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 B		2019 Series A		2018 Series A		2017 Series A		2016 Series B		2016 Series A			
	Fixed Rate (5.0%);		Fixed Rate;		Fixed Rate (5.0%);		Fixed Rat	te (5.0%);	Fixed Rate (5.0%);		Fixed Rate;			
	Callable on/after 1/1/30;		Callable on/after 7/1/29;		Callable on/after 1/1/29;		Callable on/	Callable on/after 1/1/28;		after 7/1/26;	Callable on/after 1/1/26;			
Fiscal	Uninsured		Uninsured		Uninsured		Unins	Uninsured		Uninsured		Uninsured		
Year*	Principal	5.0% Interest	Principal	Rate	Interest	Principal	5.0% Interest	Principal	5.0% Interest	Principal	5.0% Interest	Principal	Rate	Interest
2019	-	-	-	-	6,587,500	\$17,125,000	\$25,118,438	-	\$15,000,000	-	\$15,000,000	-	-	\$16,131,750
2020	-	\$12,732,599	-	-	13,950,000	13,830,000	24,906,250	-	15,000,000	-	15,000,000	-	-	16,131,750
2021	-	11,262,250	-	-	13,950,000	15,855,000	24,214,750	-	15,000,000	-	15,000,000	-	-	16,131,750
2022	-	11,262,250	-	-	13,950,000	12,900,000	23,422,000	-	15,000,000	-	15,000,000	-	-	16,131,750
2023	-	11,262,250	-	-	13,950,000	12,910,000	22,777,000	-	15,000,000	-	15,000,000	-	-	16,131,750
2024	36,670,000	11,262,250	-	-	13,950,000	46,330,000	22,131,500	-	15,000,000	-	15,000,000	-	-	16,131,750
2025	35,625,000	9,428,750	-	-	13,950,000	63,205,000	19,815,000	-	15,000,000	-	15,000,000	-	-	16,131,750
2026	38,455,000	7,647,500	-	-	13,950,000	60,930,000	16,654,750	-	15,000,000	5,200,000	15,000,000	-	-	16,131,750
2027	23,295,000	5,724,750	-	-	13,950,000	63,070,000	13,608,250	5,500,000	15,000,000	5,400,000	14,740,000	-	-	16,131,750
2028	26,860,000	4,560,000	-	-	13,950,000	66,665,000	10,454,750	5,800,000	14,725,000	5,800,000	14,470,000	-	-	16,131,750
2029	30,385,000	3,217,000	-	-	13,950,000	70,340,000	7,121,500	6,000,000	14,435,000	6,000,000	14,180,000	-	-	16,131,750
2030	33,955,000	1,697,750	-	-	13,950,000	72,090,000	3,604,500	6,400,000	14,135,000	6,300,000	13,880,000	-	-	16,131,750
2031			-	-	13,950,000			6,700,000	13,815,000	14,300,000	13,565,000	162,720,000	Note ⁽²⁾	16,131,750
2032			-	-	13,950,000			7,000,000	13,480,000	14,900,000	12,850,000	170,340,000	5.0%	8,517,000
2033			-	-	13,950,000			7,300,000	13,130,000	5,000,000	12,105,000			
2034			-	-	13,950,000			7,600,000	12,765,000	5,300,000	11,855,000			
2035			4,000,000	5.0%	13,950,000			8,300,000	12,385,000	8,500,000	11,590,000			
2036			4,000,000	4.0%	13,750,000			8,700,000	11,970,000	8,900,000	11,165,000			
2037			4,000,000	3.0%	13,590,000			9,500,000	11,535,000	9,000,000	10,720,000			
2038			18,000,000	4.0%	13,470,000			16,200,000	11,060,000	9,300,000	10,270,000			
2039			20,000,000	5.0%	12,750,000			60,000,000	10,250,000	56,000,000	9,805,000			
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	Note ⁽¹⁾	10,500,000			50,000,000	2,500,000					
2042			70,000,000	Note ⁽¹⁾	6,535,000									
2043			70,000,000	Note ⁽¹⁾	3,270,000	-			_					
	\$225,245,000	\$ 90,057,349	\$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

^{*} 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 B		2015 Series A		2014 Series D		2014 Series C		2014 Series B		2014 Series A		2013 Series A		
	Fixed Rate (5.0%);		Fixed Rate (5.0%);		Fixed Rate (5.0%);		Fixed Rate	e (5.0%);	Fixed Rat	e (5.0%);	Fixed Rate;		Fixed Rate (5.0%);		
	Callable on/after 1/1/26;		Callable on/after 7/1/25;		Not Callable;		Callable on/a	after 1/1/25;	Callable on/after 1/1/24;		Not Callable;		e;	Callable on/after 1/1/23;	
Fiscal	al Uninsured		Uninsured		Uninsured		Unins	ured	Uninsured		Uninsured		Uninsured		
Year*	Principal	5.0% Interest	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	-	\$20,000,000	\$19,870,000	\$12,167,250	-	\$20,000,000	-	\$25,000,000	\$87,870,000	5.0%	\$18,925,200	-	\$25,000,000
2020	-	20,000,000	-	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	-	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	-	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	-	20,000,000	139,935,000	7,046,750	-	20,000,000	-	25,000,000				-	25,000,000
2024	-	20,000,000	-	20,000,000	1,000,000	50,000	-	20,000,000	-	25,000,000				-	25,000,000
2025	-	20,000,000	-	20,000,000			-	20,000,000	7,300,000	25,000,000				-	25,000,000
2026	4,150,000	20,000,000	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	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	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	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	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	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	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	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	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	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	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	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	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	140,900,000	7,045,000											
2040															
2041															
2042															
2043	Ф 400 000 ccc	\$077.400.500	# 400 000 000	Ф077 400 F00		#40.040.500	Ф.400.000.000	₱	Ф F00 000 000	Ф404 40E 000	#070 700 COO		Ф 40 4 7 4 000	ΦΕΩΩ ΩΩΩ ΩΩΩ	\$407.000.750
:	\$400,000,000	\$377,482,500	\$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.

	2009 Ser B (Build Amer Bonds) Fixed Rate (5.851%); Make-Whole/Extraord Calls; Uninsured									ī				
			2009 Ser A (Bui	2008 Series A-1b				2008 Se	eries A-2	2007 Se	eries A-1a	2007 Series A-1b		
			ake-Whole/Extraord Calls; Make-Whole/Extraord Calls;		Synth Fixed R	ate (4.224%	6 until 2/3/20;	Syn	nth Fixed F	Rate (3.764%);	Synth Fixed I	Rate (3.972%);	Synth Fixed R	ate (3.972%);
					3.774% thereafter); Callable on 30-45 days'			Call	Callable 30-45 days' notice;		Callable 30-45 days' notice;		Callable 30-45 days' notice;	
Fiscal					notice; AGMC Insured				AGMC Insured		Uninsured		Uninsured	
Year*	Principal	5.851% Int. (4)		6.184% Int. (4)	Principal	Rate (5)	Interest (5)	Pri	ncipal	3.764% Int. (6)	Principal	3.972% Int. (7)	Principal	3.972% Int. (8)
2019	_	\$16,382,800	-	\$24,736,000	1,050,000	4.224%	8,008,704		525,000	\$3,569,213	-	\$6,951,000	-	\$6,951,000
2020	-	16,382,800	-	24,736,000	1,100,000	3.815%	7,192,379		550,000	3,549,452	-	6,951,000	-	6,951,000
2021	-	16,382,800	-	24,736,000	1,125,000	3.774%	7,074,363		565,000	3,528,750	-	6,951,000	-	6,951,000
2022	-	16,382,800	-	24,736,000	1,175,000	3.774%	7,031,906		590,000	3,507,483	-	6,951,000	-	6,951,000
2023	-	16,382,800	-	24,736,000	1,225,000	3.774%	6,987,561		615,000	3,485,276	-	6,951,000	-	6,951,000
2024	-	16,382,800	-	24,736,000	30,025,000	3.774%	6,941,330	15	5,015,000	3,462,127	12,500,000	6,701,393	12,500,000	6,701,393
2025	-	16,382,800	-	24,736,000	26,100,000	3.774%	5,808,186	13	3,050,000	2,896,963	18,750,000	6,079,064	18,750,000	6,079,064
2026	-	16,382,800	-	24,736,000	30,925,000	3.774%	4,823,172	15	,465,000	2,405,761	18,750,000	5,334,314	18,750,000	5,334,314
2027	-	16,382,800	-	24,736,000	20,700,000	3.774%	3,656,063	10	,350,000	1,823,658	31,250,000	4,339,274	31,250,000	4,339,274
2028	-	16,382,800	-	24,736,000	23,075,000	3.774%	2,874,845	11	,540,000	1,434,084	31,250,000	3,099,734	31,250,000	3,099,734
2029	-	16,382,800	-	24,736,000	25,400,000	3.774%	2,003,994	12	2,705,000	999,718	31,250,000	1,856,774	31,250,000	1,856,774
2030	-	16,382,800	-	24,736,000	27,700,000	3.774%	1,045,398	13	3,855,000	521,502	31,250,000	615,524	31,250,000	615,524
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														
	\$280,000,000	\$262,124,800	\$ 400,000,000	\$358,389,700	\$ 189,600,000		\$ 63,447,899	\$ 94	,825,000	\$31,183,987	\$ 175,000,000	\$62,781,078	\$ 175,000,000	\$62,781,078

^{*} 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] 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%.

⁽⁵⁾ 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.

 $^{^{(6)}}$ Series 2008A-2 interest is estimated at 3.764% based on an associated variable-to-fixed interest rate swap agreement.

⁽⁷⁾ Series 2007A-1a interest is estimated at 3.972% based on an associated variable-to-fixed interest rate swap agreement.

 $^{^{(8)}}$ Series 2007A-1b interest is estimated at 3.972% 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 Series A-2d							
Synth Fixed Rate (3.9925%);							
Callable 30-45 days' notice;							
Uninsured							

TOTALS

Fiscal	Uninsured				
Year*	Principal	3.9925% Int. (10)	Principal	Interest	Debt Service
2019	-	\$3,493,438	\$126,440,000	\$296,366,159	⁽¹¹⁾ \$422,806,159
2020	-	3,493,438	133,550,000	302,682,118	436,232,118
2021	-	3,493,438	140,260,000	294,488,851	434,748,851
2022	-	3,493,438	147,270,000	287,496,626	434,766,626
2023	-	3,493,438	154,685,000	280,154,824	434,839,824
2024	6,250,000	3,367,990	160,290,000	271,818,534	432,108,534
2025	9,375,000	3,055,220	192,155,000	264,362,797	456,517,797
2026	9,375,000	2,680,923	237,155,000	255,716,284	492,871,284
2027	15,625,000	2,180,835	247,325,000	244,282,403	491,607,403
2028	15,625,000	1,557,866	259,265,000	233,102,062	492,367,062
2029	15,625,000	933,179	271,700,000	221,359,989	493,059,989
2030	15,625,000	309,350	282,860,000	209,043,349	491,903,349
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
	\$ 87,500,000	\$31,552,549	\$6,197,545,000	\$4,336,632,395	\$10,534,177,395

^{*} 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.

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

⁽¹¹⁾ FY 2019 paid interest includes: (i) \$418,689.17 interest through 1/9/19 on the: (a) Series 2007A-2a/b/c bonds refunded 1/10/19 and related swap terminated effective 1/10/19; (b) Series 2008A-1a bonds refunded 1/10/19; and (c) Series 2009A principal due 1/1/20-1/1/24 refunded 1/10/2019; and (ii) \$6,925,178 of Series 2010A-1 interest paid 7/1/19.