025														
2026														
2027														
2028														
2029														
2030														
2031														
2032														
2033														
Callable	<u>\$475,000</u>		<u>\$8,313</u>	<u>\$483,313</u>	<u>\$360,000</u>	<u>\$6,300</u>	<u>\$30,000</u>	<u>\$525</u>	<u>\$35,000</u>	<u>\$613</u>	<u>\$20,000</u>	<u>\$350</u>	<u>\$30,000</u>	<u>\$525</u>
Maturities														

Credit: AA+
 Paying Agent: Associated Trust

*** Refunded by 2017 Notes.

Village of Shorewood Hills

Existing General Obligation Debt Service Payments

Build America Bonds																
Issue:		2														
Amount:		\$3,400,000														
Type:		Taxable G.O. Corporate Purpose Bonds														
Dated:		July 12, 2010														
Callable:		'21-'30 callable 5/1/20 @ par														
Calendar Year	PRINCIPAL (5/1)	RATE	INTEREST (5/1 & 11/1)	TOTAL	26.03% General Fund Portion		28.53% TIF #3 Portion		21.03% Water Portion		8.24% Sewer Portion		12.65% Storm Water Portion		3.53% Pool Portion	
					PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST
2019	\$180,000	4.000%	\$104,198	\$284,198	\$60,000	\$21,418	\$45,000	\$31,815	\$35,000	\$23,505	\$15,000	\$9,413	\$20,000	\$14,100	\$5,000	\$3,948
2020	\$175,000	4.250%	\$96,879	\$271,879	\$55,000	\$19,049	\$45,000	\$29,959	\$35,000	\$22,061	\$15,000	\$8,794	\$20,000	\$13,275	\$5,000	\$3,741
2021	\$180,000	4.500%	\$89,110	\$269,110	\$55,000	\$16,643	\$50,000	\$27,878	\$35,000	\$20,530	\$15,000	\$8,138	\$20,000	\$12,400	\$5,000	\$3,523
2022	\$185,000	4.700%	\$80,713	\$265,713	\$60,000	\$13,995	\$50,000	\$25,578	\$35,000	\$18,920	\$15,000	\$7,448	\$20,000	\$11,480	\$5,000	\$3,293
2023	\$190,000	4.900%	\$71,710	\$261,710	\$55,000	\$11,238	\$50,000	\$23,178	\$40,000	\$17,118	\$15,000	\$6,728	\$25,000	\$10,398	\$5,000	\$3,053
2024	\$195,000	5.000%	\$62,180	\$257,180	\$55,000	\$8,515	\$55,000	\$20,578	\$40,000	\$15,138	\$15,000	\$5,985	\$25,000	\$9,160	\$5,000	\$2,805
2025	\$280,000	5.100%	\$50,165	\$330,165	\$140,000	\$3,570	\$55,000	\$17,800	\$40,000	\$13,118	\$15,000	\$5,228	\$25,000	\$7,898	\$5,000	\$2,553
2026	\$140,000	5.200%	\$39,385	\$179,385			\$55,000	\$14,968	\$40,000	\$11,058	\$15,000	\$4,455	\$25,000	\$6,610	\$5,000	\$2,295
2027	\$155,000	5.300%	\$31,638	\$186,638			\$60,000	\$11,948	\$45,000	\$8,825	\$15,000	\$3,668	\$25,000	\$5,298	\$10,000	\$1,900
2028	\$160,000	5.400%	\$23,210	\$183,210			\$60,000	\$8,738	\$45,000	\$6,418	\$20,000	\$2,730	\$25,000	\$3,960	\$10,000	\$1,365
2029	\$170,000	5.450%	\$14,258	\$184,258			\$65,000	\$5,346	\$45,000	\$3,976	\$20,000	\$1,645	\$30,000	\$2,468	\$10,000	\$823
2030	\$175,000	5.500%	\$4,813	\$179,813			\$65,000	\$1,788	\$50,000	\$1,375	\$20,000	\$550	\$30,000	\$825	\$10,000	\$275
2031																
2032																
2033																
Callable Maturities	\$2,185,000		\$668,256	\$2,853,256	\$480,000	\$94,426	\$655,000	\$219,570	\$485,000	\$162,040	\$195,000	\$64,779	\$290,000	\$97,870	\$80,000	\$29,571

Credit: AA+
Paying Agent: Associated Trust

Village of Shorewood Hills

Existing General Obligation Debt Service Payments

Calendar Year	PRINCIPAL (3/1)	RATE	INTEREST (3/1 & 9/1)	TOTAL	New Money 25.82% General Fund Portion		New Money 22.73% TIF #3 & 4 Portion		New Money 5.27% Storm Water Portion	
					PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST
2019	\$105,000	2.000%	\$21,193	\$126,193	\$55,000	\$11,005	\$40,000	\$8,353	\$10,000	\$1,835
2020	\$105,000	2.000%	\$19,093	\$124,093	\$55,000	\$9,905	\$40,000	\$7,553	\$10,000	\$1,635
2021	\$110,000	2.000%	\$16,943	\$126,943	\$55,000	\$8,805	\$45,000	\$6,703	\$10,000	\$1,435
2022	\$115,000	2.000%	\$14,693	\$129,693	\$60,000	\$7,655	\$45,000	\$5,803	\$10,000	\$1,235
2023	\$115,000	2.000%	\$12,393	\$127,393	\$60,000	\$6,455	\$45,000	\$4,903	\$10,000	\$1,035
2024	\$115,000	2.150%	\$10,006	\$125,006	\$60,000	\$5,210	\$45,000	\$3,969	\$10,000	\$828
2025	\$115,000	2.300%	\$7,448	\$122,448	\$60,000	\$3,875	\$45,000	\$2,968	\$10,000	\$605
2026	\$125,000	2.400%	\$4,625	\$129,625	\$65,000	\$2,405	\$50,000	\$1,850	\$10,000	\$370
2027	\$125,000	2.500%	\$1,563	\$126,563	\$65,000	\$813	\$50,000	\$625	\$10,000	\$125
2028										
2029										
2030										
2031										
2032										
2033										
Callable Maturities	\$1,030,000		\$107,954	\$1,137,954	\$535,000	\$56,128	\$405,000	\$42,724	\$90,000	\$9,103

Credit: AA+
Paying Agent: Associated Trust

Village of Shorewood Hills

Existing General Obligation Debt Service Payments

Issue: 4
 Amount: \$3,155,000
 Type: Taxable G.O. Corporate Purp. Bonds
 Dated: June 10, 2013
 Callable: '24-'30 callable 5/1/23 @ par

New Money
96.08% Portion
TIF #3 & 4 Portion

CR STFL
3.92% Portion
General Fund Portion

Issue: 5
 Amount: \$3,060,000
 Type: G.O. Refunding Bonds (CR)
 Dated: August 5, 2013
 Callable: '24-'33 callable 5/1/23 @ par

CR NAN
37.58% Portion
TIF #3 Portion

CR NAN
18.30% Portion
Water Portion

CR NAN
44.12% Portion
General Fund Portion

Calendar Year	Issue 4				New Money				CR STFL				Issue 5				CR NAN			
	PRINCIPAL (5/1)	RATE	INTEREST (5/1 & 11/1)	TOTAL	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL (5/1)	RATE	INTEREST (5/1 & 11/1)	TOTAL	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST		
2019	\$175,000	2.500%	\$66,238	\$241,238	\$164,695	\$64,563	\$10,305	\$1,675	\$100,000	2.000%	\$80,470	\$180,470	\$60,000	\$25,540	\$11,728	\$16,105	\$28,272	\$38,825		
2020	\$185,000	2.500%	\$61,738	\$246,738	\$169,542	\$60,385	\$15,458	\$1,353	\$100,000	2.000%	\$78,470	\$178,470	\$65,000	\$24,290	\$10,262	\$15,885	\$24,738	\$38,295		
2021	\$190,000	2.500%	\$57,050	\$247,050	\$174,542	\$56,084	\$15,458	\$966	\$95,000	2.350%	\$76,354	\$171,354	\$65,000	\$22,876	\$8,796	\$15,679	\$21,204	\$37,798		
2022	\$190,000	2.500%	\$52,300	\$242,300	\$174,542	\$51,720	\$15,458	\$580	\$105,000	2.350%	\$74,004	\$179,004	\$65,000	\$21,349	\$11,728	\$15,438	\$28,272	\$37,217		
2023	\$195,000	2.500%	\$47,488	\$242,488	\$179,540	\$47,294	\$15,460	\$193	\$135,000	2.800%	\$70,880	\$205,880	\$70,000	\$19,605	\$19,058	\$15,033	\$45,942	\$36,242		
2024	\$185,000	2.750%	\$42,506	\$227,506	\$185,000	\$42,506			\$155,000	2.800%	\$66,820	\$221,820	\$70,000	\$17,645	\$24,921	\$14,418	\$60,079	\$34,757		
2025	\$190,000	2.850%	\$37,255	\$227,255	\$190,000	\$37,255			\$195,000	3.200%	\$61,530	\$256,530	\$70,000	\$15,545	\$36,649	\$13,482	\$88,351	\$32,503		
2026	\$200,000	2.950%	\$31,598	\$231,598	\$200,000	\$31,598			\$205,000	3.200%	\$55,130	\$260,130	\$75,000	\$13,225	\$38,115	\$12,286	\$91,885	\$29,619		
2027	\$205,000	3.100%	\$25,470	\$230,470	\$205,000	\$25,470			\$210,000	3.500%	\$48,175	\$258,175	\$75,000	\$10,713	\$39,581	\$10,984	\$95,419	\$26,479		
2028	\$210,000	3.250%	\$18,880	\$228,880	\$210,000	\$18,880			\$220,000	3.500%	\$40,650	\$260,650	\$80,000	\$8,000	\$41,047	\$9,573	\$98,953	\$23,077		
2029	\$220,000	3.400%	\$11,728	\$231,728	\$220,000	\$11,728			\$225,000	4.000%	\$32,300	\$257,300	\$80,000	\$5,000	\$42,513	\$8,004	\$102,487	\$19,296		
2030	\$225,000	3.550%	\$3,994	\$228,994	\$225,000	\$3,994			\$235,000	4.000%	\$23,100	\$258,100	\$85,000	\$1,700	\$43,979	\$6,274	\$106,021	\$15,126		
2031									\$150,000	4.000%	\$15,400	\$165,400			\$43,979	\$4,515	\$106,021	\$10,885		
2032									\$155,000	4.000%	\$9,300	\$164,300			\$45,445	\$2,727	\$109,555	\$6,573		
2033									\$155,000	4.000%	\$3,100	\$158,100			\$45,445	\$909	\$109,555	\$2,191		
Callable Maturities	\$2,370,000		\$456,243	\$2,826,243	\$2,297,861	\$451,476	\$72,139	\$4,766	\$2,440,000		\$735,683	\$3,175,683	\$860,000	\$185,488	\$463,246	\$161,313	\$1,116,754	\$388,882		

Credit: AA+
 Paying Agent: Associated Trust

Credit: AA+
 Paying Agent: Associated Trust

Village of Shorewood Hills

Existing General Obligation Debt Service Payments

		Issue: 6		Amount: \$2,200,000		Type: G.O. Promissory Notes		Dated: June 8, 2015		Callables: '24-'25 callable 5/1/23 @ par		New Money 51.82% Portion General Fund Portion		New Money 1.36% Portion Pool Portion		New Money 0.91% Portion Marina Portion		New Money 38.86% Portion TIF #3 & 4 Portion		New Money 7.05% Portion Sewer Portion	
Calendar Year	PRINCIPAL (5/1)	RATE	INTEREST (5/1 & 11/1)	TOTAL	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	
2019	\$215,000	2.000%	\$36,038	\$251,038	\$145,000	\$25,105	\$5,000	\$275	\$5,000	\$50	\$45,000	\$7,922	\$15,000	\$2,685							
2020	\$230,000	2.250%	\$31,300	\$261,300	\$160,000	\$21,855	\$5,000	\$169			\$50,000	\$6,910	\$15,000	\$2,367							
2021	\$230,000	2.250%	\$26,125	\$256,125	\$160,000	\$18,255	\$5,000	\$56			\$50,000	\$5,785	\$15,000	\$2,029							
2022	\$240,000	2.250%	\$20,838	\$260,838	\$170,000	\$14,542					\$55,000	\$4,603	\$15,000	\$1,692							
2023	\$245,000	2.250%	\$15,381	\$260,381	\$170,000	\$10,717					\$55,000	\$3,366	\$20,000	\$1,298							
2024	\$245,000	2.500%	\$9,563	\$254,563	\$170,000	\$6,680					\$55,000	\$2,060	\$20,000	\$823							
2025	\$260,000	2.500%	\$3,250	\$263,250	\$182,194	\$2,277					\$54,889	\$686	\$22,917	\$286							
2026																					
2027																					
2028																					
2029																					
2030																					
2031																					
2032																					
2033																					
Callable Maturities	\$1,665,000		\$142,494	\$1,807,494	\$1,157,194	\$99,432	\$15,000	\$500	\$5,000	\$50	\$364,889	\$31,332	\$122,917	\$11,180							

Credit: AA+
 Paying Agent: Associated Trust
 Bid Premium: \$62,924.40

Village of Shorewood Hills

Existing General Obligation Debt Service Payments

Issue: 7
 Amount: \$4,100,000
 Type: G.O. Promissory Notes
 Dated: May 3, 2017
 Callable: '25-'27 callable 5/1/24 @ par

Calendar Year	PRINCIPAL (5/1)	RATE	INTEREST (5/1 & 11/1)	TOTAL	New Money		Refinancing		New Money		Refinancing		Refinancing		Refinancing			
					26.46% General Fund Portion	51.95% General Fund Portion	4.88% TIF Portion	4.15% TIF #3 & 4 Portion	5.37% Water Portion	2.68% Sewer Portion	4.51% Storm Water Portion							
2019	\$145,000	2.000%	\$96,600	\$241,600	\$100,000	\$24,300	\$20,000	\$51,000	\$20,000	\$5,000	\$4,000	\$5,000	\$5,250	\$2,700		\$4,350		
2020	\$645,000	2.000%	\$88,700	\$733,700	\$100,000	\$22,300	\$400,000	\$46,800	\$20,000	\$4,600	\$30,000	\$3,700	\$40,000	\$4,800	\$20,000	\$2,500	\$35,000	\$4,000
2021	\$655,000	2.000%	\$75,700	\$730,700	\$105,000	\$20,250	\$405,000	\$38,750	\$20,000	\$4,200	\$30,000	\$3,100	\$40,000	\$4,000	\$20,000	\$2,100	\$35,000	\$3,300
2022	\$675,000	2.000%	\$62,400	\$737,400	\$105,000	\$18,150	\$415,000	\$30,550	\$20,000	\$3,800	\$35,000	\$2,450	\$45,000	\$3,150	\$20,000	\$1,700	\$35,000	\$2,600
2023	\$690,000	3.000%	\$45,300	\$735,300	\$105,000	\$15,525	\$425,000	\$20,025	\$20,000	\$3,300	\$35,000	\$1,575	\$45,000	\$2,025	\$25,000	\$1,125	\$35,000	\$1,725
2024	\$735,000	3.000%	\$23,925	\$758,925	\$110,000	\$12,300	\$455,000	\$6,825	\$25,000	\$2,625	\$35,000	\$525	\$45,000	\$675	\$25,000	\$375	\$40,000	\$600
2025	\$140,000	3.000%	\$10,800	\$150,800	\$115,000	\$8,925			\$25,000	\$1,875								
2026	\$145,000	3.000%	\$6,525	\$151,525	\$120,000	\$5,400			\$25,000	\$1,125								
2027	\$145,000	3.000%	\$2,175	\$147,175	\$120,000	\$1,800			\$25,000	\$375								
2028																		
2029																		
2030																		
2031																		
2032																		
2033																		
Callable Maturities	\$3,975,000		\$412,125	\$4,387,125	\$980,000	\$128,950	\$2,120,000	\$193,950	\$200,000	\$26,900	\$165,000	\$15,350	\$220,000	\$19,900	\$110,000	\$10,500	\$180,000	\$16,575

Credit: AAA
 Paying Agent: Associated Trust
 Bid Premium/Rounding: \$28,829.78

Village of Shorewood Hills

Existing General Obligation Debt Service Payments

Issue: 8
 Amount: \$2,250,000
 Type: G.O. Promissory Notes
 Dated: January 7, 2019
 Callable: '27-'28 callable 5/1/26 @ par

New Money
 100.00% Portion
 TIF #3 & 4 Portion

Calendar Year	PRINCIPAL (5/1)	RATE	INTEREST (5/1 & 11/1)	TOTAL	PRINCIPAL	INTEREST
2019			\$65,701	\$65,701		\$65,701
2020	\$135,000	4.000%	\$77,750	\$212,750	\$135,000	\$77,750
2021	\$205,000	4.000%	\$70,950	\$275,950	\$205,000	\$70,950
2022	\$215,000	4.000%	\$62,550	\$277,550	\$215,000	\$62,550
2023	\$230,000	4.000%	\$53,650	\$283,650	\$230,000	\$53,650
2024	\$250,000	4.000%	\$44,050	\$294,050	\$250,000	\$44,050
2025	\$260,000	4.000%	\$33,850	\$293,850	\$260,000	\$33,850
2026	\$305,000	3.000%	\$24,075	\$329,075	\$305,000	\$24,075
2027	\$320,000	3.000%	\$14,700	\$334,700	\$320,000	\$14,700
2028	\$330,000	3.000%	\$4,950	\$334,950	\$330,000	\$4,950
2029						
2030						
2031						
2032						
2033						
Callable Maturities	<u>\$2,250,000</u>		<u>\$452,226</u>	<u>\$2,702,226</u>	<u>\$2,250,000</u>	<u>\$452,226</u>

Credit: AAA
 Paying Agent: Associated Trust
 Bid Premium: \$104,243.50

Village of Shorewood Hills

Existing General Obligation Debt Service Payments

Calendar Year	TOTAL DEBT SERVICE			POOL PORTION				TIF #3 & 4 PORTION				WATER PORTION			
	PRINCIPAL	INTEREST	TOTAL	PRINCIPAL	INTEREST	BABs SUBSIDY	TOTAL	PRINCIPAL	INTEREST	BABs SUBSIDY	TOTAL	PRINCIPAL	INTEREST	BABs SUBSIDY	TOTAL
2019	\$1,395,000	\$478,748	\$1,873,748	\$10,000	\$4,223	(\$1,296)	\$12,927	\$404,695	\$213,418	(\$10,445)	\$607,669	\$86,728	\$45,473	(\$7,717)	\$124,484
2020	\$1,575,000	\$453,929	\$2,028,929	\$10,000	\$3,910	(\$1,228)	\$12,682	\$554,542	\$215,146	(\$9,835)	\$759,852	\$85,262	\$42,746	(\$7,243)	\$120,766
2021	\$1,665,000	\$412,231	\$2,077,231	\$10,000	\$3,579	(\$1,156)	\$12,422	\$639,542	\$197,575	(\$9,152)	\$827,965	\$83,796	\$40,209	(\$6,740)	\$117,265
2022	\$1,725,000	\$367,496	\$2,092,496	\$5,000	\$3,293	(\$1,081)	\$7,212	\$659,542	\$177,853	(\$8,397)	\$828,997	\$91,728	\$37,508	(\$6,211)	\$123,025
2023	\$1,800,000	\$316,801	\$2,116,801	\$5,000	\$3,053	(\$1,002)	\$7,050	\$684,540	\$156,870	(\$7,609)	\$833,801	\$104,058	\$34,176	(\$5,620)	\$132,614
2024	\$1,880,000	\$259,050	\$2,139,050	\$5,000	\$2,805	(\$921)	\$6,884	\$720,000	\$133,957	(\$6,756)	\$847,202	\$109,921	\$30,230	(\$4,970)	\$135,182
2025	\$1,440,000	\$204,298	\$1,644,298	\$5,000	\$2,553	(\$864)	\$6,688	\$699,889	\$109,979	(\$6,022)	\$803,846	\$76,649	\$26,600	(\$4,438)	\$98,811
2026	\$1,120,000	\$161,338	\$1,281,338	\$5,000	\$2,295	(\$803)	\$6,492	\$710,000	\$86,840	(\$5,239)	\$791,601	\$78,115	\$23,344	(\$3,870)	\$97,589
2027	\$1,160,000	\$123,720	\$1,283,720	\$10,000	\$1,900	(\$665)	\$11,235	\$735,000	\$63,830	(\$4,182)	\$794,648	\$84,581	\$19,809	(\$3,089)	\$101,301
2028	\$920,000	\$87,690	\$1,007,690	\$10,000	\$1,365	(\$478)	\$10,887	\$680,000	\$40,568	(\$3,058)	\$717,509	\$86,047	\$15,990	(\$2,246)	\$99,791
2029	\$615,000	\$58,285	\$673,285	\$10,000	\$823	(\$288)	\$10,535	\$365,000	\$22,074	(\$1,871)	\$385,203	\$87,513	\$11,980	(\$1,392)	\$98,102
2030	\$635,000	\$31,906	\$666,906	\$10,000	\$275	(\$96)	\$10,179	\$375,000	\$7,481	(\$626)	\$381,856	\$93,979	\$7,649	(\$481)	\$101,147
2031	\$150,000	\$15,400	\$165,400									\$43,979	\$4,515	\$0	\$48,494
2032	\$155,000	\$9,300	\$164,300									\$45,445	\$2,727	\$0	\$48,172
2033	\$155,000	\$3,100	\$158,100									\$45,445	\$909	\$0	\$46,354
Callable Maturities	\$16,390,000	\$2,983,292	\$19,373,292	\$95,000	\$30,071	(\$9,879)	\$115,192	\$7,227,750	\$1,425,590	(\$73,191)	\$8,580,149	\$1,203,246	\$343,866	(\$54,016)	\$1,493,096

Reduced by 6.6% on 5/1/18 and 6.2% 11/1/18-11/1/19. Assumes 6.2% reduction FY2020-2025 (sequestration)

Village of Shorewood Hills

Existing General Obligation Debt Service Payments

Calendar Year	MARINA PORTION			SEWER PORTION			STORM WATER PORTION				Revenue Supported	General Fund Only	TOTAL BABs SUBSIDY	GENERAL FUND LEVY PORTION			
	PRINCIPAL	INTEREST	TOTAL	PRINCIPAL	INTEREST	BABs SUBSIDY	TOTAL	PRINCIPAL	INTEREST	BABs SUBSIDY	TOTAL	BABs SUBSIDY 35%		BABs SUBSIDY 35%	PRINCIPAL	INTEREST	TOTAL
2019	\$5,000	\$50	\$5,050	\$50,000	\$15,148	(\$3,090)	\$62,058	\$60,000	\$20,810	(\$4,629)	\$76,181	\$27,177	\$7,031	\$34,208	\$778,577	\$172,596	\$951,173
2020	\$0	\$0	\$0	\$50,000	\$13,660	(\$2,887)	\$60,773	\$65,000	\$18,910	(\$4,358)	\$79,552	\$25,552	\$6,254	\$31,805	\$810,196	\$153,302	\$963,498
2021	\$0	\$0	\$0	\$50,000	\$12,267	(\$2,672)	\$59,595	\$65,000	\$17,135	(\$4,071)	\$78,064	\$23,791	\$5,464	\$29,255	\$816,662	\$136,003	\$952,665
2022	\$0	\$0	\$0	\$50,000	\$10,839	(\$2,445)	\$58,394	\$65,000	\$15,315	(\$3,769)	\$76,546	\$21,903	\$4,595	\$26,498	\$853,730	\$118,094	\$971,824
2023	\$0	\$0	\$0	\$60,000	\$9,150	(\$2,209)	\$66,942	\$70,000	\$13,158	(\$3,413)	\$79,744	\$19,853	\$3,689	\$23,542	\$876,402	\$96,705	\$973,107
2024	\$0	\$0	\$0	\$60,000	\$7,183	(\$1,965)	\$65,218	\$75,000	\$10,588	(\$3,007)	\$82,580	\$17,618	\$2,795	\$20,414	\$910,079	\$71,492	\$981,571
2025	\$0	\$0	\$0	\$37,917	\$5,514	(\$1,769)	\$41,662	\$35,000	\$8,503	(\$2,672)	\$40,831	\$15,764	\$1,172	\$16,936	\$585,545	\$49,978	\$635,523
2026	\$0	\$0	\$0	\$15,000	\$4,455	(\$1,559)	\$17,896	\$35,000	\$6,980	(\$2,314)	\$39,667	\$13,785	\$0	\$13,785	\$276,885	\$37,424	\$314,309
2027	\$0	\$0	\$0	\$15,000	\$3,668	(\$1,284)	\$17,384	\$35,000	\$5,423	(\$1,854)	\$38,568	\$11,073	\$0	\$11,073	\$280,419	\$29,091	\$309,510
2028	\$0	\$0	\$0	\$20,000	\$2,730	(\$956)	\$21,775	\$25,000	\$3,960	(\$1,386)	\$27,574	\$8,124	\$0	\$8,124	\$98,953	\$23,077	\$122,030
2029	\$0	\$0	\$0	\$20,000	\$1,645	(\$576)	\$21,069	\$30,000	\$2,468	(\$864)	\$31,604	\$4,990	\$0	\$4,990	\$102,487	\$19,296	\$121,783
2030	\$0	\$0	\$0	\$20,000	\$550	(\$193)	\$20,358	\$30,000	\$825	(\$289)	\$30,536	\$1,684	\$0	\$1,684	\$106,021	\$15,126	\$121,147
2031															\$106,021	\$10,885	\$116,906
2032															\$109,555	\$6,573	\$116,128
2033															\$109,555	\$2,191	\$111,746
Callable Maturities	\$5,000	\$50	\$5,050	\$447,917	\$86,809	(\$21,603)	\$513,123	\$590,000	\$124,073	(\$32,625)	\$681,447	\$191,314	\$31,000	\$222,314	\$6,821,087	\$941,833	\$7,762,920

Reduced by 6.2% in 2019. Assumes 6.2% reduction FY2020-2025 (sequestration)