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 for: (a) December 1st for Series 2016A, 2014A, and 2009B; and (b) July 1st for Series 2007A.

	2017 Series A			2016 Series B			2016 Series A		2015 Series B			2015 Series A			
	Fixed Rate;			Fix	ced Rat	e;	Fixed Rate;			Fixed Rate;			Fixed Rate;		
	Callable on/after 1/1/28;			Callable on/after 7/1/26;			Callable on/after 1/1/26;			Callable on/after 1/1/26;			Callable on/after 7/1/25;		
Fiscal	Uninsured			Uninsured			Uninsured			Uninsured			Uninsured		
<u>Year*</u>	Principal	Rate	Interest	Principal	Rate	Interest	Principal	Rate	Interest	Principal	Rate	Interest	Principal	Rate	Interest
2019	-	-	15,000,000	-	-	15,000,000	-	-	16,131,750	-	-	20,000,000	-	-	20,000,000
2020	-	-	15,000,000	-	-	15,000,000	-	-	16,131,750	-	-	20,000,000	-	-	20,000,000
2021	-	-	15,000,000	-	-	15,000,000	-	-	16,131,750	-	-	20,000,000	-	-	20,000,000
2022	-	-	15,000,000	-	-	15,000,000	-	-	16,131,750	-	-	20,000,000	-	-	20,000,000
2023	-	-	15,000,000	-	-	15,000,000	-	-	16,131,750	-	-	20,000,000	-	-	20,000,000
2024	-	-	15,000,000	-	-	15,000,000	-	-	16,131,750	-	-	20,000,000	-	-	20,000,000
2025	-	-	15,000,000	-	-	15,000,000	-	-	16,131,750	-	-	20,000,000	-	-	20,000,000
2026	-	-	15,000,000	5,200,000	5.0%	15,000,000	-	-	16,131,750	4,150,000	5.0%	20,000,000	4,150,000	5.0%	20,000,000
2027	5,500,000	5.0%	15,000,000	5,400,000	5.0%	14,740,000	-	-	16,131,750	4,400,000	5.0%	19,792,500	4,400,000	5.0%	19,792,500
2028	5,800,000	5.0%	14,725,000	5,800,000	5.0%	14,470,000	-	-	16,131,750	4,550,000	5.0%	19,572,500	4,550,000	5.0%	19,572,500
2029	6,000,000	5.0%	14,435,000	6,000,000	5.0%	14,180,000	-	-	16,131,750	4,850,000	5.0%	19,345,000	4,850,000	5.0%	19,345,000
2030	6,400,000	5.0%	14,135,000	6,300,000	5.0%	13,880,000	-	-	16,131,750	5,050,000	5.0%	19,102,500	5,050,000	5.0%	19,102,500
2031	6,700,000	5.0%	13,815,000	14,300,000	5.0%	13,565,000	162,720,000	Note ⁽¹⁾	16,131,750	5,300,000	5.0%	18,850,000	5,300,000	5.0%	18,850,000
2032	7,000,000	5.0%	13,480,000	14,900,000	5.0%	12,850,000	170,340,000	5.0%	8,517,000	5,600,000	5.0%	18,585,000	5,600,000	5.0%	18,585,000
2033	7,300,000	5.0%	13,130,000	5,000,000	5.0%	12,105,000				5,900,000	5.0%	18,305,000	5,900,000	5.0%	18,305,000
2034	7,600,000	5.0%	12,765,000	5,300,000	5.0%	11,855,000				6,150,000	5.0%	18,010,000	6,150,000	5.0%	18,010,000
2035	8,300,000	5.0%	12,385,000	8,500,000	5.0%	11,590,000				38,500,000	5.0%	17,702,500	38,500,000	5.0%	17,702,500
2036	8,700,000	5.0%	11,970,000	8,900,000	5.0%	11,165,000				40,400,000	5.0%	15,777,500	40,400,000	5.0%	15,777,500
2037	9,500,000	5.0%	11,535,000	9,000,000	5.0%	10,720,000				42,400,000	5.0%	13,757,500	42,400,000	5.0%	13,757,500
2038	16,200,000	5.0%	11,060,000	9,300,000	5.0%	10,270,000				91,850,000	5.0%	11,637,500	91,850,000	5.0%	11,637,500
2039	60,000,000	5.0%	10,250,000	56,000,000	5.0%	9,805,000				140,900,000	5.0%	7,045,000	140,900,000	5.0%	7,045,000
2040	95,000,000	5.0%	7,250,000	140,100,000	5.0%	7,005,000									
2041	50,000,000	5.0%	2,500,000												
	\$300,000,000		\$298,435,000	\$300,000,000		\$288,200,000	\$333,060,000		\$218,229,750	\$400,000,000		\$377,482,500	\$400,000,000		\$377,482,500

^{*} Debt service for a given year excludes debt service due January 1 of that year, and includes debt service due January 1 of the following year.

⁽¹⁾ 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 for: (a) December 1st for Series 2016A, 2014A, and 2009B; and (b) July 1st for Series 2007A.

	2014 Series D		2014 Series C		2014 Series B		2014 Series A			2013 Series A				
	Fixed Rate;		Fix	Fixed Rate;		Fixed Rate;			Fixed Rate;			Fixed Rate;		
	Not Callable;			Callable on/after 1/1/25;		Callable on/after 1/1/24;			Not Callable;			Callable on/after 1/1/23;		
Fiscal	Uninsured		Uninsured		Uninsured		Uninsured			Uninsured				
Year*	Principal Rate	Interest	Principal	Rate	Interest	Principal	Rate	Interest	Principal	Rate	Interest	Principal	Rate	Interest
2019	19,870,000 5.0%	12,167,250	-	-	20,000,000	-	-	25,000,000	87,870,000	5.0%	18,925,200	-	-	25,000,000
2020	25,805,000 5.0%	11,173,750	-	-	20,000,000	-	-	25,000,000	92,265,000	Note ⁽²⁾	14,531,700	-	-	25,000,000
2021	25,845,000 5.0%	9,883,500	-	-	20,000,000	-	-	25,000,000	96,870,000	5.0%	9,929,250	-	-	25,000,000
2022	30,890,000 5.0%	8,591,250	-	-	20,000,000	-	-	25,000,000	101,715,000	5.0%	5,085,750	-	-	25,000,000
2023	139,935,000 5.0%	7,046,750	-	-	20,000,000	-	-	25,000,000				-	-	25,000,000
2024	1,000,000 5.0%	50,000	-	-	20,000,000	-	-	25,000,000				-	-	25,000,000
2025			-	-	20,000,000	7,300,000	5.0%	25,000,000				-	-	25,000,000
2026			8,300,000	5.0%	20,000,000	9,100,000	5.0%	24,635,000				13,605,000	5.0%	25,000,000
2027			8,700,000	5.0%	19,585,000	9,100,000	5.0%	24,180,000				14,285,000	5.0%	24,319,750
2028			9,200,000	5.0%	19,150,000	8,100,000	5.0%	23,725,000				15,000,000	5.0%	23,605,500
2029			9,600,000	5.0%	18,690,000	7,700,000	5.0%	23,320,000				15,745,000	5.0%	22,855,500
2030			10,100,000	5.0%	18,210,000	7,700,000	5.0%	22,935,000				16,535,000	5.0%	22,068,250
2031			10,600,000	5.0%	17,705,000	12,900,000	5.0%	22,550,000				17,360,000	5.0%	21,241,500
2032			11,100,000	5.0%	17,175,000	14,900,000	5.0%	21,905,000				18,230,000	5.0%	20,373,500
2033			11,700,000	5.0%	16,620,000	16,900,000	5.0%	21,160,000				19,140,000	5.0%	19,462,000
2034			12,300,000	5.0%	16,035,000	16,700,000	5.0%	20,315,000				20,100,000	5.0%	18,505,000
2035			75,600,000	5.0%	15,420,000	85,500,000	5.0%	19,480,000				111,025,000	5.0%	17,500,000
2036			79,400,000	5.0%	11,640,000	89,800,000	5.0%	15,205,000				116,575,000	5.0%	11,948,750
2037			83,400,000	5.0%	7,670,000	94,300,000	5.0%	10,715,000				122,400,000	5.0%	6,120,000
2038			70,000,000	5.0%	3,500,000	120,000,000	5.0%	6,000,000						
2039														
2040														
2041														
	\$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

^{*} Debt service for a given year excludes debt service due January 1 of that year, and includes debt service due January 1 of the following year.

⁽²⁾ 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 for: (a) December 1st for Series 2016A, 2014A, and 2009B; and (b) July 1st for Series 2007A.

	2010 Series A-1			2009 Series B	B (Build Ar	merica Bonds)	2009 Series A (Build America Bonds) 2008 Series A-1 and			Series A-2			
	Fixed Rate;			F	ixed Rate		Fixed I	Rate, Unin	sured;	Variable Rate (Weekly Mode);			
	Callable on/after 1/1/20;			Make-Whole Call; Extraordinary Call			2020-24 ca		•	Callable on 30-45 days' notice;			
Fiscal	Uninsured			Uninsured			Make-Whole	Call, Extra	ordinary Call	AGMC Insured			
Year*	Principal	Rate	Interest	Principal	Rate	Interest (4)		Rate	Interest (4)	Principal	Rate (5)	Interest ⁽⁵⁾	
2019	1,620,000	4.125%	13,850,356	-	-	16,382,800	18,460,000	5.293%	28,867,716	2,625,000	3.952%	18,733,421	
2020	1,700,000	4.000%	13,783,531	-	-	16,382,800	15,105,000	5.293%	27,890,628	2,750,000	3.788%	17,857,761	
2021	1,740,000	4.000%	13,715,531	-	-	16,382,800	16,975,000	5.293%	27,091,120	2,815,000	3.772%	17,677,476	
2022	1,825,000	4.125%	13,645,931	-	-	16,382,800	13,830,000	5.293%	26,192,634	2,940,000	3.772%	17,571,294	
2023	1,905,000	4.250%	13,570,650	-	-	16,382,800	13,690,000	5.293%	25,460,612	3,065,000	3.772%	17,460,397	
2024	41,880,000	5.000%	13,489,688	-	-	16,382,800	-	-	24,736,000	75,065,000	3.772%	17,344,786	
2025	41,100,000	Note ⁽³⁾	11,395,688	-	-	16,382,800	-	-	24,736,000	65,250,000	3.772%	14,513,334	
2026	44,250,000	Note ⁽³⁾	9,294,188	-	-	16,382,800	-	-	24,736,000	77,315,000	3.772%	12,052,104	
2027	29,295,000	5.000%	7,165,013	-	-	16,382,800	-	-	24,736,000	51,750,000	3.772%	9,135,783	
2028	33,160,000	Note ⁽³⁾	5,700,263	-	-	16,382,800	-	-	24,736,000	57,690,000	3.772%	7,183,773	
2029	37,045,000	5.250%	3,996,863	-	-	16,382,800	-	-	24,736,000	63,505,000	3.772%	5,007,707	
2030	41,040,000	5.000%	2,052,000	-	-	16,382,800	-	-	24,736,000	69,255,000	3.772%	2,612,298	
2031				-	-	16,382,800	67,230,000	6.184%	24,736,000				
2032				-	-	16,382,800	70,105,000	6.184%	20,578,497				
2033				-	-	16,382,800	262,665,000	6.184%	16,243,204				
2034				280,000,000	5.851%	16,382,800							
2035													
2036													
2037													
2038													
2039													
2040													
2041										1			
	\$276,560,000		\$121,659,700	\$280,000,000		\$262,124,800	\$ 478,060,000	(\$ 370,212,410	\$ 474,025,000		\$ 157,150,135	

^{*} Debt service for a given year excludes debt service due January 1 of that year, and includes debt service due January 1 of the following year.

⁽³⁾ 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%.

⁽⁴⁾ Please note interest expense on Series 2009A and 2009B Build America Bonds is <u>not</u> net of anticipated federal subsidies, originally 35% of interest but subsequently subject to sequestration-related reduction.

⁽⁵⁾ Series 2008A interest is estimated based on: (i) 3.999% through 2/2/2020 and 3.774% thereafter for Series 2008A-1 based on variable-to-fixed interest rate swap agreements associated with Series 2008A-1 and a bondholder agreement regarding the direct purchase of a portion of Series 2008A-1 for a three year period scheduled to end on February 3, 2020; and (ii) 3.764% for Series 2008A-2 based on a variable-to-fixed interest rate swap agreement associated with Series 2008A-2.

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 for: (a) December 1st for Series 2016A, 2014A, and 2009B; and (b) July 1st for Series 2007A.

2007 Ser	ies A-1 and Sei	ries A-2		TOTALS	
	Rate (Weekly on 30-45 days'	•			_
Callable	Uninsured	nouce,			
Principal	Rate (6)	Interest (6)	Principal	Interest	Debt Service

<u>Year*</u>	
2019	
2020	
2021	
2022	
2023	
2024	
2025	
2026	

Fiscal

<u>Year*</u>	Principal	Rate (6)	Interest (6)	Principal	Interest		Debt Service
2019	-	-	27,875,750	130,445,000	292,934,243		423,379,243
2020	-	-	27,875,750	137,625,000	285,627,670		423,252,670
2021	-	-	27,875,750	144,245,000	278,687,178		422,932,178
2022	-	-	27,875,750	151,200,000	271,477,159		422,677,159
2023	-	-	27,875,750	158,595,000	263,928,709		422,523,709
2024	50,000,000	3.98225%	26,874,747	167,945,000	255,009,770		422,954,770
2025	75,000,000	3.98225%	24,379,007	188,650,000	247,538,579		436,188,579
2026	75,000,000	3.98225%	21,392,320	241,070,000	239,624,162		480,694,162
2027	125,000,000	3.98225%	17,401,887	257,830,000	228,362,982		486,192,982
2028	125,000,000	3.98225%	12,430,931	268,850,000	217,386,016		486,236,016
2029	125,000,000	3.98225%	7,446,262	280,295,000	205,871,881		486,166,881
2030	125,000,000	3.98225%	2,468,449	292,430,000	193,816,548		486,246,548
2031				302,410,000	183,827,050		486,237,050
2032				317,775,000	168,431,797		486,206,797
2033				334,505,000	151,713,004		486,218,004
2034				354,300,000	131,877,800		486,177,800
2035				365,925,000	111,780,000		477,705,000
2036				384,175,000	93,483,750		477,658,750
2037				403,400,000	74,275,000		477,675,000
2038				399,200,000	54,105,000		453,305,000
2039				397,800,000	34,145,000		431,945,000
2040				235,100,000	14,255,000		249,355,000
2041				50,000,000	2,500,000		52,500,000
	\$ 700,000,000		\$251,772,353	\$ 5,963,770,000	\$ 4,000,658,299	\$	9,964,428,299
						_	

^{*} Debt service for a given year excludes debt service due January 1 of that year, and includes debt service due January 1 of the following year.

⁽⁶⁾ Series 2007A interest is estimated at 3.972% for Series 2007A-1 and 3.9925% for Series 2007A-2, based on associated variable-to-fixed interest rate swap agreements.