All bond issues tax-exempt except for the Taxable 2009 Series A (Build America Bonds) and Taxable 2009 Series B (Build America Bonds)

Principal payment dates are January 1st, except: (a) December 1st for Series 2016A, 2014A, and 2009B; and (b) July 1st for Series 2007A.

	2019 Series A		2018 Series A		2017 Series A		2016 Series B		2016 Series A			2015 Series B		
	Fixed Rate;		Fixed Rate (5.0%);		Fixed Rat		Fixed Rat	` ,.	Fixed Rate;			Fixed Rat	` '	
Fiscal		Callable on/after 7/1/29; Uninsured		Callable on/after 1/1/29; Uninsured		Callable on/s Unins	· ·	Callable on/after 7/1/26; Uninsured		Callable on/after 1/1/26; Uninsured			Callable on/ Unins	•
Year*			Interest	Principal	5.0% Interest	Principal	5.0% Interest	Principal	5.0% Interest	Principal	Rate	Interest	Principal	5.0% Interest
2019	-	-	6,587,500	\$17,125,000	\$25,118,438		\$15,000,000	-	\$15,000,000	-	-	\$16,131,750	-	\$20,000,000
2020	-	-	13,950,000	13,830,000	24,906,250	-	15,000,000	-	15,000,000	-	-	16,131,750	-	20,000,000
2021	-	-	13,950,000	15,855,000	24,214,750	-	15,000,000	-	15,000,000	-	-	16,131,750	-	20,000,000
2022	-	-	13,950,000	12,900,000	23,422,000	-	15,000,000	-	15,000,000	-	-	16,131,750	-	20,000,000
2023	-	-	13,950,000	12,910,000	22,777,000	-	15,000,000	-	15,000,000	-	-	16,131,750	-	20,000,000
2024	-	-	13,950,000	46,330,000	22,131,500	-	15,000,000	-	15,000,000	-	-	16,131,750	-	20,000,000
2025	-	-	13,950,000	63,205,000	19,815,000	-	15,000,000	-	15,000,000	-	-	16,131,750	-	20,000,000
2026	-	-	13,950,000	60,930,000	16,654,750	-	15,000,000	5,200,000	15,000,000	-	-	16,131,750	4,150,000	20,000,000
2027	-	-	13,950,000	63,070,000	13,608,250	5,500,000	15,000,000	5,400,000	14,740,000	-	-	16,131,750	4,400,000	19,792,500
2028	-	-	13,950,000	66,665,000	10,454,750	5,800,000	14,725,000	5,800,000	14,470,000	-	-	16,131,750	4,550,000	19,572,500
2029	-	-	13,950,000	70,340,000	7,121,500	6,000,000	14,435,000	6,000,000	14,180,000	-	-	16,131,750	4,850,000	19,345,000
2030	-	-	13,950,000	72,090,000	3,604,500	6,400,000	14,135,000	6,300,000	13,880,000	-	-	16,131,750	5,050,000	19,102,500
2031	-	-	13,950,000			6,700,000	13,815,000	14,300,000	13,565,000	162,720,000	Note ⁽²⁾	16,131,750	5,300,000	18,850,000
2032	-	-	13,950,000			7,000,000	13,480,000	14,900,000	12,850,000	170,340,000	5.0%	8,517,000	5,600,000	18,585,000
2033	-	-	13,950,000			7,300,000	13,130,000	5,000,000	12,105,000				5,900,000	18,305,000
2034	-	-	13,950,000			7,600,000	12,765,000	5,300,000	11,855,000				6,150,000	18,010,000
2035	4,000,000	5.0%	13,950,000			8,300,000	12,385,000	8,500,000	11,590,000				38,500,000	17,702,500
2036	4,000,000	4.0%	13,750,000			8,700,000	11,970,000	8,900,000	11,165,000				40,400,000	15,777,500
2037	4,000,000	3.0%	13,590,000			9,500,000	11,535,000	9,000,000	10,720,000				42,400,000	13,757,500
2038	18,000,000	4.0%	13,470,000			16,200,000	11,060,000	9,300,000	10,270,000				91,850,000	11,637,500
2039	20,000,000	5.0%	12,750,000			60,000,000	10,250,000	56,000,000	9,805,000				140,900,000	7,045,000
2040	25,000,000	5.0%	11,750,000			95,000,000	7,250,000	140,100,000	7,005,000					
2041	85,000,000		10,500,000			50,000,000	2,500,000							
2042	70,000,000		6,535,000											
2043	70,000,000	Note ⁽¹⁾	3,270,000											
	\$300,000,000		\$315,402,500	\$515,250,000	\$213,828,688	\$300,000,000	\$298,435,000	\$300,000,000	\$288,200,000	\$333,060,000		\$218,229,750	\$400,000,000	\$377,482,500

^{*} Per the trust indenture, debt service for each fiscal year is shown excluding debt service due January 1 and including the following year's debt service due January 1.

⁽¹⁾ For Series 2019A, the \$85,000,000 principal due 1/1/2042 consists of \$28,500,000 at 4.00% and \$56,500,000 at 5.00%; and the \$70,000,000 principal due 1/1/2043 consists of \$23,500,000 at 4.00% and \$46,500,000 at 5.00%; and the \$70,000,000 principal due 1/1/2044 consists of \$23,000,000 at 4.00% and \$47,000,000 at 5.00%.

⁽²⁾ For Series 2016A, the \$162,720,000 principal due 12/1/2031 consists of \$52,125,000 at 4.00% and \$110,595,000 at 5.00%.

All bond issues tax-exempt except for the Taxable 2009 Series A (Build America Bonds) and Taxable 2009 Series B (Build America Bonds) Principal payment dates are January 1st, except: (a) December 1st for Series 2016A, 2014A, and 2009B; and (b) July 1st for Series 2007A.

	2015 Series A		2014 Series D		2014 Series C		2014 Series B		2014 Series A		2013 Series A		
	Fixed Rate (5.0%); Callable on/after 7/1/25;		on/after 7/1/25; Not Callable;		Fixed Rat	e (5.0%);	Fixed Rat	e (5.0%);		ed Rate	-	Fixed Rate	e (5.0%);
					Callable on/a		Callable on/after 1/1/24;		Not Callable;			Callable on/after 1/1/23;	
Fiscal	Unins	Uninsured		Uninsured		Uninsured		Uninsured		Uninsured			ured
<u>Year*</u>	Principal	5.0% Interest	Principal	5.0% Int.	Principal	5.0% Int.	Principal	5.0% Int.	Principal	Rate	Interest	Principal	5.0% Interest
2019	-	\$20,000,000	\$19,870,000	\$12,167,250	-	\$20,000,000	-	\$25,000,000	\$87,870,000		\$18,925,200	-	\$25,000,000
2020	-	20,000,000	25,805,000	11,173,750	-	20,000,000	-	25,000,000	92,265,000	Note ⁽³⁾	14,531,700	-	25,000,000
2021	-	20,000,000	25,845,000	9,883,500	-	20,000,000	-	25,000,000	96,870,000	5.0%	9,929,250	-	25,000,000
2022	-	20,000,000	30,890,000	8,591,250	-	20,000,000	-	25,000,000	101,715,000	5.0%	5,085,750	-	25,000,000
2023	-	20,000,000	139,935,000	7,046,750	-	20,000,000	-	25,000,000				-	25,000,000
2024	-	20,000,000	1,000,000	50,000	-	20,000,000	-	25,000,000				-	25,000,000
2025	-	20,000,000			-	20,000,000	7,300,000	25,000,000				-	25,000,000
2026	4,150,000	20,000,000			8,300,000	20,000,000	9,100,000	24,635,000				13,605,000	25,000,000
2027	4,400,000	19,792,500			8,700,000	19,585,000	9,100,000	24,180,000				14,285,000	24,319,750
2028	4,550,000	19,572,500			9,200,000	19,150,000	8,100,000	23,725,000				15,000,000	23,605,500
2029	4,850,000	19,345,000			9,600,000	18,690,000	7,700,000	23,320,000				15,745,000	22,855,500
2030	5,050,000	19,102,500			10,100,000	18,210,000	7,700,000	22,935,000				16,535,000	22,068,250
2031	5,300,000	18,850,000			10,600,000	17,705,000	12,900,000	22,550,000				17,360,000	21,241,500
2032	5,600,000	18,585,000			11,100,000	17,175,000	14,900,000	21,905,000				18,230,000	20,373,500
2033	5,900,000	18,305,000			11,700,000	16,620,000	16,900,000	21,160,000				19,140,000	19,462,000
2034	6,150,000	18,010,000			12,300,000	16,035,000	16,700,000	20,315,000				20,100,000	18,505,000
2035	38,500,000	17,702,500			75,600,000	15,420,000	85,500,000	19,480,000				111,025,000	17,500,000
2036	40,400,000	15,777,500			79,400,000	11,640,000	89,800,000	15,205,000				116,575,000	11,948,750
2037	42,400,000	13,757,500			83,400,000	7,670,000	94,300,000	10,715,000				122,400,000	6,120,000
2038	91,850,000	11,637,500			70,000,000	3,500,000	120,000,000	6,000,000					
2039	140,900,000	7,045,000											
2040													
2041													
2042													
2043													
	\$400,000,000	\$377,482,500	\$243,345,000	\$48,912,500	\$400,000,000	\$341,400,000	\$500,000,000	\$431,125,000	\$378,720,000		\$48,471,900	\$500,000,000	\$407,999,750

^{*} Per the trust indenture, debt service for each fiscal year is shown excluding debt service due January 1 and including the following year's debt service due January 1.

⁽³⁾ For Series 2014A, the \$92,265,000 principal due 12/1/2020 consists of \$2,160,000 at 4.50% and \$90,105,000 at 5.00%.

All bond issues tax-exempt except for the Taxable 2009 Series A (Build America Bonds) and Taxable 2009 Series B (Build America Bonds) Principal payment dates are January 1st, except: (a) December 1st for Series 2016A, 2014A, and 2009B; and (b) July 1st for Series 2007A.

	2010 Series A-1			2009 Ser B (Build Amer Bonds)		2009 Ser A (Build	2009 Ser A (Build Amer Bonds)		8 Series A-	2008 Series A-2		
	Fixed Rate;			Fixed Ra	Fixed Rate (5.851%);		(6.184%);	Synth Fixed R	ate (4.224%	until 2/3/20;	Synth Fixed F	Rate (3.764%);
	Callable on/after 1/1/20;				Make-Whole/Extraord Calls;		xtraord Calls;	3.774% thereafte	•	Callable 30-45		
Fiscal	Uninsured			Uninsured		<u> </u>	Uninsured		notice; AGMC Insured		AGMC Insured	
<u>Year*</u>	Principal	Rate	Interest	Principal	5.851% Int. ⁽⁴⁾		6.184% Int. ⁽⁵⁾	Principal	Rate (6)	Interest (6)	Principal	3.764% Int. ⁽⁷⁾
2019	1,620,000		13,850,356	-	\$16,382,800	-	\$24,736,000	1,050,000	4.224%	8,008,704	525,000	\$3,569,213
2020			13,783,531	-	16,382,800	-	24,736,000	1,100,000	3.815%	7,192,379	550,000	3,549,452
2021	1,740,000	4.000%	13,715,531	-	16,382,800	-	24,736,000	1,125,000	3.774%	7,074,363	565,000	3,528,750
2022	1,825,000	4.125%	13,645,931	-	16,382,800	-	24,736,000	1,175,000	3.774%	7,031,906	590,000	3,507,483
2023	1,905,000	4.250%	13,570,650	-	16,382,800	-	24,736,000	1,225,000	3.774%	6,987,561	615,000	3,485,276
2024	41,880,000		13,489,688	-	16,382,800	-	24,736,000	30,025,000	3.774%	6,941,330	15,015,000	3,462,127
2025	41,100,000	Note ⁽⁴⁾	11,395,688	-	16,382,800	-	24,736,000	26,100,000	3.774%	5,808,186	13,050,000	2,896,963
2026	44,250,000	Note ⁽⁴⁾	9,294,188	-	16,382,800	-	24,736,000	30,925,000	3.774%	4,823,172	15,465,000	2,405,761
2027	29,295,000	5.000%	7,165,013	-	16,382,800	-	24,736,000	20,700,000	3.774%	3,656,063	10,350,000	1,823,658
2028	33,160,000	Note ⁽⁴⁾	5,700,263	-	16,382,800	-	24,736,000	23,075,000	3.774%	2,874,845	11,540,000	1,434,084
2029	37,045,000	5.250%	3,996,863	-	16,382,800	-	24,736,000	25,400,000	3.774%	2,003,994	12,705,000	999,718
2030	41,040,000	5.000%	2,052,000	-	16,382,800	-	24,736,000	27,700,000	3.774%	1,045,398	13,855,000	521,502
2031				-	16,382,800	67,230,000	24,736,000					
2032				-	16,382,800	70,105,000	20,578,497					
2033				-	16,382,800	262,665,000	16,243,204					
2034				280,000,000	16,382,800							
2035												
2036												
2037												
2038												
2039												
2040												
2041												
2042												
2043												
	276,560,000	\$	121,659,700	\$280,000,000	\$262,124,800	\$ 400,000,000	\$358,389,700	\$ 189,600,000	,	\$ 63,447,899	\$ 94,825,000	\$31,183,987

^{*} Per the trust indenture, debt service for each fiscal year is shown excluding debt service due January 1 and including the following year's debt service due January 1.

⁽⁴⁾ For Series 2010A-1: the \$41,100,000 principal due 1/1/2026 consists of \$22,500,000 at 5.00% and \$18,600,000 at 5.25%; the \$44,250,000 principal due 1/1/2027 consists of \$16,665,000 at 4.50% and \$27,585,000 at 5.00%; and the \$33,160,000 principal due 1/1/2029 consists of \$15,000,000 at 5.00% and \$18,160,000 at 5.25%.

^[5] Interest expense shown for the Series 2009A/2009B Build America Bonds does not net out federal subsidies of such interest. The subsidies have ranged from 31.955% to 35.000%.

⁽⁶⁾ Series 2008A-1b interest is estimated at 4.224% through 2/2/20 and 3.774% thereafter, based on: (a) an associated variable-to-fixed interest rate swap agreement; and (b) for the period that commenced 2/3/17, a bondholder agreement regarding the direct purchase of the 2008A-1b Bonds for a three year period scheduled to end 2/3/20.

⁽⁷⁾ Series 2008A-2 interest is estimated at 3.764% based on an associated variable-to-fixed interest rate swap agreement.

All bond issues tax-exempt except for the Taxable 2009 Series A (Build America Bonds) and Taxable 2009 Series B (Build America Bonds) Principal payment dates are January 1st, except: (a) December 1st for Series 2016A, 2014A, and 2009B; and (b) July 1st for Series 2007A.

	2007 Serie	es A-1a	2007 Serie	es A-1b	2007 S	eries A-2d	TOTALS				
	Synth Fixed Ra		Synth Fixed Ra	,		Rate (3.9925%);					
	Callable 30-45	-	Callable 30-45			45 days' notice;					
Fiscal	Uninsured		Uninsu		L	nsured					
Year*	Principal 3	3.972% Int. ⁽⁸⁾	Principal	3.972% Int. (9)	Principal	3.9925% Int. (10)	Principal	Interest	Debt Service		
2019	-	\$6,951,000	-	\$6,951,000	-	\$3,493,438	\$128,060,000	\$303,291,337 ⁽¹¹⁾	\$431,351,337		
2020	-	6,951,000	-	6,951,000	-	3,493,438	135,250,000	303,733,050	438,983,050		
2021	-	6,951,000	-	6,951,000	-	3,493,438	142,000,000	296,942,132	438,942,132		
2022	-	6,951,000	-	6,951,000	-	3,493,438	149,095,000	289,880,308	438,975,308		
2023	-	6,951,000	-	6,951,000	-	3,493,438	156,590,000	282,463,224	439,053,224		
2024	12,500,000	6,701,393	12,500,000	6,701,393	6,250,000	3,367,990	165,500,000	274,045,971	439,545,971		
2025	18,750,000	6,079,064	18,750,000	6,079,064	9,375,000	3,055,220	197,630,000	266,329,734	463,959,734		
2026	18,750,000	5,334,314	18,750,000	5,334,314	9,375,000	2,680,923	242,950,000	257,362,972	500,312,972		
2027	31,250,000	4,339,274	31,250,000	4,339,274	15,625,000	2,180,835	253,325,000	245,722,666	499,047,666		
2028	31,250,000	3,099,734	31,250,000	3,099,734	15,625,000	1,557,866	265,565,000	234,242,324	499,807,324		
2029	31,250,000	1,856,774	31,250,000	1,856,774	15,625,000	933,179	278,360,000	222,139,851	500,499,851		
2030	31,250,000	615,524	31,250,000	615,524	15,625,000	309,350	289,945,000	209,397,599	499,342,599		
2031							302,410,000	197,777,050	500,187,050		
2032							317,775,000	182,381,797	500,156,797		
2033							334,505,000	165,663,004	500,168,004		
2034							354,300,000	145,827,800	500,127,800		
2035							369,925,000	125,730,000	495,655,000		
2036							388,175,000	107,233,750	495,408,750		
2037							407,400,000	87,865,000	495,265,000		
2038							417,200,000	67,575,000	484,775,000		
2039							417,800,000	46,895,000	464,695,000		
2040							260,100,000	26,005,000	286,105,000		
2041							135,000,000	13,000,000	148,000,000		
2042							70,000,000	6,535,000	76,535,000		
2043							70,000,000	3,270,000	73,270,000		
•	\$ 175,000,000	\$62,781,078	\$ 175,000,000	\$62,781,078	\$ 87,500,000	\$31,552,549	\$6,248,860,000	\$4,361,309,568	\$10,610,169,568		

^{*} Per the trust indenture, debt service for each fiscal year is shown excluding debt service due January 1 and including the following year's debt service due January 1.

⁽⁸⁾ Series 2007A-1a interest is estimated at 3.972% based on an associated variable-to-fixed interest rate swap agreement.

⁽⁹⁾ Series 2007A-1b interest is estimated at 3.972% based on an associated variable-to-fixed interest rate swap agreement.

 $^{^{(10)}}$ Series 2007A-2d interest is estimated at 3.9925% based on an associated variable-to-fixed interest rate swap agreement.

Fiscal year 2019 interest includes \$418,689.17 interest accrual through 1/9/2019 on: Series 2007A-2a/2b/2c bonds refunded 1/10/2019 and related swap terminated effective 1/10/2019; the Series 2008A-1a bonds refunded 1/10/2019; and the Series 2009A principal due 1/1/20 - 1/1/24 refunded 1/10/2019.