

WASHINGTON SUBURBAN SANITARY
DISTRICT, MARYLAND
(MONTGOMERY AND PRINCE GEORGE'S COUNTIES, MARYLAND)

BOND & NOTE INFORMATION



JUNE 30, 2019

FOREWARD

This booklet contains detailed information concerning the various purpose bond and note issues of the Washington Suburban Sanitary District.

Its intent is to familiarize those who may be interested in the debt structure of the District and to assist in the analysis of the overall debt.

In FY 2010 and FY 2011, the Commission issued Build America Bonds – Direct Payment to the Issuer (BABs). Throughout this book, interest rates associated with BABs are shown at the coupon rate for the respective maturities.

This information has been taken from the records of the Finance Office, 14501 Sweitzer Lane, Laurel, MD 20707. Call 301-206-7050 for questions or comments regarding its content.

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**SUMMARY STATEMENT OF BONDS/NOTES PAYABLE
PRINCIPAL DEBT AMOUNTS OUTSTANDING AND CHANGES
JUNE 30, 2018 TO JUNE 30, 2019**

	OUTSTANDING 6/30/2018	% OF TOTAL	BONDS/NOTES DEFEASED/ REDEEMED	% OF TOTAL	BONDS/NOTES ISSUED	% OF TOTAL	OUTSTANDING 6/30/2019	% OF TOTAL
General Construction Bonds	\$142,209,641	4.72	\$40,832,477	14.21	\$33,064,700	7.56	\$134,441,864	4.25
Water Supply Bonds	1,153,563,855	38.30	106,509,117	37.07	181,044,380	41.40	1,228,099,118	38.84
Sewage Disposal Bonds	1,468,276,503	48.74	124,118,406	43.20	215,230,920	49.22	1,559,389,018	49.31
Maryland Water Quality Bonds(2)	248,126,998	8.24	15,867,110	5.52	7,937,894	1.82	240,197,781	7.60
TOTAL BONDS	\$3,012,176,997	100.00	\$287,327,110	100.00	\$437,277,894	100.00	\$3,162,127,781	100.00
AVG. INT. RATE - ALL BONDS(3)		3.82%						
Water, Sewer and General Notes	190,200,000		12,400,000				177,800,000	
TOTAL	\$3,202,376,997		\$299,727,110		\$437,277,894		\$3,339,927,781	

**SUMMARY OF BONDS ISSUED, REDEEMED/DEFEASED AND PAYABLE
AS OF JUNE 30, 2019**

	TOTAL BONDS ISSUED	% OF TOTAL	TOTAL BONDS DEFEASED/ REDEEMED	% OF TOTAL	BONDS PAYABLE 6/30/2019	% OF TOTAL
General Construction Bonds(1)	\$3,707,226,135	32.85	\$3,572,784,271	43.97	\$134,441,864	4.25
Water Supply Bonds	3,491,077,168	30.93	2,262,978,050	27.85	1,228,099,118	38.84
Sewage Disposal Bonds	3,680,561,798	32.61	2,121,172,780	26.11	1,559,389,018	49.31
Maryland Water Quality Bonds(2)	408,099,547	3.61	167,901,766	2.07	240,197,781	7.60
TOTAL	\$11,286,964,648	100.00	\$8,124,836,867	100.00	\$3,162,127,781	100.00

(1) Administration Bldg. Construction Bonds are included in the General Construction Bond statistics throughout this booklet.

(2) The Maryland Water Quality Bonds are issued for Water, Sewer and General Construction projects.

(3) Coupon Rate, which does not include premiums or Build America Bond Subsidies.

WASHINGTON SUBURBAN SANITARY COMMISSION
WATER, SEWER AND GENERAL NOTE PROGRAM
AS OF JUNE 30, 2019

On June 24, 2003 the Commission established a new Bond Anticipation Note (BAN) program, the Multi-Modal Bond Anticipation Notes Program, 2003 Series. Notes issued in the new program were initially sold in two separate series (A & B), each backed by a line of credit that acts as a guarantee of liquidity in the event that the notes cannot be remarketed. The notes are remarketed weekly by WSSC's remarketing agents at the prevailing weekly tax-exempt interest rate. The Commission may, under certain conditions of the Note Order, effect a change in rate remarketing mode. On June 7, 2006, WSSC replaced the series "B" with series "A" notes and terminated the line of credit for the series "B" notes. On August 28, 2013, WSSC replaced the series "A" notes with two separate series (A&B), each backed by their own liquidity provider. On August 31, 2016, the Commission issued \$42,500,000 in Series "A" notes and \$52,500,000 in Series "B" notes. The Commission redeemed \$12,400,000 in BANs on June 27, 2019 as part of the water, sewer, and general debt service amortization.

ALLOCATION OF NOTE PROCEEDS

	Notes Outstanding 6/30/18	Notes Issued	Notes Redeemed	Notes Outstanding 6/30/19
Water	\$ 106,800,000	\$ -0-	\$ 6,900,000	\$ 99,900,000
Sewer	53,600,000	-0-	3,400,000	50,200,000
General	29,800,000	-0-	2,100,000	27,700,000
Total Notes	\$ 190,200,000	\$ -0-	\$ 12,400,000	\$ 177,800,000

WASHINGTON SUBURBAN SANITARY COMMISSION
WATER, SEWER AND GENERAL NOTE PROGRAM
ILLUSTRATIVE ANALYSIS OF ESTIMATED DEBT SERVICE ON NOTES OUTSTANDING
AS OF JUNE 30, 2019

ALLOCATION FOR WATER				ALLOCATION FOR SEWER				ALLOCATION FOR GENERAL			
FISCAL	INTEREST	PRINCIPAL	TOTAL(1)	FISCAL	INTEREST	PRINCIPAL	TOTAL(1)	FISCAL	INTEREST	PRINCIPAL	TOTAL(1)
2020	\$3,496,500	\$6,900,000	\$10,396,500	2020	\$1,757,000	\$3,400,000	\$5,157,000	2020	\$969,500	\$2,100,000	\$3,069,500
2021	3,255,000	6,900,000	10,155,000	2021	1,638,000	3,400,000	5,038,000	2021	896,000	2,100,000	2,996,000
2022	3,013,500	6,700,000	9,713,500	2022	1,519,000	3,400,000	4,919,000	2022	822,500	2,100,000	2,922,500
2023	4,367,000	6,700,000	11,067,000	2023	2,200,000	3,400,000	5,600,000	2023	1,177,000	2,100,000	3,277,000
2024	3,998,500	6,200,000	10,198,500	2024	2,013,000	3,400,000	5,413,000	2024	1,061,500	1,600,000	2,661,500
2025	3,657,500	6,200,000	9,857,500	2025	1,826,000	3,400,000	5,226,000	2025	973,500	1,600,000	2,573,500
2026	3,316,500	6,200,000	9,516,500	2026	1,639,000	3,200,000	4,839,000	2026	885,500	1,600,000	2,485,500
2027	2,975,500	6,200,000	9,175,500	2027	1,463,000	3,200,000	4,663,000	2027	797,500	1,600,000	2,397,500
2028	2,634,500	6,200,000	8,834,500	2028	1,287,000	3,200,000	4,487,000	2028	709,500	1,600,000	2,309,500
2029	2,293,500	6,200,000	8,493,500	2029	1,111,000	3,200,000	4,311,000	2029	621,500	1,600,000	2,221,500
2030	1,952,500	6,200,000	8,152,500	2030	935,000	3,200,000	4,135,000	2030	533,500	1,600,000	2,133,500
2031	1,611,500	6,200,000	7,811,500	2031	759,000	3,150,000	3,909,000	2031	445,500	1,600,000	2,045,500
2032	1,270,500	6,200,000	7,470,500	2032	585,750	3,150,000	3,735,750	2032	357,500	1,600,000	1,957,500
2033	929,500	5,700,000	6,629,500	2033	412,500	3,100,000	3,512,500	2033	269,500	1,600,000	1,869,500
2034	616,000	4,700,000	5,316,000	2034	242,000	2,400,000	2,642,000	2034	181,500	1,100,000	1,281,500
2035	357,500	3,800,000	4,157,500	2035	110,000	1,100,000	1,210,000	2035	121,000	1,100,000	1,221,000
2036	148,500	2,700,000	2,848,500	2036	49,500	900,000	949,500	2036	60,500	1,100,000	1,160,500
	0	0	0		0	0	0		0	0	0
	<u>\$39,894,000</u>	<u>\$99,900,000</u>	<u>\$139,794,000</u>		<u>\$19,546,750</u>	<u>\$50,200,000</u>	<u>\$69,746,750</u>		<u>\$10,883,000</u>	<u>\$27,700,000</u>	<u>\$38,583,000</u>

(1) The note program allows the notes to be replaced with bonds. For illustrative purposes it is assumed that the interest on notes was computed at an assumed rate of 3.5% and that the remaining outstanding water, sewer and general BAN's as of June 30, 2019 will be redeemed in 3 years by bonds at an assumed rate of 5.5%. The combined life of the bonds and notes will have an equivalent amortization period of 20 years from the original issue date of the notes.

WASHINGTON SUBURBAN SANITARY COMMISSION
 BUILD AMERICA BONDS (BABs) SUBSIDY
 AS OF JUNE 30, 2019

The American Recovery and Reinvestment Act of 2009 created the Build America Bonds program. This program is intended to assist state and local municipalities in issuing debt. One provision of the program is for issuance of taxable Build America Bonds to finance capital expenditures while providing a federal subsidy of 35% of the interest payment to the Issuer. On September 22, 2009, the Commission issued \$180M Consolidated Public Improvement Bonds in two series; \$90M in Tax-Exempt Bonds, Series 2009A and \$90M in Build America Bonds - Direct Payment to the Issuer, Series 2009B. On September 29, 2010, the Commission issued \$240M Consolidated Public Improvement Bonds in two series; \$120M in Tax-Exempt Bonds, Series 2010A and \$120M in Build America Bonds - Direct Payment to the Issuer, Series 2010B. The subsidy for the Series 2009B and 2010B BABs is payable over the life of the respective issues, with the aggregate interest and associated subsidy shown below. **On June 1, 2019, the Series 2009B BABs was fully defeased and redeemed.** Throughout this book, interest rates and interest payable associated with BABs are shown at the coupon rate for the respective maturities.

FISCAL	ALLOCATION FOR WATER(1)			ALLOCATION FOR SEWER(1)			ALLOCATION FOR GENERAL(1)		
	INTEREST PAYMENT	BAB SUBSIDY	NET INTEREST	INTEREST PAYMENT	BAB SUBSIDY	NET INTEREST	INTEREST PAYMENT	BAB SUBSIDY	NET INTEREST
2020	\$2,130,000	(\$745,500)	\$1,384,500	\$2,556,000	(\$894,600)	\$1,661,400	\$426,000	(\$149,100)	\$276,900
2021	2,130,000	(745,500)	1,384,500	2,556,000	(894,600)	1,661,400	426,000	(149,100)	276,900
2022	1,952,500	(683,375)	1,269,125	2,343,000	(820,050)	1,522,950	390,500	(136,675)	253,825
2023	1,767,500	(618,625)	1,148,875	2,121,000	(742,350)	1,378,650	353,500	(123,725)	229,775
2024	1,575,000	(551,250)	1,023,750	1,890,000	(661,500)	1,228,500	315,000	(110,250)	204,750
2025	1,375,000	(481,250)	893,750	1,650,000	(577,500)	1,072,500	275,000	(96,250)	178,750
2026	1,165,000	(407,750)	757,250	1,398,000	(489,300)	908,700	233,000	(81,550)	151,450
2027	945,000	(330,750)	614,250	1,134,000	(396,900)	737,100	189,000	(66,150)	122,850
2028	717,500	(251,125)	466,375	861,000	(301,350)	559,650	143,500	(50,225)	93,275
2029	482,500	(168,875)	313,625	579,000	(202,650)	376,350	96,500	(33,775)	62,725
2030	242,500	(84,875)	157,625	291,000	(101,850)	189,150	48,500	(16,975)	31,525
	<u>\$14,482,500</u>	<u>(\$5,068,875)</u>	<u>\$9,413,625</u>	<u>\$17,379,000</u>	<u>(\$6,082,650)</u>	<u>\$11,296,350</u>	<u>\$2,896,500</u>	<u>(\$1,013,775)</u>	<u>\$1,882,725</u>

(1) On December 13, 2017, the Commission completed a crossover refunding for the 2009 Build America Bonds - Direct Payment to the Issuer, Series 2009B. The crossover date for the bonds was June 1, 2019, at which time the 2009 BABs, series 2009B were fully defeased and redeemed.

NOTE: Due to government sequestration enacted in March 2013, the December 1, 2018 and June 1, 2019 BAB subsidies were each reduced by 2.17%. For the purposes of this schedule, we are assuming that the remainder of the subsidy payments will be made at the original 35%.

WASHINGTON SUBURBAN SANITARY COMMISSION
OVERLAPPING DEBT AS OF JUNE 30, 2019

PRINCE GEORGE'S COUNTY

TOTAL WSSC OUTSTANDING DEBT

General Construction, Water Supply, Sewage Disposal, Maryland Water Quality Bonds
and Notes

\$ 935,847,764

Total Prince George's County Portion

935,847,764

MONTGOMERY COUNTY

TOTAL WSSC OUTSTANDING DEBT

General Construction, Water Supply, Sewage Disposal, Maryland Water Quality Bonds
and Notes

\$ 2,404,080,017

Total Montgomery County Portion

2,404,080,017

TOTAL DEBT

\$ 3,339,927,781

(1) Apportionment of assessed valuation as of 6/30/18 for Prince George's County and Montgomery County for taxation purposes.

	<u>AMOUNT</u>	<u>PERCENT</u>
Prince George's County	\$83,217,512,470	28.02
Montgomery County	213,815,360,997	71.98
Total Apportionment	<u>\$297,032,873,467</u>	<u>100.00</u>

SUMMARY OF DEBT SERVICE OUTSTANDING
BY TYPES OF BONDS ISSUED
AS OF JUNE 30, 2019

	INTEREST	BABs SUBSIDY (2)(3)	PRINCIPAL	TOTAL
GENERAL CONSTRUCTION BONDS	\$37,732,157.17	(\$1,013,775.00)	\$134,441,864.26	\$171,160,246.43
WATER SUPPLY BONDS	654,747,809.55	(5,068,875.00)	1,228,099,117.22	1,877,778,051.77
SEWAGE DISPOSAL BONDS	823,975,798.47	(6,082,650.00)	1,559,389,018.62	2,377,282,167.09
MARYLAND WATER QUALITY BONDS (1)	16,427,362.25	0.00	240,197,781.00	256,625,143.25
TOTAL	\$1,532,883,127.44	(\$12,165,300.00)	\$3,162,127,781.10	\$4,682,845,608.54

(1) State of Maryland municipal bonds issued to provide funds for the design, construction, reconstruction, extension or enlargement of the water and sewerage systems of WSSC.

(2) Due to government sequestration enacted in March 2013, the December 1, 2018 and June 1, 2019 BAB subsidies were each reduced by 2.17%. For the purposes of this schedule, we are assuming that the remainder of the subsidy payments will be made at the original 35%.

(3) On December 13, 2017, the Commission completed a crossover refunding for the 2009 Build America Bonds - Direct Payment to the Issuer. The crossover date for the bonds was June 1, 2019, at which time the 2009 BABs, series 2009B were fully defeased and redeemed.

DEBT SERVICE PAYABLE ON ALL BONDS OUTSTANDING
AS OF JUNE 30, 2019

FISCAL	INTEREST	BABs SUBSIDY (1)(2)	PRINCIPAL	TOTAL
2020	\$120,694,789.80	(\$1,789,200.00)	\$155,252,787.00	\$274,158,376.80
2021	114,024,759.62	(1,789,200.00)	157,729,747.65	269,965,307.27
2022	107,639,651.61	(1,640,100.00)	151,737,441.36	257,736,992.97
2023	101,414,557.00	(1,484,700.00)	150,004,352.84	249,934,209.84
2024	95,278,254.91	(1,323,000.00)	150,281,678.15	244,236,933.06
2025	89,210,116.15	(1,155,000.00)	149,704,592.00	237,759,708.15
2026	83,742,013.80	(978,600.00)	143,402,946.00	226,166,359.80
2027	78,707,092.76	(793,800.00)	140,773,213.00	218,686,505.76
2028	73,609,877.89	(602,700.00)	139,599,767.00	212,606,944.89
2029	68,557,619.64	(405,300.00)	132,664,869.00	200,817,188.64
2030	63,900,078.58	(203,700.00)	125,521,161.00	189,217,539.58
2031	59,456,053.76	0.00	115,993,755.00	175,449,808.76
2032	55,542,949.21	0.00	103,936,778.00	159,479,727.21
2033	51,968,708.14	0.00	86,745,842.00	138,714,550.14
2034	48,835,571.18	0.00	89,644,429.00	138,480,000.18
2035	45,768,203.18	0.00	81,660,275.00	127,428,478.18
2036	42,535,626.56	0.00	80,995,881.00	123,531,507.56
2037	39,365,050.27	0.00	83,965,940.00	123,330,990.27
2038	36,046,589.10	0.00	87,115,999.00	123,162,588.10
2039	32,463,023.30	0.00	90,566,059.00	123,029,082.30
2040	28,889,957.11	0.00	93,980,267.00	122,870,224.11
2041	25,182,068.32	0.00	97,540,000.00	122,722,068.32
2042	21,333,865.29	0.00	101,240,000.00	122,573,865.29
2043	17,345,900.01	0.00	105,090,000.00	122,435,900.01
2044	13,331,938.60	0.00	108,955,000.10	122,286,938.70
2045	9,097,720.28	0.00	93,935,000.00	103,032,720.28
2046	5,480,390.28	0.00	74,975,000.00	80,455,390.28
2047	2,647,984.43	0.00	46,950,000.00	49,597,984.43
2048	812,716.67	0.00	22,165,000.00	22,977,716.67
	<u>\$1,532,883,127.44</u>	<u>(\$12,165,300.00)</u>	<u>\$3,162,127,781.10</u>	<u>\$4,682,845,608.54</u>

(1) Due to government sequestration enacted in March 2013, the December 1, 2018 and June 1, 2019 BAB subsidies were each reduced by 2.17%. For the purposes of this schedule, we are assuming that the remainder of the subsidy payments will be made at the original 35%.

(2) On December 13, 2017, the Commission completed a crossover refunding for the 2009 Build America Bonds - Direct Payment to the Issuer. The crossover date for the bonds was June 1, 2019, at which time the 2009 BABs, series 2009B were fully defeased and redeemed.

DEBT SERVICE PAYABLE ON GENERAL CONSTRUCTION BONDS
OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	BABs SUBSIDY (1)(2)	PRINCIPAL	TOTAL
2020	\$5,742,350.38	(\$149,100.00)	\$19,632,863.03	\$25,226,113.41
2021	4,841,020.05	(149,100.00)	18,378,085.14	23,070,005.19
2022	4,012,677.75	(136,675.00)	15,112,659.62	18,988,662.37
2023	3,330,352.12	(123,725.00)	12,977,616.88	16,184,244.00
2024	2,714,932.56	(110,250.00)	11,336,908.87	13,941,591.43
2025	2,212,070.26	(96,250.00)	10,111,118.15	12,226,938.41
2026	1,818,957.05	(81,550.00)	5,879,076.56	7,616,483.61
2027	1,605,451.17	(66,150.00)	5,956,674.65	7,495,975.82
2028	1,378,541.24	(50,225.00)	6,037,761.36	7,366,077.60
2029	1,149,446.25	(33,775.00)	4,514,100.00	5,629,771.25
2030	964,958.33	(16,975.00)	3,390,000.00	4,337,983.33
2031	835,200.00	0.00	2,410,000.00	3,245,200.00
2032	751,033.33	0.00	1,490,000.00	2,241,033.33
2033	693,150.00	0.00	780,000.00	1,473,150.00
2034	654,666.67	0.00	820,000.00	1,474,666.67
2035	621,750.00	0.00	855,000.00	1,476,750.00
2036	587,450.00	0.00	885,000.00	1,472,450.00
2037	551,916.67	0.00	925,000.00	1,476,916.67
2038	514,800.00	0.00	960,000.00	1,474,800.00
2039	476,266.67	0.00	1,000,000.00	1,476,266.67
2040	436,133.33	0.00	1,040,000.00	1,476,133.33
2041	394,400.00	0.00	1,080,000.00	1,474,400.00
2042	351,050.00	0.00	1,125,000.00	1,476,050.00
2043	305,900.00	0.00	1,170,000.00	1,475,900.00
2044	258,950.00	0.00	1,215,000.00	1,473,950.00
2045	210,200.00	0.00	1,260,000.00	1,470,200.00
2046	159,616.67	0.00	1,315,000.00	1,474,616.67
2047	106,850.00	0.00	1,365,000.00	1,471,850.00
2048	52,066.67	0.00	1,420,000.00	1,472,066.67
	<u>\$37,732,157.17</u>	<u>(\$1,013,775.00)</u>	<u>\$134,441,864.26</u>	<u>\$171,160,246.43</u>

(1) Due to government sequestration enacted in March 2013, the December 1, 2018 and June 1, 2019 BAB subsidies were each reduced by 2.17%. For the purposes of this schedule, we are assuming that the remainder of the subsidy payments will be made at the original 35%.

(2) On December 13, 2017, the Commission completed a crossover refunding for the 2009 Build America Bonds - Direct Payment to the Issuer, Series 2009B. The crossover date for the bonds was June 1, 2019, at which time the 2009 BABs, series 2009B were fully defeased and redeemed.

DEBT SERVICE PAYABLE ON WATER SUPPLY BONDS
OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	BABs SUBSIDY (1)(2)	PRINCIPAL	TOTAL
2020	\$49,895,910.38	(\$745,500.00)	\$52,959,199.68	\$102,109,610.06
2021	47,405,729.41	(745,500.00)	53,483,517.50	100,143,746.91
2022	45,000,258.39	(683,375.00)	53,093,083.50	97,409,966.89
2023	42,600,992.16	(618,625.00)	53,169,052.75	95,151,419.91
2024	40,192,683.66	(551,250.00)	54,261,850.02	93,903,283.68
2025	37,758,459.71	(481,250.00)	55,436,126.00	92,713,335.71
2026	35,569,170.76	(407,750.00)	55,190,489.89	90,351,910.65
2027	33,481,485.64	(330,750.00)	53,635,325.99	86,786,061.63
2028	31,374,602.51	(251,125.00)	52,061,148.63	83,184,626.14
2029	29,310,856.40	(168,875.00)	48,301,334.40	77,443,315.80
2030	27,441,769.41	(84,875.00)	45,155,909.55	72,512,803.96
2031	25,660,725.34	0.00	41,191,868.76	66,852,594.10
2032	24,101,097.68	0.00	37,731,182.98	61,832,280.66
2033	22,639,163.60	0.00	31,422,490.21	54,061,653.81
2034	21,336,777.91	0.00	32,619,890.44	53,956,668.35
2035	20,048,571.91	0.00	33,803,982.75	53,852,554.66
2036	18,647,835.02	0.00	35,111,730.07	53,759,565.09
2037	17,269,956.27	0.00	36,391,925.40	53,661,881.67
2038	15,826,775.18	0.00	37,745,006.76	53,571,781.94
2039	14,262,201.96	0.00	39,244,967.13	53,507,169.09
2040	12,706,576.16	0.00	40,714,721.44	53,421,297.60
2041	11,092,655.73	0.00	42,255,030.77	53,347,686.50
2042	9,417,764.05	0.00	43,849,726.10	53,267,490.15
2043	7,682,635.84	0.00	45,508,876.45	53,191,512.29
2044	5,942,135.25	0.00	47,167,543.92	53,109,679.17
2045	4,094,565.07	0.00	42,375,532.87	46,470,097.94
2046	2,453,895.62	0.00	33,295,403.26	35,749,298.88
2047	1,184,591.86	0.00	21,432,200.00	22,616,791.86
2048	347,966.67	0.00	9,490,000.00	9,837,966.67
	<u>\$654,747,809.55</u>	<u>(\$5,068,875.00)</u>	<u>\$1,228,099,117.22</u>	<u>\$1,877,778,051.77</u>

(1) Due to government sequestration enacted in March 2013, the December 1, 2018 and June 1, 2019 BAB subsidies were each reduced by 2.17%. For the purposes of this schedule, we are assuming that the remainder of the subsidy payments will be made at the original 35%.

(2) On December 13, 2017, the Commission completed a crossover refunding for the 2009 Build America Bonds - Direct Payment to the Issuer. The crossover date for the bonds was June 1, 2019, at which time the 2009 BABs, series 2009B were fully defeased and redeemed.

DEBT SERVICE PAYABLE ON SEWAGE DISPOSAL BONDS
OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	BABs SUBSIDY (1)(2)	PRINCIPAL	TOTAL
2020	\$62,841,169.67	(\$894,600.00)	\$64,207,937.29	\$126,154,506.96
2021	59,765,445.71	(894,600.00)	65,963,397.36	124,834,243.07
2022	56,802,758.20	(820,050.00)	65,354,256.88	121,336,965.08
2023	53,830,827.80	(742,350.00)	65,538,330.37	118,626,808.17
2024	50,887,943.37	(661,500.00)	66,951,241.11	117,177,684.48
2025	47,915,589.34	(577,500.00)	68,462,755.85	115,800,845.19
2026	45,170,837.89	(489,300.00)	68,290,433.55	112,971,971.44
2027	42,567,910.57	(396,900.00)	67,007,999.36	109,179,009.93
2028	39,936,584.74	(301,350.00)	67,196,090.01	106,831,324.75
2029	37,309,371.67	(202,650.00)	65,699,565.60	102,806,287.27
2030	34,837,239.96	(101,850.00)	62,694,090.45	97,429,480.41
2031	32,437,157.57	0.00	57,978,131.24	90,415,288.81
2032	30,301,328.73	0.00	50,503,817.02	80,805,145.75
2033	28,380,082.63	0.00	40,287,509.79	68,667,592.42
2034	26,721,959.58	0.00	41,815,109.56	68,537,069.14
2035	25,072,428.24	0.00	43,331,017.25	68,403,445.49
2036	23,300,124.57	0.00	44,993,269.93	68,293,394.50
2037	21,543,019.42	0.00	46,643,074.60	68,186,094.02
2038	19,704,915.65	0.00	48,404,993.24	68,109,908.89
2039	17,724,516.65	0.00	50,315,032.87	68,039,549.52
2040	15,747,246.06	0.00	52,225,278.56	67,972,524.62
2041	13,695,012.59	0.00	54,204,969.23	67,899,981.82
2042	11,565,051.24	0.00	56,265,273.90	67,830,325.14
2043	9,357,364.17	0.00	58,411,123.55	67,768,487.72
2044	7,130,853.35	0.00	60,572,456.18	67,703,309.53
2045	4,792,955.21	0.00	50,299,467.13	55,092,422.34
2046	2,866,877.99	0.00	40,364,596.74	43,231,474.73
2047	1,356,542.57	0.00	24,152,800.00	25,509,342.57
2048	412,683.33	0.00	11,255,000.00	11,667,683.33
	<u>\$823,975,798.47</u>	<u>(\$6,082,650.00)</u>	<u>\$1,559,389,018.62</u>	<u>\$2,377,282,167.09</u>

(1) Due to government sequestration enacted in March 2013, the December 1, 2018 and June 1, 2019 BAB subsidies were each reduced by 2.17%. For the purposes of this schedule, we are assuming that the remainder of the subsidy payments will be made at the original 35%.

(2) On December 13, 2017, the Commission completed a crossover refunding for the 2009 Build America Bonds - Direct Payment to the Issuer. The crossover date for the bonds was June 1, 2019, at which time the 2009 BABs, series 2009B were fully defeased and redeemed.

DEBT SERVICE ON ALL MARYLAND WATER QUALITY BONDS(1)
OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	PRINCIPAL	TOTAL
2020	\$2,215,359.37	\$18,452,787.00	\$20,668,146.37
2021	2,012,564.45	19,904,747.65	21,917,312.10
2022	1,823,957.27	18,177,441.36	20,001,398.63
2023	1,652,384.92	18,319,352.84	19,971,737.76
2024	1,482,695.32	17,731,678.15	19,214,373.47
2025	1,323,996.84	15,694,592.00	17,018,588.84
2026	1,183,048.10	14,042,946.00	15,225,994.10
2027	1,052,245.38	14,173,213.00	15,225,458.38
2028	920,149.40	14,304,767.00	15,224,916.40
2029	787,945.32	14,149,869.00	14,937,814.32
2030	656,110.88	14,281,161.00	14,937,271.88
2031	522,970.85	14,413,755.00	14,936,725.85
2032	389,489.47	14,211,778.00	14,601,267.47
2033	256,311.91	14,255,842.00	14,512,153.91
2034	122,167.02	14,389,429.00	14,511,596.02
2035	25,453.03	3,670,275.00	3,695,728.03
2036	216.97	5,881.00	6,097.97
2037	157.91	5,940.00	6,097.91
2038	98.27	5,999.00	6,097.27
2039	38.02	6,059.00	6,097.02
2040	1.56	267.00	268.56
	\$16,427,362.25	\$240,197,781.00	\$256,625,143.25

(1) State of Maryland municipal bonds issued to provide funds for Water, Sewer and General Construction projects.

WASHINGTON SUBURBAN SANITARY COMMISSION
SUMMARY STATEMENT OF MARYLAND WATER QUALITY BONDS BY PROJECT
OUTSTANDING AS OF JUNE 30, 2019
(INCLUDES ALL OPEN AND CLOSED PROJECTS)

PROJECT	STATUS	AGGREGATE INTEREST	AGGREGATE PRINCIPAL	AGGREGATE TOTAL
Consolidated Laboratory Facility	Closed	\$30,133.54	\$1,158,984.00	\$1,189,117.54
Potomac Water Filtration Plant Solids Handling	Closed	52,616.66	2,023,716.00	2,076,332.66
Piscataway WWTP Biological Nutrient Removal	Closed	14,378.00	553,000.00	567,378.00
Blue Plains WWTP Additional Chemical Systems	Closed	419,703.79	12,701,798.00	13,121,501.79
Piscataway WWTP Sludge Dewatering Upgrade	Closed	65,358.35	2,300,000.00	2,365,358.35
Sewerage Energy Performance Projects	Closed	61,258.53	2,655,668.00	2,716,926.53
Western Branch WWTP Filter Upgrade	Closed	114,609.31	2,464,896.00	2,579,505.31
Western Branch & Seneca WWTP ENR and Facility Upgrade	Closed	2,351,279.82	38,011,973.00	40,363,252.82
Blue Plains WWTP ENR Upgrade (Tunnel) & New Digestion Facilities	Closed	6,200,018.69	100,232,613.00	106,432,631.69
Blue Plains WWTP New Digestion Facilities - Combined Heat & Power (CHP)	Closed	804,670.89	12,188,125.00	12,992,795.89
Blue Plains WWTP New Digestion Facilities - Combined Heat & Power (CHP) 2nd Loan	Closed	1,014,766.71	12,233,934.00	13,248,700.71
Potomac Vista Water System Project	Closed	11,556.12	110,704.00	122,260.12
Blue Plains WWTP New Digestion Facilities - Combined Heat & Power (CHP) 3rd Loan	Open	217,761.07	4,953,051.00	5,170,812.07
Blue Plains WWTP ENR Upgrade - ECF & TDPS	Open	4,976,154.91	43,314,396.00	48,290,550.91
Piscataway WWTP Bio Energy Project	Open	93,095.86	5,294,922.00	5,388,017.86
		\$16,427,362.25	\$240,197,780.00	\$256,625,142.25

DEBT SERVICE ON MARYLAND WATER QUALITY BONDS
CONSOLIDATED LABORATORY FACILITY
OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	PRINCIPAL	TOTAL
2020	\$22,020.68	\$579,494.00	\$601,514.68
2021	8,112.86	579,490.00	587,602.86
	<u>\$30,133.54</u>	<u>\$1,158,984.00</u>	<u>\$1,189,117.54</u>

DEBT SERVICE ON MARYLAND WATER QUALITY BONDS
 POTOMAC WATER FILTRATION PLANT SOLIDS HANDLING
 OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	PRINCIPAL	TOTAL
2020	\$38,450.62	\$1,011,856.00	\$1,050,306.62
2021	14,166.04	1,011,860.00	1,026,026.04
	<u>\$52,616.66</u>	<u>\$2,023,716.00</u>	<u>\$2,076,332.66</u>

DEBT SERVICE ON MARYLAND WATER QUALITY BONDS
PISCATAWAY WWTP BIOLOGICAL NUTRIENT REMOVAL
OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	PRINCIPAL	TOTAL
2020	\$10,507.00	\$276,500.00	\$287,007.00
2021	3,871.00	276,500.00	280,371.00
	<u>\$14,378.00</u>	<u>\$553,000.00</u>	<u>\$567,378.00</u>

DEBT SERVICE ON MARYLAND WATER QUALITY BONDS
 BLUE PLAINS WWTP ADDITIONAL CHEMICAL SYSTEMS
 OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	PRINCIPAL	TOTAL
2020	\$129,708.71	\$2,184,232.00	\$2,313,940.71
2021	105,682.16	2,184,232.00	2,289,914.16
2022	81,655.61	2,184,232.00	2,265,887.61
2023	57,629.05	2,184,232.00	2,241,861.05
2024	33,602.50	2,184,232.00	2,217,834.50
2025	11,425.76	1,780,638.00	1,792,063.76
	<u>\$419,703.79</u>	<u>\$12,701,798.00</u>	<u>\$13,121,501.79</u>

DEBT SERVICE ON MARYLAND WATER QUALITY BONDS
PISCATAWAY WWTP SLUDGE DEWATERING UPGRADE
OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	PRINCIPAL	TOTAL
2020	\$23,191.67	\$460,000.00	\$483,191.67
2021	18,131.67	460,000.00	478,131.67
2022	13,071.67	460,000.00	473,071.67
2023	8,011.67	460,000.00	468,011.67
2024	2,951.67	460,000.00	462,951.67
	<u>\$65,358.35</u>	<u>\$2,300,000.00</u>	<u>\$2,365,358.35</u>

DEBT SERVICE ON MARYLAND WATER QUALITY BONDS
SEWERAGE ENERGY PERFORMANCE PROJECTS
OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	PRINCIPAL	TOTAL
2020	\$26,219.15	\$653,062.00	\$679,281.15
2021	19,002.54	660,246.00	679,248.54
2022	11,706.55	667,509.00	679,215.55
2023	4,330.29	674,851.00	679,181.29
	<u>\$61,258.53</u>	<u>\$2,655,668.00</u>	<u>\$2,716,926.53</u>

DEBT SERVICE ON MARYLAND WATER QUALITY BONDS
 WESTERN BRANCH WASTEWATER TREATMENT PLANT FILTER UPGRADE
 OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	PRINCIPAL	TOTAL
2020	\$23,552.70	\$263,104.00	\$286,656.70
2021	20,910.70	265,735.00	286,645.70
2022	18,242.28	268,392.00	286,634.28
2023	15,547.17	271,076.00	286,623.17
2024	12,825.11	273,787.00	286,612.11
2025	10,075.83	276,525.00	286,600.83
2026	7,299.06	279,290.00	286,589.06
2027	4,494.52	282,083.00	286,577.52
2028	1,661.94	284,904.00	286,565.94
	<u>\$114,609.31</u>	<u>\$2,464,896.00</u>	<u>\$2,579,505.31</u>

DEBT SERVICE ON MARYLAND WATER QUALITY BONDS
 WESTERN BRANCH & SENECA WWTP ENR AND FACILITY UPGRADE
 OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	PRINCIPAL	TOTAL
2020	\$296,111.67	\$2,395,235.00	\$2,691,346.67
2021	276,885.92	2,414,397.00	2,691,282.92
2022	257,506.36	2,433,712.00	2,691,218.36
2023	237,971.76	2,453,182.00	2,691,153.76
2024	218,280.90	2,472,807.00	2,691,087.90
2025	198,432.49	2,492,589.00	2,691,021.49
2026	178,425.31	2,512,530.00	2,690,955.31
2027	158,258.06	2,532,630.00	2,690,888.06
2028	137,929.49	2,552,892.00	2,690,821.49
2029	117,438.28	2,573,315.00	2,690,753.28
2030	96,783.14	2,593,901.00	2,690,684.14
2031	75,962.76	2,614,652.00	2,690,614.76
2032	54,975.82	2,635,570.00	2,690,545.82
2033	33,820.97	2,656,654.00	2,690,474.97
2034	12,496.89	2,677,907.00	2,690,403.89
	<u>\$2,351,279.82</u>	<u>\$38,011,973.00</u>	<u>\$40,363,252.82</u>

DEBT SERVICE ON MARYLAND WATER QUALITY BONDS
 BLUE PLAINS WWTP ENR UPGRADE (TUNNEL) & NEW DIGESTION FACILITIES
 OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	PRINCIPAL	TOTAL
2020	\$780,807.84	\$6,315,922.00	\$7,096,729.84
2021	730,112.04	6,366,449.00	7,096,561.04
2022	679,010.67	6,417,381.00	7,096,391.67
2023	627,500.50	6,468,720.00	7,096,220.50
2024	575,578.24	6,520,470.00	7,096,048.24
2025	523,240.61	6,572,633.00	7,095,873.61
2026	470,484.27	6,625,214.00	7,095,698.27
2027	417,305.88	6,678,216.00	7,095,521.88
2028	363,702.06	6,731,642.00	7,095,344.06
2029	309,669.42	6,785,495.00	7,095,164.42
2030	255,204.51	6,839,779.00	7,094,983.51
2031	200,304.39	6,894,497.00	7,094,801.39
2032	144,964.06	6,949,653.00	7,094,617.06
2033	89,181.50	7,005,250.00	7,094,431.50
2034	32,952.70	7,061,292.00	7,094,244.70
	<u>\$6,200,018.69</u>	<u>\$100,232,613.00</u>	<u>\$106,432,631.69</u>

DEBT SERVICE ON MARYLAND WATER QUALITY BONDS
 BLUE PLAINS WWTP NEW DIGESTION FACILITIES - CHP
 OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	PRINCIPAL	TOTAL
2020	\$95,114.73	\$717,084.00	\$812,198.73
2021	89,358.93	722,821.00	812,179.93
2022	83,557.09	728,603.00	812,160.09
2023	77,708.84	734,432.00	812,140.84
2024	71,813.80	740,307.00	812,120.80
2025	65,871.59	746,230.00	812,101.59
2026	59,881.85	752,200.00	812,081.85
2027	53,844.20	758,217.00	812,061.20
2028	47,758.24	764,283.00	812,041.24
2029	41,623.59	770,397.00	812,020.59
2030	35,439.87	776,561.00	812,000.87
2031	29,206.68	782,773.00	811,979.68
2032	22,923.62	789,035.00	811,958.62
2033	16,590.30	795,348.00	811,938.30
2034	10,206.31	801,710.00	811,916.31
2035	3,771.25	808,124.00	811,895.25
	<u>\$804,670.89</u>	<u>\$12,188,125.00</u>	<u>\$12,992,795.89</u>

DEBT SERVICE ON MARYLAND WATER QUALITY BONDS
 BLUE PLAINS WWTP NEW DIGESTION FACILITIES - CHP (2nd Loan)
 OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	PRINCIPAL	TOTAL
2020	\$119,385.63	\$708,890.00	\$828,275.63
2021	112,267.19	715,979.00	828,246.19
2022	105,077.57	723,139.00	828,216.57
2023	97,816.04	730,371.00	828,187.04
2024	90,481.91	737,674.00	828,155.91
2025	83,074.43	745,051.00	828,125.43
2026	75,592.88	752,501.00	828,093.88
2027	68,036.51	760,027.00	828,063.51
2028	60,404.58	767,627.00	828,031.58
2029	52,696.32	775,303.00	827,999.32
2030	44,910.99	783,056.00	827,966.99
2031	37,047.80	790,887.00	827,934.80
2032	29,105.98	798,795.00	827,900.98
2033	21,084.75	806,783.00	827,867.75
2034	12,983.30	814,851.00	827,834.30
2035	4,800.83	823,000.00	827,800.83
	<u>\$1,014,766.71</u>	<u>\$12,233,934.00</u>	<u>\$13,248,700.71</u>

DEBT SERVICE ON MARYLAND WATER QUALITY BONDS
 POTOMAC VISTA WATER SYSTEM
 OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	PRINCIPAL	TOTAL
2020	\$1,086.16	\$5,016.00	\$6,102.16
2021	1,035.80	5,066.00	6,101.80
2022	984.93	5,116.00	6,100.93
2023	933.55	5,168.00	6,101.55
2024	881.66	5,219.00	6,100.66
2025	829.25	5,271.00	6,100.25
2026	776.32	5,324.00	6,100.32
2027	722.85	5,377.00	6,099.85
2028	668.86	5,431.00	6,099.86
2029	614.32	5,486.00	6,100.32
2030	559.24	5,540.00	6,099.24
2031	503.60	5,596.00	6,099.60
2032	447.41	5,652.00	6,099.41
2033	390.66	5,708.00	6,098.66
2034	333.34	5,765.00	6,098.34
2035	275.44	5,823.00	6,098.44
2036	216.97	5,881.00	6,097.97
2037	157.91	5,940.00	6,097.91
2038	98.27	5,999.00	6,097.27
2039	38.02	6,059.00	6,097.02
2040	1.56	267.00	268.56
	<u>\$11,556.12</u>	<u>\$110,704.00</u>	<u>\$122,260.12</u>

DEBT SERVICE ON MARYLAND WATER QUALITY BONDS
 BLUE PLAINS WWTP NEW DIGESTION FACILITIES - CHP (3rd Loan)
 OUTSTANDING AS OF JUNE 30, 2019
 (SEWER FUND PROJECT IS NOT COMPLETE, FIGURES ARE INTERIM)

FISCAL	INTEREST	PRINCIPAL	TOTAL
2020	\$33,533.77	\$390,032.00	\$423,565.77
2021	30,795.58	392,762.00	423,557.58
2022	28,038.23	395,511.00	423,549.23
2023	25,261.57	398,280.00	423,541.57
2024	22,465.48	401,068.00	423,533.48
2025	19,649.81	403,876.00	423,525.81
2026	16,814.44	406,703.00	423,517.44
2027	13,959.22	409,550.00	423,509.22
2028	11,084.01	412,416.00	423,500.01
2029	8,188.67	415,303.00	423,491.67
2030	5,273.07	418,210.00	423,483.07
2031	2,337.06	421,138.00	423,475.06
2032	360.16	88,202.00	88,562.16
	<u>\$217,761.07</u>	<u>\$4,953,051.00</u>	<u>\$5,170,812.07</u>

DEBT SERVICE ON MARYLAND WATER QUALITY BONDS
BLUE PLAINS WWTP ENR UPGRADE ECF & TDPS
OUTSTANDING AS OF JUNE 30, 2019
(SEWER FUND PROJECT IS NOT COMPLETE, FIGURES ARE INTERIM)

FISCAL	INTEREST	PRINCIPAL	TOTAL
2020	\$591,862.78	\$2,492,360.00	\$3,084,222.78
2021	556,766.19	2,527,253.00	3,084,019.19
2022	521,178.26	2,562,635.00	3,083,813.26
2023	485,092.09	2,598,511.00	3,083,603.09
2024	448,500.72	2,634,891.00	3,083,391.72
2025	411,397.07	2,671,779.00	3,083,176.07
2026	373,773.97	2,709,184.00	3,082,957.97
2027	335,624.14	2,747,113.00	3,082,737.14
2028	296,940.22	2,785,572.00	3,082,512.22
2029	257,714.72	2,824,570.00	3,082,284.72
2030	217,940.06	2,864,114.00	3,082,054.06
2031	177,608.56	2,904,212.00	3,081,820.56
2032	136,712.42	2,944,871.00	3,081,583.42
2033	95,243.73	2,986,099.00	3,081,342.73
2034	53,194.48	3,027,904.00	3,081,098.48
2035	16,605.51	2,033,328.00	2,049,933.51
	<u>\$4,976,154.91</u>	<u>\$43,314,396.00</u>	<u>\$48,290,550.91</u>

DEBT SERVICE ON MARYLAND WATER QUALITY BONDS
PISCATAWAY WWTP BIO ENERGY PROJECT
OUTSTANDING AS OF JUNE 30, 2019
(SEWER FUND PROJECT IS NOT COMPLETE, FIGURES ARE INTERIM)

FISCAL	INTEREST	PRINCIPAL	TOTAL
2020	\$23,806.26	\$0.00	\$23,806.26
2021	25,465.83	1,321,957.65	1,347,423.48
2022	23,928.05	1,331,211.36	1,355,139.41
2023	14,582.39	1,340,529.84	1,355,112.23
2024	5,313.33	1,301,223.15	1,306,536.48
	<u>\$93,095.86</u>	<u>\$5,294,922.00</u>	<u>\$5,388,017.86</u>

**WASHINGTON SUBURBAN SANITARY COMMISSION
FISCAL YEAR 2020 CASH DEBT SERVICE PAYMENTS FOR BONDS
AS OF JUNE 30, 2019**

	7/1/2019	8/1/2019	9/1/2019	10/1/2019	11/1/2019	12/1/2019*	1/1/2020	2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020**
GENERAL CONSTRUCTION												
PRINCIPAL	0	0	0	0	0	\$0	0	0	0	0	0	\$19,632,863
INTEREST	0	0	0	0	0	2,689,333	0	0	0	0	0	2,689,333
MONTHLY TOTAL	0	0	0	0	0	2,689,333	0	0	0	0	0	22,322,196
CUMULATIVE TOTAL	0	0	0	0	0	2,689,333	2,689,333	2,689,333	2,689,333	2,689,333	2,689,333	25,011,529
WATER SUPPLY												
PRINCIPAL	0	0	0	0	0	0	0	0	0	0	0	52,958,799
INTEREST	0	0	0	0	0	24,169,558	0	0	0	0	0	24,169,558
MONTHLY TOTAL	0	0	0	0	0	24,169,558	0	0	0	0	0	77,128,358
CUMULATIVE TOTAL	0	0	0	0	0	24,169,558	24,169,558	24,169,558	24,169,558	24,169,558	24,169,558	101,297,916
SEWAGE DISPOSAL												
PRINCIPAL	0	0	0	0	0	0	0	0	0	0	0	64,207,938
INTEREST	0	0	0	0	0	30,666,380	0	0	0	0	0	30,666,379
MONTHLY TOTAL	0	0	0	0	0	30,666,380	0	0	0	0	0	94,874,316
CUMULATIVE TOTAL	0	0	0	0	0	30,666,380	30,666,380	30,666,380	30,666,380	30,666,380	30,666,380	125,540,696
MARYLAND WATER QUALITY												
PRINCIPAL	0	0	0	0	0	0	0	18,452,787	0	0	0	0
INTEREST	0	2,199,070	0	0	0	0	0	1,219,034	0	0	0	0
MONTHLY TOTAL	0	2,199,070	0	0	0	0	0	19,671,821	0	0	0	0
CUMULATIVE TOTAL	0	2,199,070	2,199,070	2,199,070	2,199,070	2,199,070	2,199,070	21,870,891	21,870,891	21,870,891	21,870,891	21,870,891
ALL FUNDS												
PRINCIPAL	0	0	0	0	0	0	0	18,452,787	0	0	0	136,799,600
INTEREST	0	2,199,070	0	0	0	57,525,270	0	1,219,034	0	0	0	57,525,269
MONTHLY TOTAL	0	2,199,070	0	0	0	57,525,270	0	19,671,821	0	0	0	194,324,869
CUMULATIVE TOTAL	\$0	\$2,199,070	\$2,199,070	\$2,199,070	\$2,199,070	\$59,724,340	\$59,724,340	\$79,396,161	\$79,396,161	\$79,396,161	\$79,396,161	\$273,721,030

* Includes payment for 12/15/19.

** Includes payment for 6/15/20.

NOTE: Interest figures do not include BABs subsidy.

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
GENERAL CONSTRUCTION BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
09/29/10 (Series A)** ***	Sep 29, 2010	\$ 10,000,000	Jun 1, 2020	1,000,000	4.000	\$ 1,000,000
09/29/10 (Series B)** ***	Sep 29, 2010	10,000,000	Jun 1, 2021	1,000,000	3.550	
			2022	1,000,000	3.700	
			2023	1,000,000	3.850	
			2024	1,000,000	4.000	
			2025	1,000,000	4.200	
			2026	1,000,000	4.400	
			2027	1,000,000	4.550	
			2028	1,000,000	4.700	
			2029	1,000,000	4.800	
			2030	1,000,000	4.850	10,000,000
11/16/11* **	Nov 16, 2011	20,000,000	Jun 1, 2020	1,000,000	5.000	
			2021	1,000,000	3.000	2,000,000
11/15/12**	Nov 15, 2012	10,000,000	Jun 1, 2020	500,000	5.000	
			2021	500,000	5.000	
			2022	500,000	3.000	
			2023	500,000	3.000	
			2024	500,000	3.000	
			2025	500,000	3.000	
			2026	500,000	3.000	
			2027	500,000	3.000	
			2028	500,000	3.000	
			2029	500,000	3.000	
			2030	500,000	3.000	
			2031	500,000	3.000	
			2032	500,000	3.000	6,500,000
04/23/13* **	Apr 23, 2013	5,000,000	Jun 1, 2020	250,000	5.000	
			2021	250,000	5.000	
			2022	250,000	5.000	
			2023	250,000	4.000	1,000,000

* See Statement of Bonds Defeased

** Consolidated Public Improvement Bonds

*** Build America Bonds. See page 4 for more details.

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
GENERAL CONSTRUCTION BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
04/23/13 Refunding**	Apr 23, 2013	47,975,000	Jun 1, 2020	2,345,000	4.000	2,345,000
04/29/14 Refunding**	Apr 29, 2014	37,810,000	Jun 1, 2020	4,730,000	5.000	
			2021	4,980,000	5.000	
			2022	1,990,000	5.000	11,700,000
11/24/15 Refunding**	Nov 24, 2015	36,100,335	Jun 1, 2020	4,141,493	4.000	
			2021	4,324,065	4.000	
			2022	4,508,510	4.000	
			2023	4,715,817	5.000	
			2024	2,841,909	5.000	
			2025	1,427,918	3.000	
			2026	1,477,527	2.650	
			2027	1,512,045	2.900	
			2028	1,557,881	3.000	26,507,164
05/26/16 Refunding**	May 26, 2016	23,835,000	Jun 1, 2020	2,930,000	5.000	
			2021	3,080,000	5.000	
			2022	3,235,000	5.000	
			2023	3,385,000	5.000	
			2024	3,550,000	4.000	
			2025	3,680,000	4.000	19,860,000
11/9/17 Refunding**	Nov 9, 2017	12,310,000	Jun 1, 2020	5,000	5.000	
			2021	5,000	5.000	
			2022	965,000	5.000	
			2023	975,000	5.000	
			2024	1,245,000	5.000	
			2025	1,265,000	4.000	
			2026	1,265,000	3.000	
			2027	1,260,000	3.000	
			2028	1,250,000	3.000	
			2029	1,230,000	3.000	
			2030	1,215,000	3.000	
			2031	1,205,000	3.000	

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
GENERAL CONSTRUCTION BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
11/9/17 Refunding**	Nov 9, 2017	(cont'd)	Jun 1, 2032	245,000	3.000	12,130,000
12/13/17 Refunding (Second Series)** (2019 Crossover)	Dec 13, 2017	8,785,000	Jun 1, 2020	825,000	5.000	
			2021	835,000	5.000	
			2022	850,000	5.000	
			2023	860,000	5.000	
			2024	875,000	5.000	
			2025	885,000	5.000	
			2026	895,000	5.000	
			2027	910,000	5.000	
			2028	920,000	5.000	
			2029	930,000	5.000	
12/20/18**	Dec 20, 2018	25,000,000	Jun 1, 2020	415,000	5.000	
			2021	435,000	5.000	
			2022	455,000	5.000	
			2023	480,000	5.000	
			2024	505,000	5.000	
			2025	525,000	5.000	
			2026	555,000	5.000	
			2027	585,000	5.000	
			2028	610,000	5.000	
			2029	645,000	5.000	
			2030	675,000	5.000	
			2031	705,000	5.000	
			2032	745,000	5.000	
			2033	780,000	5.000	
			2034	820,000	4.000	
2035	855,000	4.000				
2036	885,000	4.000				
2037	925,000	4.000				
2038	960,000	4.000				
2039	1,000,000	4.000				
2040	1,040,000	4.000				
2041	1,080,000	4.000				

** Consolidated Public Improvement Bonds

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
GENERAL CONSTRUCTION BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019	
12/20/18**	Dec 20, 2018	(cont'd)	Jun 1, 2042	1,125,000	4.000		
			2043	1,170,000	4.000		
			2044	1,215,000	4.000		
			2045	1,260,000	4.000		
			2046	1,315,000	4.000		
			2047	1,365,000	4.000		
			2048	1,420,000	4.000		24,550,000
03/27/19 Refunding**	Mar 27, 2019	8,064,700	Jun 1, 2020	1,491,370	5.000		
			2021	1,969,020	5.000		
			2022	1,359,150	5.000		
			2023	811,800	5.000		
			2024	820,000	5.000		
			2025	828,200	5.000		
			2026	186,550	2.000		
			2027	189,630	5.000		
			2028	199,880	5.000		
			2029	209,100	5.000		<u>8,064,700</u>
			TOTAL GENERAL CONSTRUCTION BONDS				

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
WATER SUPPLY BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
09/29/10 (Series A)** ***	Sep 29, 2010	\$ 50,000,000	Jun 1, 2020	5,000,000	4.000	\$ 5,000,000
09/29/10 (Series B)** ***	Sep 29, 2010	50,000,000	Jun 1, 2021	5,000,000	3.550	
			2022	5,000,000	3.700	
			2023	5,000,000	3.850	
			2024	5,000,000	4.000	
			2025	5,000,000	4.200	
			2026	5,000,000	4.400	
			2027	5,000,000	4.550	
			2028	5,000,000	4.700	
			2029	5,000,000	4.800	
			2030	5,000,000	4.850	50,000,000
11/16/11* **	Nov 16, 2011	95,000,000	Jun 1, 2020	4,750,000	5.000	
			2021	4,750,000	3.000	9,500,000
11/15/12**	Nov 15, 2012	90,000,000	Jun 1, 2020	4,500,000	5.000	
			2021	4,500,000	5.000	
			2022	4,500,000	3.000	
			2023	4,500,000	3.000	
			2024	4,500,000	3.000	
			2025	4,500,000	3.000	
			2026	4,500,000	3.000	
			2027	4,500,000	3.000	
			2028	4,500,000	3.000	
			2029	4,500,000	3.000	
			2030	4,500,000	3.000	
			2031	4,500,000	3.000	
			2032	4,500,000	3.000	58,500,000
04/23/13* **	Apr 23, 2013	60,000,000	Jun 1, 2020	3,000,000	5.000	
			2021	3,000,000	5.000	
			2022	3,000,000	5.000	
			2023	3,000,000	4.000	12,000,000

* See Statement of Bonds Defeased

** Consolidated Public Improvement Bonds

*** Build America Bonds. See page 4 for more details.

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
WATER SUPPLY BONDS**

SERIES	DATE OF ISSUE		AMOUNT ISSUED	MATURITY DATE		AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
04/23/13 Refunding**	Apr 23,	2013	26,785,000	Jun 1,	2020	2,550,000	4.000	
					2021	2,550,000	4.000	
					2022	2,550,000	4.000	
					2023	2,550,000	2.000	
					2024	2,500,000	2.000	
					2025	2,445,000	2.000	
					2026	2,390,000	2.250	
04/29/2014**	Apr 29,	2014	70,000,000	Jun 1,	2020	2,333,333	5.000	
					2021	2,333,333	5.000	
					2022	2,333,333	5.000	
					2023	2,333,333	5.000	
					2024	2,333,333	4.000	
					2025	2,333,333	4.000	
					2026	2,333,333	4.000	
					2027	2,333,333	4.000	
					2028	2,333,333	4.000	
					2029	2,333,333	4.000	
					2030	2,333,333	4.000	
					2031	2,333,333	4.000	
					2032	2,333,333	4.000	
					2033	2,333,333	4.000	
					2034	2,333,333	4.000	
					2035	2,333,333	4.000	
					2036	2,333,333	4.000	
					2037	2,333,333	4.000	
					2038	2,333,333	4.000	
					2039	2,333,333	4.000	
2040	2,333,333	4.000						
2041	2,333,333	4.000						
2042	2,333,333	4.000						
2043	2,333,333	4.000						
2044	2,333,334	4.000	58,333,334					

** Consolidated Public Improvement Bonds

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
WATER SUPPLY BONDS**

SERIES	DATE OF ISSUE		AMOUNT ISSUED	MATURITY DATE		AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
12/02/14 (Second Series)**	Dec 2,	2014	75,000,000	Jun 1,	2020	1,596,000	5.000	
					2021	1,659,000	5.000	
					2022	1,725,000	5.000	
					2023	1,794,000	5.000	
					2024	1,866,000	4.000	
					2025	1,941,000	4.000	
					2026	2,019,000	4.000	
					2027	2,100,000	4.000	
					2028	2,184,000	4.000	
					2029	2,271,000	4.000	
					2030	2,361,000	4.000	
					2031	2,455,500	4.000	
					2032	2,554,500	4.000	
					2033	2,656,500	4.000	
					2034	2,763,000	4.000	
					2035	2,874,000	4.000	
					2036	2,988,000	4.000	
					2037	3,108,000	4.000	
					2038	3,232,500	4.000	
					2039	3,361,500	4.000	
					2040	3,496,500	4.000	
2041	3,636,000	4.000						
2042	3,781,500	4.000						
2043	3,933,000	4.000						
2044	4,090,500	4.000		66,447,000				
10/28/15**	Oct 28,	2015	185,000,000	Jun 1,	2020	3,740,000	5.000	
					2021	3,890,000	5.000	
					2022	4,085,000	5.000	
					2023	4,290,000	5.000	
					2024	4,505,000	5.000	
					2025	4,730,000	3.000	
					2026	4,920,000	3.000	
					2027	5,115,000	3.000	
					2028	5,320,000	3.000	

** Consolidated Public Improvement Bonds

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
WATER SUPPLY BONDS**

SERIES	DATE OF ISSUE		AMOUNT ISSUED	MATURITY DATE		AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
10/28/15**	Oct 28,	2015	(cont'd)	Jun 1,	2029	5,530,000	3.000	
					2030	5,755,000	3.500	
					2031	5,985,000	4.000	
					2032	6,225,000	4.000	
					2033	6,470,000	4.000	
					2034	6,730,000	4.000	
					2035	7,000,000	4.000	
					2036	7,280,000	4.000	
					2037	7,570,000	4.000	
					2038	7,875,000	4.000	
					2039	8,190,000	4.000	
					2040	8,515,000	4.000	
					2041	8,855,000	4.000	
					2042	9,210,000	4.000	
					2043	9,580,000	4.000	
				2044	9,965,000	4.000		
				2045	10,360,000	4.000	171,690,000	
11/24/15 Refunding**	Nov 24,	2015	71,942,788	Jun 1,	2020	7,425,221	4.000	
					2021	7,469,759	4.000	
					2022	7,489,111	4.000	
					2023	7,498,983	5.000	
					2024	7,568,958	5.000	
					2025	7,640,819	3.000	
					2026	7,552,733	2.650	
					2027	7,430,705	2.900	
					2028	4,830,509	3.000	64,906,796
	05/26/16**	May 26,	2016	45,000,000	Jun 1,	2020	920,000	5.000
2021						965,000	5.000	
					2022	1,015,000	5.000	
					2023	1,065,000	5.000	
					2024	1,115,000	5.000	
					2025	1,175,000	5.000	
					2026	1,230,000	5.000	

** Consolidated Public Improvement Bonds

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
WATER SUPPLY BONDS**

SERIES	DATE OF ISSUE		AMOUNT ISSUED	MATURITY DATE		AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
05/26/16**	May 26,	2016	(cont'd)	Jun 1,	2027	1,265,000	5.000	
					2028	1,305,000	4.000	
					2029	1,345,000	3.000	
					2030	1,385,000	3.250	
					2031	1,425,000	3.500	
					2032	1,470,000	3.500	
					2033	1,515,000	3.500	
					2034	1,560,000	3.500	
					2035	1,605,000	3.000	
					2036	1,655,000	3.000	
					2037	1,705,000	3.000	
					2038	1,770,000	3.000	
					2039	1,845,000	3.000	
					2040	1,915,000	3.000	
					2041	1,995,000	3.000	
					2042	2,075,000	3.000	
					2043	2,155,000	3.000	
2044	2,240,000	3.000						
2045	2,330,000	3.000						
2046	2,425,000	3.000		42,470,000				
05/26/16 Refunding**	May 26,	2016	9,630,000	Jun 1,	2020	1,160,000	5.000	1,160,000
12/1/16 (Second Series)**	Dec 01,	2016	178,000,000	Jun 1,	2020	3,268,065	5.000	
					2021	3,431,235	5.000	
					2022	3,603,730	5.000	
					2023	3,783,217	5.000	
					2024	3,974,359	5.000	
					2025	4,172,494	5.000	
					2026	4,379,953	5.000	
					2027	4,599,068	5.000	
					2028	4,829,837	5.000	
					2029	5,072,261	3.000	
					2030	5,223,776	4.000	
2031	5,431,235	4.000						

** Consolidated Public Improvement Bonds

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
WATER SUPPLY BONDS**

SERIES	DATE OF ISSUE		AMOUNT ISSUED	MATURITY DATE		AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
12/1/16 (Second Series)**	Dec 1,	2016	(cont'd)	Jun 1,	2032	5,650,350	4.000	
					2033	5,876,457	4.000	
					2034	6,109,557	5.000	
					2035	6,417,249	5.000	
					2036	6,736,597	5.000	
					2037	7,074,592	5.000	
					2038	7,426,573	5.000	
					2039	7,799,534	4.000	
					2040	8,111,888	4.000	
					2041	8,435,897	4.000	
					2042	8,773,893	4.000	
					2043	9,123,543	4.000	
					2044	9,489,510	4.000	
					2045	9,867,133	4.000	
					2046	10,263,403	4.000	168,925,408
					11/9/17**	Nov 9,	2017	220,440,000
2021	4,171,200	5.000						
2022	4,380,000	5.000						
2023	4,600,800	5.000						
2024	4,831,200	5.000						
2025	5,071,200	5.000						
2026	5,325,600	5.000						
2027	5,592,000	5.000						
2028	5,870,400	5.000						
2029	6,165,600	5.000						
2030	6,472,800	5.000						
2031	6,796,800	4.000						
2032	7,068,000	4.000						
2033	7,351,200	4.000						
2034	7,644,000	3.000						
2035	7,874,400	4.000						
2036	8,188,800	3.000						
2037	8,436,000	3.125						
2038	8,697,600	4.000						

** Consolidated Public Improvement Bonds

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
WATER SUPPLY BONDS**

SERIES	DATE OF ISSUE		AMOUNT ISSUED	MATURITY DATE		AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019	
11/9/17**	Nov 9,	2017	(cont'd)	Jun 1,	2039	9,045,600	4.000		
					2040	9,408,000	4.000		
					2041	9,784,800	4.000		
					2042	10,176,000	4.000		
					2043	10,584,000	3.375		
					2044	10,939,200	4.000		
					2045	11,378,400	4.000		
					2046	11,832,000	4.000		
					2047	12,307,200	4.000		213,967,200
11/9/17 Refunding**	Nov 9,	2017	75,640,000	Jun 1,	2020	75,000	5.000		
					2021	80,000	5.000		
					2022	4,600,000	5.000		
					2023	4,690,000	5.000		
					2024	7,785,000	5.000		
					2025	7,910,000	4.000		
					2026	7,920,000	3.000		
					2027	7,840,000	3.000		
					2028	7,770,000	3.000		
					2029	7,695,000	3.000		
					2030	7,615,000	3.000		
					2031	7,530,000	3.000		
					2032	2,960,000	3.000		74,470,000
				12/13/17 Refunding (Second Series)** (2019 Crossover)	Dec 13,	2017	35,145,000	Jun 1,	2020
	2021	3,345,000	5.000						
	2022	3,395,000	5.000						
	2023	3,445,000	5.000						
	2024	3,490,000	5.000						
	2025	3,540,000	5.000						
	2026	3,585,000	5.000						
	2027	3,635,000	5.000						
	2028	3,680,000	5.000						
	2029	3,730,000	5.000		35,145,000				

** Consolidated Public Improvement Bonds

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
WATER SUPPLY BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
12/20/18**	Dec 20, 2018	167,000,000	Jun 1, 2020	2,770,000	5.000	
			2021	2,910,000	5.000	
			2022	3,050,000	5.000	
			2023	3,205,000	5.000	
			2024	3,365,000	5.000	
			2025	3,535,000	5.000	
			2026	3,710,000	5.000	
			2027	3,895,000	5.000	
			2028	4,090,000	5.000	
			2029	4,295,000	5.000	
			2030	4,510,000	5.000	
			2031	4,735,000	5.000	
			2032	4,970,000	5.000	
			2033	5,220,000	5.000	
			2034	5,480,000	4.000	
			2035	5,700,000	4.000	
			2036	5,930,000	4.000	
			2037	6,165,000	4.000	
			2038	6,410,000	4.000	
			2039	6,670,000	4.000	
2040	6,935,000	4.000				
2041	7,215,000	4.000				
2042	7,500,000	4.000				
2043	7,800,000	4.000				
2044	8,110,000	4.000				
2045	8,440,000	4.000				
2046	8,775,000	4.000				
2047	9,125,000	4.000				
2048	9,490,000	4.000				
						164,005,000
03/27/2019 Refunding**	Mar 27, 2019	14,044,380	Jun 1, 2020	2,597,180	5.000	
			2021	3,428,990	5.000	
			2022	2,366,910	5.000	
			2023	1,413,720	5.000	
			2024	1,428,000	5.000	

** Consolidated Public Improvement Bonds

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
WATER SUPPLY BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
03/27/2019 Refunding**	Mar 27, 2019	(cont'd)	Jun 1, 2025	1,442,280	5.000	
			2026	324,870	2.000	
			2027	330,220	5.000	
			2028	348,070	5.000	
			2029	364,140	5.000	<u>14,044,380</u>
TOTAL WATER SUPPLY BONDS						<u>\$ 1,228,099,118</u>

** Consolidated Public Improvement Bonds

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
SEWAGE DISPOSAL BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
09/29/10 (Series A)** ***	Sep 29, 2010	\$ 60,000,000	Jun 1, 2020	6,000,000	4.000	\$ 6,000,000
09/29/10 (Series B)** ***	Sep 29, 2010	60,000,000	Jun 1, 2021	6,000,000	3.550	
			2022	6,000,000	3.700	
			2023	6,000,000	3.850	
			2024	6,000,000	4.000	
			2025	6,000,000	4.200	
			2026	6,000,000	4.400	
			2027	6,000,000	4.550	
			2028	6,000,000	4.700	
			2029	6,000,000	4.800	
			2030	6,000,000	4.850	60,000,000
11/16/11* **	Nov 16, 2011	185,000,000	Jun 1, 2020	9,250,000	5.000	
			2021	9,250,000	3.000	18,500,000
11/15/12**	Nov 15, 2012	150,000,000	Jun 1, 2020	7,500,000	5.000	
			2021	7,500,000	5.000	
			2022	7,500,000	3.000	
			2023	7,500,000	3.000	
			2024	7,500,000	3.000	
			2025	7,500,000	3.000	
			2026	7,500,000	3.000	
			2027	7,500,000	3.000	
			2028	7,500,000	3.000	
			2029	7,500,000	3.000	
			2030	7,500,000	3.000	
			2031	7,500,000	3.000	
			2032	7,500,000	3.000	97,500,000
04/23/13* **	Apr 23, 2013	85,000,000	Jun 1, 2020	4,250,000	5.000	
			2021	4,250,000	5.000	
			2022	4,250,000	5.000	
			2023	4,250,000	4.000	17,000,000

* See Statement of Bonds Defeased

** Consolidated Public Improvement Bonds

*** Build America Bonds. See page 4 for more details.

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
SEWAGE DISPOSAL BONDS**

SERIES	DATE OF ISSUE		AMOUNT ISSUED	MATURITY DATE		AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
04/23/13 Refunding**	Apr 23,	2013	26,800,000	Jun 1,	2020	2,545,000	4.000	
					2021	2,550,000	4.000	
					2022	2,550,000	4.000	
					2023	2,550,000	2.000	
					2024	2,500,000	2.000	
					2025	2,445,000	2.000	
					2026	2,390,000	2.250	17,530,000
04/29/14**	Apr 29,	2014	80,000,000	Jun 1,	2020	2,666,667	5.000	
					2021	2,666,667	5.000	
					2022	2,666,667	5.000	
					2023	2,666,667	5.000	
					2024	2,666,667	4.000	
					2025	2,666,667	4.000	
					2026	2,666,667	4.000	
					2027	2,666,667	4.000	
					2028	2,666,667	4.000	
					2029	2,666,667	4.000	
					2030	2,666,667	4.000	
					2031	2,666,667	4.000	
					2032	2,666,667	4.000	
					2033	2,666,667	4.000	
					2034	2,666,667	4.000	
					2035	2,666,667	4.000	
					2036	2,666,667	4.000	
					2037	2,666,667	4.000	
					2038	2,666,667	4.000	
					2039	2,666,667	4.000	
2040	2,666,667	4.000						
2041	2,666,667	4.000						
2042	2,666,667	4.000						
2043	2,666,667	4.000						
2044	2,666,666	4.000	66,666,666					

** Consolidated Public Improvement Bonds

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
SEWAGE DISPOSAL BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
12/02/14 (Second Series)**	Dec 2, 2014	175,000,000	Jun 1, 2020	3,724,000	5.000	
				3,871,000	5.000	
				4,025,000	5.000	
				4,186,000	5.000	
				4,354,000	4.000	
				4,529,000	4.000	
				4,711,000	4.000	
				4,900,000	4.000	
				5,096,000	4.000	
				5,299,000	4.000	
				5,509,000	4.000	
				5,729,500	4.000	
				5,960,500	4.000	
				6,198,500	4.000	
				6,447,000	4.000	
				6,706,000	4.000	
				6,972,000	4.000	
				7,252,000	4.000	
				7,542,500	4.000	
				7,843,500	4.000	
				8,158,500	4.000	
8,484,000	4.000					
8,823,500	4.000					
9,177,000	4.000					
9,544,500	4.000	155,043,000				
10/28/15**	Oct 28, 2015	205,000,000	Jun 1, 2020	4,145,000	5.000	
				4,310,000	5.000	
				4,525,000	5.000	
				4,750,000	5.000	
				4,990,000	5.000	
				5,240,000	3.000	
				5,450,000	3.000	
				5,670,000	3.000	
				5,895,000	3.000	

** Consolidated Public Improvement Bonds

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
SEWAGE DISPOSAL BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
10/28/15**	Oct 28, 2015	(cont'd)	Jun 1, 2029	6,130,000	3.000	
				6,375,000	3.500	
				6,630,000	4.000	
				6,895,000	4.000	
				7,175,000	4.000	
				7,460,000	4.000	
				7,755,000	4.000	
				8,065,000	4.000	
				8,390,000	4.000	
				8,725,000	4.000	
				9,075,000	4.000	
				9,440,000	4.000	
				9,815,000	4.000	
				10,210,000	4.000	
				10,615,000	4.000	
				11,040,000	4.000	
				11,485,000	4.000	190,255,000
11/24/15 Refunding**	Nov 24, 2015	37,281,877	Jun 1, 2020	3,843,286	4.000	
				3,866,176	4.000	
				3,877,380	4.000	
				3,885,200	5.000	
				3,919,133	5.000	
				3,956,263	3.000	
				3,909,740	2.650	
				3,847,250	2.900	
				2,796,610	3.000	33,901,040
				05/26/16**	May 26, 2016	100,000,000
2,145,000	5.000					
2,250,000	5.000					
2,360,000	5.000					
2,485,000	5.000					
2,605,000	5.000					
2,735,000	5.000					

** Consolidated Public Improvement Bonds

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
SEWAGE DISPOSAL BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
05/26/16**	May 26, 2016	(cont'd)	Jun 1, 2027	2,820,000	5.000	
			2028	2,905,000	4.000	
			2029	2,990,000	3.000	
			2030	3,080,000	3.250	
			2031	3,175,000	3.500	
			2032	3,265,000	3.500	
			2033	3,365,000	3.500	
			2034	3,465,000	3.500	
			2035	3,570,000	3.000	
			2036	3,675,000	3.000	
			2037	3,785,000	3.000	
			2038	3,940,000	3.000	
			2039	4,095,000	3.000	
			2040	4,260,000	3.000	
			2041	4,430,000	3.000	
			2042	4,605,000	3.000	
			2043	4,790,000	3.000	
			2044	4,985,000	3.000	
			2045	5,185,000	3.000	
			2046	5,390,000	3.000	94,395,000
05/26/16 Refunding**	May 26, 2016	2,975,000	Jun 1, 2020	325,000	5.000	325,000
12/01/16 (Second Series)**	Dec 01, 2016	203,810,000	Jun 1, 2020	3,741,935	5.000	
			2021	3,928,765	5.000	
			2022	4,126,270	5.000	
			2023	4,331,783	5.000	
			2024	4,550,641	5.000	
			2025	4,777,506	5.000	
			2026	5,015,047	5.000	
			2027	5,265,932	5.000	
			2028	5,530,163	5.000	
			2029	5,807,739	3.000	
			2030	5,981,224	4.000	
			2031	6,218,765	4.000	

** Consolidated Public Improvement Bonds

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
SEWAGE DISPOSAL BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
12/01/16 (Second Series)**	Dec 01, 2016	(cont'd)	Jun 1, 2032	6,469,650	4.000	
			2033	6,728,543	4.000	
			2034	6,995,443	5.000	
			2035	7,347,751	5.000	
			2036	7,713,403	5.000	
			2037	8,100,408	5.000	
			2038	8,503,427	5.000	
			2039	8,930,466	4.000	
			2040	9,288,112	4.000	
			2041	9,659,103	4.000	
			2042	10,046,107	4.000	
			2043	10,446,457	4.000	
			2044	10,865,490	4.000	
			2045	11,297,867	4.000	
			2046	11,751,597	4.000	
11/9/17**	Nov 9, 2017	238,810,000	Jun 1, 2020	4,305,600	5.000	
			2021	4,518,800	5.000	
			2022	4,745,000	5.000	
			2023	4,984,200	5.000	
			2024	5,233,800	5.000	
			2025	5,493,800	5.000	
			2026	5,769,400	5.000	
			2027	6,058,000	5.000	
			2028	6,359,600	5.000	
			2029	6,679,400	5.000	
			2030	7,012,200	5.000	
			2031	7,363,200	4.000	
			2032	7,657,000	4.000	
			2033	7,963,800	4.000	
			2034	8,281,000	3.000	
			2035	8,530,600	4.000	
2036	8,871,200	3.000				
2037	9,139,000	3.125				
2038	9,422,400	4.000				

** Consolidated Public Improvement Bonds

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
SEWAGE DISPOSAL BONDS**

SERIES	DATE OF ISSUE		AMOUNT ISSUED	MATURITY DATE		AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
11/9/17**	Nov 9,	2017	(cont'd)	Jun 1,	2039	9,799,400	4.000	
					2040	10,192,000	4.000	
					2041	10,600,200	4.000	
					2042	11,024,000	4.000	
					2043	11,466,000	3.375	
					2044	11,850,800	4.000	
					2045	12,326,600	4.000	
					2046	12,818,000	4.000	
					2047	13,332,800	4.000	231,797,800
11/9/17 Refunding**	Nov 9,	2017	132,230,000	Jun 1,	2020	105,000	5.000	
					2021	110,000	5.000	
					2022	8,920,000	5.000	
					2023	9,095,000	5.000	
					2024	13,520,000	5.000	
					2025	13,750,000	4.000	
					2026	13,760,000	3.000	
					2027	13,625,000	3.000	
					2028	13,490,000	3.000	
					2029	13,360,000	3.000	
					2030	13,225,000	3.000	
					2031	13,080,000	3.000	
					2032	4,195,000	3.000	130,235,000
12/13/17 Refunding (Second Series)** (2019 Crossover)	Dec 13,	2017	35,145,000	Jun 1,	2020	3,300,000	5.000	
					2021	3,345,000	5.000	
					2022	3,395,000	5.000	
					2023	3,445,000	5.000	
					2024	3,490,000	5.000	
					2025	3,540,000	5.000	
					2026	3,585,000	5.000	
					2027	3,635,000	5.000	
					2028	3,680,000	5.000	
					2029	3,730,000	5.000	35,145,000

** Consolidated Public Improvement Bonds

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
SEWAGE DISPOSAL BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
12/20/18**	Dec 20, 2018	198,000,000	Jun 1, 2020	3,280,000	5.000	
			2021	3,445,000	5.000	
			2022	3,620,000	5.000	
			2023	3,800,000	5.000	
			2024	3,990,000	5.000	
			2025	4,190,000	5.000	
			2026	4,400,000	5.000	
			2027	4,615,000	5.000	
			2028	4,850,000	5.000	
			2029	5,090,000	5.000	
			2030	5,345,000	5.000	
			2031	5,615,000	5.000	
			2032	5,895,000	5.000	
			2033	6,190,000	5.000	
			2034	6,500,000	4.000	
			2035	6,755,000	4.000	
			2036	7,030,000	4.000	
			2037	7,310,000	4.000	
			2038	7,605,000	4.000	
			2039	7,905,000	4.000	
			2040	8,220,000	4.000	
			2041	8,550,000	4.000	
			2042	8,890,000	4.000	
			2043	9,250,000	4.000	
			2044	9,620,000	4.000	
			2045	10,005,000	4.000	
			2046	10,405,000	4.000	
			2047	10,820,000	4.000	
2048	11,255,000	4.000				
						194,445,000
03/27/2019 Refunding**	Mar 27, 2019	17,230,920	Jun 1, 2020	3,186,450	5.000	
			2021	4,206,990	5.000	
			2022	2,903,940	5.000	
			2023	1,734,480	5.000	
			2024	1,752,000	5.000	

** Consolidated Public Improvement Bonds

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
SEWAGE DISPOSAL BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
03/27/2019 Refunding**	Mar 27, 2019	(cont'd)	Jun 1, 2025	1,769,520	5.000	
			2026	398,580	2.000	
			2027	405,150	5.000	
			2028	427,050	5.000	
			2029	446,760	5.000	
						<u>17,230,920</u>
						<u>\$ 1,559,389,018</u>

** Consolidated Public Improvement Bonds

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
MARYLAND WATER QUALITY BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
Consolidated Lab Facility(General)	Sep 29, 2000	\$ 11,394,444	Feb 1, 2020 2021	579,494 579,490	2.400 2.400	\$ 1,158,984.00
Potomac WFP Solids Handling(Water)	Sep 29, 2000	20,432,556	Feb 1, 2020 2021	1,011,856 1,011,860	2.400 2.400	2,023,716
Piscataway WWTP Biological Nutrient Removal (Sewer)	Sep 29, 2000	5,530,000	Feb 1, 2020 2021	276,500 276,500	2.400 2.400	553,000
Blue Plains WWTP Additonal Chemical Systems	Apr 15, 2003	41,097,814	Feb 1, 2020 2021 2022 2023 2024 2025	2,184,232 2,184,232 2,184,232 2,184,232 2,184,232 1,780,638	1.100 1.100 1.100 1.100 1.100 1.100	12,701,798
Piscataway WWTP Sludge Dewatering Upgrade	Apr 15, 2003	9,200,000	Feb 1, 2020 2021 2022 2023 2024	460,000 460,000 460,000 460,000 460,000	1.100 1.100 1.100 1.100 1.100	2,300,000
Energy Performance Projects	Apr 15, 2003	11,271,725	Feb 1, 2020 2021 2022 2023	653,062 660,246 667,509 674,851	1.100 1.100 1.100 1.100	2,655,668
Western Branch WWTP Filter Upgrade	Jan 15, 2009	4,956,835	Feb 1, 2020 2021 2022 2023 2024 2025 2026 2027 2028	263,104 265,735 268,392 271,076 273,787 276,525 279,290 282,083 284,904	1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000	2,464,896

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
MARYLAND WATER QUALITY BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
Western Branch & Seneca WWTP ENR & Facility Upgrade	Feb 24, 2012	49,706,000	Feb 1, 2020	2,395,235	0.800	
			2021	2,414,397	0.800	
			2022	2,433,712	0.800	
			2023	2,453,182	0.800	
			2024	2,472,807	0.800	
			2025	2,492,589	0.800	
			2026	2,512,530	0.800	
			2027	2,532,630	0.800	
			2028	2,552,892	0.800	
			2029	2,573,315	0.800	
			2030	2,593,901	0.800	
			2031	2,614,652	0.800	
			2032	2,635,570	0.800	
			2033	2,656,654	0.800	
2034	2,677,907	0.800	38,011,973			
Blue Plains WWTP ENR Upgrade (Tunnel) & New Digestion Facilities	Jun 19, 2012	125,000,000	Feb 1, 2020	6,315,922	0.800	
			2021	6,366,449	0.800	
			2022	6,417,381	0.800	
			2023	6,468,720	0.800	
			2024	6,520,470	0.800	
			2025	6,572,633	0.800	
			2026	6,625,214	0.800	
			2027	6,678,216	0.800	
			2028	6,731,642	0.800	
			2029	6,785,495	0.800	
			2030	6,839,779	0.800	
			2031	6,894,497	0.800	
			2032	6,949,653	0.800	
			2033	7,005,250	0.800	
2034	7,061,292	0.800	100,232,613			
Blue Plains WWTP New Digestion Facilities - CHP	Feb 27, 2013	15,000,000	Feb 1, 2020	717,084	0.800	
			2021	722,821	0.800	
			2022	728,603	0.800	

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
MARYLAND WATER QUALITY BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
Blue Plains WWTP New Digestion Facilities - CHP	Feb 27, 2013	(cont'd)	Feb 1, 2023	734,432	0.800	12,188,125
			2024	740,307	0.800	
			2025	746,230	0.800	
			2026	752,200	0.800	
			2027	758,217	0.800	
			2028	764,283	0.800	
			2029	770,397	0.800	
			2030	776,561	0.800	
			2031	782,773	0.800	
			2032	789,035	0.800	
			2033	795,348	0.800	
			2034	801,710	0.800	
			2035	808,124	0.800	
			Potomac Vista Water System	Aug 29, 2013	135,049	
2021	5,066	1.000				
2022	5,116	1.000				
2023	5,168	1.000				
2024	5,219	1.000				
2025	5,271	1.000				
2026	5,324	1.000				
2027	5,377	1.000				
2028	5,431	1.000				
2029	5,486	1.000				
2030	5,540	1.000				
2031	5,595	1.000				
2032	5,652	1.000				
2033	5,708	1.000				
2034	5,765	1.000				
2035	5,823	1.000				
2036	5,881	1.000				
2037	5,940	1.000				
2038	5,999	1.000				
2039	6,059	1.000				
2040	267	1.000				

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
MARYLAND WATER QUALITY BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
Blue Plains WWTP New Digestion Facilities - CHP (2nd Loan)	May 30, 2014	15,000,000	Feb 1, 2020	708,890	1.000	
			2021	715,979	1.000	
			2022	723,139	1.000	
			2023	730,371	1.000	
			2024	737,674	1.000	
			2025	745,051	1.000	
			2026	752,501	1.000	
			2027	760,027	1.000	
			2028	767,627	1.000	
			2029	775,303	1.000	
			2030	783,056	1.000	
			2031	790,887	1.000	
			2032	798,795	1.000	
			2033	806,783	1.000	
			2034	814,851	1.000	
2035	823,000	1.000	12,233,934			
Blue Plains WWTP New Digestion Facilities - CHP (3rd Loan) (Interim)	Apr 14, 2016	8,169,077	Feb 1, 2020	390,032	0.700	
			2021	392,762	0.700	
			2022	395,511	0.700	
			2023	398,280	0.700	
			2024	401,068	0.700	
			2025	403,876	0.700	
			2026	406,703	0.700	
			2027	409,550	0.700	
			2028	412,416	0.700	
			2029	415,303	0.700	
			2030	418,210	0.700	
			2031	421,138	0.700	
			2032	88,202	0.700	4,953,051
Blue Plains WWTP ENR Upgrade - Enhanced Clarification Facilities (ECF) & Tunnel Dewatering Pump Station (TDPS) (Interim)	Apr 14, 2016	53,823,568	Feb 1, 2020	2,492,360	1.400	
			2021	2,527,253	1.400	
			2022	2,562,635	1.400	
			2023	2,598,511	1.400	
			2024	2,634,891	1.400	

**STATEMENT OF BONDS PAYABLE
AS OF JUNE 30, 2019
MARYLAND WATER QUALITY BONDS**

SERIES	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
Blue Plains WWTP ENR Upgrade - Enhanced Clarification Facilities (ECF) & Tunnel Dewatering Pump Station (TDPS) (Interim)	Apr 14, 2016	(cont'd)	Feb 1, 2025	2,671,779	1.400	
			2026	2,709,184	1.400	
			2027	2,747,113	1.400	
			2028	2,785,572	1.400	
			2029	2,824,570	1.400	
			2030	2,864,114	1.400	
			2031	2,904,212	1.400	
			2032	2,944,871	1.400	
			2033	2,986,099	1.400	
			2034	3,027,904	1.400	
			2035	2,033,328	1.400	43,314,396
Piscataway WWTP Bio Energy (Interim)	Jun 13, 2019	43,959,973	Feb 1, 2020	0	0.700	
			2021	1,321,958	0.700	
			2022	1,331,211	0.700	
			2023	1,340,530	0.700	
			2024	1,301,223	0.700	5,294,922
TOTAL MARYLAND WATER QUALITY BONDS						<u>240,197,781</u>
GRAND TOTAL ALL BONDS						<u><u>\$ 3,162,127,781</u></u>

**GENERAL CONSTRUCTION BONDS
DEFEASED AND OUTSTANDING
AS OF JUNE 30, 2019**

SERIES	DATE REFUNDED	CALL DATE	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
11/16/11	11/09/17	06/01/21	Nov 16, 2011	\$ 20,000,000	Jun 1, 2022	\$ 1,000,000	3.000	
					2023	1,000,000	3.000	
					2024	1,000,000	3.000	
					2025	1,000,000	4.000	
					2026	1,000,000	4.000	
					2027	1,000,000	4.000	
					2028	1,000,000	4.000	
					2029	1,000,000	4.000	
					2030	1,000,000	4.000	
					2031	1,000,000	4.000	\$ 10,000,000
04/23/13	11/09/17	06/01/23	Apr 23, 2013	5,000,000	Jun 1, 2024	250,000	4.000	
					2025	250,000	4.000	
					2026	250,000	4.000	
					2027	250,000	4.000	
					2028	250,000	4.000	
					2029	250,000	4.000	
					2030	250,000	4.000	
					2031	250,000	4.000	
					2032	250,000	4.000	<u>2,250,000</u>
TOTAL OUTSTANDING DEFEASED GENERAL CONSTRUCTION BONDS								<u>\$ 12,250,000</u>

Defeased Issues Redeemed in FY 2019

9/15/09 (Series B)	09/15/09	06/01/19	@100%
11/25/09 Refunding	11/25/09	06/01/19	@100%

**WATER SUPPLY BONDS
DEFEASED AND OUTSTANDING
AS OF JUNE 30, 2019**

SERIES	DATE REFUNDED	CALL DATE	DATE OF ISSUE	AMOUNT ISSUED	MATURITY DATE	AMOUNT OUTSTANDING	INTEREST RATE	BALANCE JUNE 30, 2019
11/16/11	11/09/17	06/01/21	Nov 16, 2011	\$ 95,000,000	Jun 1, 2022	\$ 4,750,000	3.000	
					2023	4,750,000	3.000	
					2024	4,750,000	3.000	
					2025	4,750,000	4.000	
					2026	4,750,000	4.000	
					2027	4,750,000	4.000	
					2028	4,750,000	4.000	
					2029	4,750,000	4.000	
					2030	4,750,000	4.000	
					2031	4,750,000	4.000	\$ 47,500,000
					04/23/13	11/09/17	06/21/23	Apr 23, 2013
2025	3,000,000	4.000						
2026	3,000,000	4.000						
2027	3,000,000	4.000						
2028	3,000,000	4.000						
2029	3,000,000	4.000						
2030	3,000,000	4.000						
2031	3,000,000	4.000						
2032	3,000,000	4.000	<u>27,000,000</u>					
TOTAL OUTSTANDING DEFEASED WATER SUPPLY BONDS								

Defeased Issues Redeemed in FY 2019

09/15/09 (Series B)	09/15/09	06/01/19	@100%
11/25/09 Refunding	11/25/09	06/01/19	@100%

**SEWAGE DISPOSAL BONDS
DEFEASED AND OUTSTANDING
AS OF JUNE 30, 2019**

<u>SERIES</u>	<u>DATE REFUNDED</u>	<u>CALL DATE</u>	<u>DATE OF ISSUE</u>	<u>AMOUNT ISSUED</u>	<u>MATURITY DATE</u>	<u>AMOUNT OUTSTANDING</u>	<u>INTEREST RATE</u>	<u>BALANCE JUNE 30, 2019</u>
11/16/11	11/09/17	06/01/21	Nov 16, 2011	\$ 185,000,000	Jun 1, 2022	\$ 9,250,000	3.000	
					2023	9,250,000	3.000	
					2024	9,250,000	3.000	
					2025	9,250,000	4.000	
					2026	9,250,000	4.000	
					2027	9,250,000	4.000	
					2028	9,250,000	4.000	
					2029	9,250,000	4.000	
					2030	9,250,000	4.000	
					2031	9,250,000	4.000	\$ 92,500,000
04/23/13	11/09/17	06/01/23	Apr 23, 2013	85,000,000	2024	4,250,000	4.000	
					2025	4,250,000	4.000	
					2026	4,250,000	4.000	
					2027	4,250,000	4.000	
					2028	4,250,000	4.000	
					2029	4,250,000	4.000	
					2030	4,250,000	4.000	
					2031	4,250,000	4.000	
					2032	4,250,000	4.000	<u>38,250,000</u>
TOTAL OUTSTANDING DEFEASED SEWAGE DISPOSAL BONDS								<u>\$ 130,750,000</u>
GRAND TOTAL OUTSTANDING DEFEASED BONDS								<u><u>\$ 217,500,000</u></u>

Defeased Issues Redeemed in FY 2019

09/15/09 (Series B)	09/15/09	06/01/19	@100%
11/25/09 Refunding	11/25/09	06/01/19	@100%

**WASHINGTON SUBURBAN SANITARY COMMISSION
SUMMARY OF DESCRIPTIVE DATA CONCERNING THE FOUR MAJOR TYPES
OF BONDS ISSUED FROM 2009 THROUGH JUNE 30, 2019**

	<u>TOTAL</u>	<u>GENERAL CONSTRUCTION BONDS</u>	<u>WATER SUPPLY BONDS</u>	<u>SEWAGE DISPOSAL BONDS</u>	<u>STORM WATER DRAINAGE BONDS</u>
09-15-09 (Series A)					
Amount of Issue	\$ 90,000,000 **	\$ 10,000,000	\$ 40,000,000	\$ 40,000,000	
Life of Bond - Years		20.00	20.00	20.00	
Average Life of Bond - Years		5.21	5.21	5.21	
Average Annual Interest Rate		4.13%	4.13%	4.13%	
09-15-09 (Series B)***					
Amount of Issue	\$ 90,000,000 **	\$ 10,000,000	\$ 40,000,000	\$ 40,000,000	
Life of Bond - Years		20.00	20.00	20.00	
Average Life of Bond - Years		15.21	15.21	15.21	
Average Annual Interest Rate ****		3.11%	3.11%	3.11%	
11-25-09 (Refunding)					
Amount of Issue	\$ 83,965,000 **	\$ 11,935,000	\$ 29,375,000	\$ 42,655,000	
Life of Bond - Years		19.00	15.00	15.00	
Average Life of Bond - Years		13.18	10.29	9.67	
Average Annual Interest Rate		4.11%	4.37%	4.55%	
09-29-10 (Series A)					
Amount of Issue	\$ 120,000,000 **	\$ 10,000,000	\$ 50,000,000	\$ 60,000,000	
Life of Bond - Years		20.00	20.00	20.00	
Average Life of Bond - Years		5.17	5.17	5.17	
Average Annual Interest Rate		4.30%	4.30%	4.30%	
09-29-10 (Series B)***					
Amount of Issue	\$ 120,000,000 **	\$ 10,000,000	\$ 50,000,000	\$ 60,000,000	
Life of Bond - Years		20.00	20.00	20.00	
Average Life of Bond - Years		15.17	15.17	15.17	
Average Annual Interest Rate ****		2.82%	2.82%	2.82%	

** Consolidated Public Improvement Bonds. Sold as one issue.

*** Taxable Build America Bonds - Direct Payment to Issuer.

**** Does not reflect federal subsidy of 35% of interest cost.

**WASHINGTON SUBURBAN SANITARY COMMISSION
SUMMARY OF DESCRIPTIVE DATA CONCERNING THE FOUR MAJOR TYPES
OF BONDS ISSUED FROM 2009 THROUGH JUNE 30, 2019**

	<u>TOTAL</u>	<u>GENERAL CONSTRUCTION BONDS</u>	<u>WATER SUPPLY BONDS</u>	<u>SEWAGE DISPOSAL BONDS</u>	<u>STORM WATER DRAINAGE BONDS</u>
11-16-11					
Amount of Issue	\$ 300,000,000 **	\$ 20,000,000	\$ 95,000,000	\$ 185,000,000	
Life of Bond - Years		20.00	20.00	20.00	
Average Life of Bond - Years		15.17	15.17	15.17	
Average Annual Interest Rate		3.96%	3.96%	3.96%	
11-15-12					
Amount of Issue	\$ 250,000,000 **	\$ 10,000,000	\$ 90,000,000	\$ 150,000,000	
Life of Bond - Years		20.00	20.00	20.00	
Average Life of Bond - Years		10.44	10.44	10.44	
Average Annual Interest Rate		3.39%	3.39%	3.39%	
04-23-13					
Amount of Issue	\$ 150,000,000 **	\$ 5,000,000	\$ 60,000,000	\$ 85,000,000	
Life of Bond - Years		19.00	19.00	19.00	
Average Life of Bond - Years		9.66	9.66	9.66	
Average Annual Interest Rate		4.20%	4.20%	4.20%	
04-23-13 (Refunding)					
Amount of Issue	\$ 101,560,000 **	\$ 47,975,000	\$ 26,785,000	\$ 26,800,000	
Life of Bond - Years		7.00	13.00	13.00	
Average Life of Bond - Years		3.00	8.10	8.10	
Average Annual Interest Rate		4.52%	3.09%	3.09%	
04-29-14					
Amount of Issue	\$ 150,000,000 **		\$ 70,000,000	\$ 80,000,000	
Life of Bond - Years			30.00	30.00	
Average Life of Bond - Years			15.59	15.59	
Average Annual Interest Rate			4.09%	4.09%	

** Consolidated Public Improvement Bonds. Sold as one issue.

WASHINGTON SUBURBAN SANITARY COMMISSION
SUMMARY OF DESCRIPTIVE DATA CONCERNING THE FOUR MAJOR TYPES
OF BONDS ISSUED FROM 2009 THROUGH JUNE 30, 2019

	<u>TOTAL</u>	<u>GENERAL CONSTRUCTION BONDS</u>	<u>WATER SUPPLY BONDS</u>	<u>SEWAGE DISPOSAL BONDS</u>	<u>STORM WATER DRAINAGE BONDS</u>
04-29-14 (Refunding)					
Amount of Issue	\$ 47,395,000 **	\$ 37,810,000	\$ 6,005,000	\$ 3,580,000	
Life of Bond - Years		8.00	2.00	2.00	
Average Life of Bond - Years		4.06	1.37	1.56	
Average Annual Interest Rate		4.76%	2.87%	3.27%	
12-02-14					
Amount of Issue	\$ 250,000,000 **		\$ 75,000,000	\$ 175,000,000	
Life of Bond - Years			30.00	30.00	
Average Life of Bond - Years			17.53	17.53	
Average Annual Interest Rate			4.05%	4.05%	
10-25-15					
Amount of Issue	\$ 390,000,000 **		\$ 185,000,000	\$ 205,000,000	
Life of Bond - Years			30.00	30.00	
Average Life of Bond - Years			18.07	18.07	
Average Annual Interest Rate			3.95%	3.95%	
11-24-15 (Refunding)					
Amount of Issue	\$ 145,325,000 **	\$ 36,100,335	\$ 71,942,788	\$ 37,281,877	
Life of Bond - Years		13	13	13	
Average Life of Bond - Years		7.39	7.39	7.39	
Average Annual Interest Rate		3.63%	3.63%	3.63%	
05-26-16					
Amount of Issue	\$ 145,000,000 **		\$ 45,000,000	\$ 100,000,000	
Life of Bond - Years			30	30	
Average Life of Bond - Years			18.15	18.15	
Average Annual Interest Rate			3.26%	3.26%	

** Consolidated Public Improvement Bonds. Sold as one issue.

**WASHINGTON SUBURBAN SANITARY COMMISSION
SUMMARY OF DESCRIPTIVE DATA CONCERNING THE FOUR MAJOR TYPES
OF BONDS ISSUED FROM 2009 THROUGH JUNE 30, 2019**

	<u>TOTAL</u>	<u>GENERAL CONSTRUCTION BONDS</u>	<u>WATER SUPPLY BONDS</u>	<u>SEWAGE DISPOSAL BONDS</u>	<u>STORM WATER DRAINAGE BONDS</u>
05-26-16 (Refunding)					
Amount of Issue	\$ 36,440,000 **	\$ 23,835,000	\$ 9,630,000	\$ 2,975,000	
Life of Bond - Years		9	4	4	
Average Life of Bond - Years		5.99	2.03	1.98	
Average Annual Interest Rate		4.57%	4.82%	4.81%	
12-01-16 (2nd Series)					
Amount of Issue	\$ 381,810,000 **		\$ 178,000,000	\$ 203,810,000	
Life of Bond - Years			30	30	
Average Life of Bond - Years			18.19	18.19	
Average Annual Interest Rate			4.27%	4.27%	
11-09-17					
Amount of Issue	\$ 459,250,000 **		\$ 220,440,000	\$ 238,810,000	
Life of Bond - Years			30	30	
Average Life of Bond - Years			18.17	18.17	
Average Annual Interest Rate			3.97%	3.97%	
11-09-17 (Refunding)					
Amount of Issue	\$ 220,180,000 **	\$ 12,310,000	\$ 75,640,000	\$ 132,230,000	
Life of Bond - Years		14	14	14	
Average Life of Bond - Years		9.37	9.37	9.37	
Average Annual Interest Rate		3.37%	3.37%	3.37%	
12-13-17 (Refunding - 2nd Series) (2019 Crossover)					
Amount of Issue	\$ 79,075,000 **	\$ 8,785,000	\$ 35,145,000	\$ 35,145,000	
Life of Bond - Years		10	10	10	
Average Life of Bond - Years		7.08	7.08	7.08	
Average Annual Interest Rate		5	5	5	

** Consolidated Public Improvement Bonds. Sold as one issue.

**WASHINGTON SUBURBAN SANITARY COMMISSION
SUMMARY OF DESCRIPTIVE DATA CONCERNING THE FOUR MAJOR TYPES
OF BONDS ISSUED FROM 2009 THROUGH JUNE 30, 2019**

	<u>TOTAL</u>	<u>GENERAL CONSTRUCTION BONDS</u>	<u>WATER SUPPLY BONDS</u>	<u>SEWAGE DISPOSAL BONDS</u>	<u>STORM WATER DRAINAGE BONDS</u>
12-20-18					
Amount of Issue	\$ 390,000,000 **	\$ 25,000,000	\$ 167,000,000	\$ 198,000,000	
Life of Bond - Years		30	30	30	
Average Life of Bond - Years		18.08	18.08	18.08	
Average Annual Interest Rate		4.16	4.16	4.16	
03-27-19 (Refunding)					
Amount of Issue	\$ 39,340,000 **	\$ 8,064,700	\$ 14,044,380	\$ 17,230,920	
Life of Bond - Years		10	10	10	
Average Life of Bond - Years		3.72	3.72	3.72	
Average Annual Interest Rate		4.87	4.87	4.87	

** Consolidated Public Improvement Bonds. Sold as one issue.

ESTIMATED DEBT SERVICE ON ALL BONDS AND NOTES
OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	BABs SUBSIDY	PRINCIPAL	TOTAL
2020	\$126,917,789.80	(\$1,789,200.00)	\$167,652,787.00	\$292,781,376.80
2021	119,813,759.62	(1,789,200.00)	170,129,747.65	288,154,307.27
2022	112,994,651.61	(1,640,100.00)	163,937,441.36	275,291,992.97
2023	109,158,557.00	(1,484,700.00)	162,204,352.84	269,878,209.84
2024	102,351,254.91	(1,323,000.00)	161,481,678.15	262,509,933.06
2025	95,667,116.15	(1,155,000.00)	160,904,592.00	255,416,708.15
2026	89,583,013.80	(978,600.00)	154,402,946.00	243,007,359.80
2027	83,943,092.76	(793,800.00)	151,773,213.00	234,922,505.76
2028	78,240,877.89	(602,700.00)	150,599,767.00	228,237,944.89
2029	72,583,619.64	(405,300.00)	143,664,869.00	215,843,188.64
2030	67,321,078.58	(203,700.00)	136,521,161.00	203,638,539.58
2031	62,272,053.76	0.00	126,943,755.00	189,215,808.76
2032	57,756,699.21	0.00	114,886,778.00	172,643,477.21
2033	53,580,208.14	0.00	97,145,842.00	150,726,050.14
2034	49,875,071.18	0.00	97,844,429.00	147,719,500.18
2035	46,356,703.18	0.00	87,660,275.00	134,016,978.18
2036	42,794,126.56	0.00	85,695,881.00	128,490,007.56
2037	39,365,050.27	0.00	83,965,940.00	123,330,990.27
2038	36,046,589.10	0.00	87,115,999.00	123,162,588.10
2039	32,463,023.30	0.00	90,566,059.00	123,029,082.30
2040	28,889,957.11	0.00	93,980,267.00	122,870,224.11
2041	25,182,068.32	0.00	97,540,000.00	122,722,068.32
2042	21,333,865.29	0.00	101,240,000.00	122,573,865.29
2043	17,345,900.01	0.00	105,090,000.00	122,435,900.01
2044	13,331,938.60	0.00	108,955,000.10	122,286,938.70
2045	9,097,720.28	0.00	93,935,000.00	103,032,720.28
2046	5,480,390.28	0.00	74,975,000.00	80,455,390.28
2047	2,647,984.43	0.00	46,950,000.00	49,597,984.43
2048	812,716.67	0.00	22,165,000.00	22,977,716.67
	<u>\$1,603,206,877.44</u>	<u>(\$12,165,300.00)</u>	<u>\$3,339,927,781.10</u>	<u>\$4,930,969,358.54</u>

The above debt service amounts combine the actual bond debt service as presented on page 7 with the illustrative analysis of estimated debt service for notes on page 3. The debt service figures on this page are not exact due to the weekly interest rate reset of the notes and the assumed long-term rate upon their conversion to bonds, but are presented to give an order of magnitude of all modes of WSSC debt.

ESTIMATED DEBT SERVICE ON GENERAL CONSTRUCTION BONDS AND NOTES
OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	BABs SUBSIDY	PRINCIPAL	TOTAL
2020	\$6,711,850.38	(\$149,100.00)	\$21,732,863.03	\$28,295,613.41
2021	5,737,020.05	(149,100.00)	20,478,085.14	26,066,005.19
2022	4,835,177.75	(136,675.00)	17,212,659.62	21,911,162.37
2023	4,507,352.12	(123,725.00)	15,077,616.88	19,461,244.00
2024	3,776,432.56	(110,250.00)	12,936,908.87	16,603,091.43
2025	3,185,570.26	(96,250.00)	11,711,118.15	14,800,438.41
2026	2,704,457.05	(81,550.00)	7,479,076.56	10,101,983.61
2027	2,402,951.17	(66,150.00)	7,556,674.65	9,893,475.82
2028	2,088,041.24	(50,225.00)	7,637,761.36	9,675,577.60
2029	1,770,946.25	(33,775.00)	6,114,100.00	7,851,271.25
2030	1,498,458.33	(16,975.00)	4,990,000.00	6,471,483.33
2031	1,280,700.00	0.00	4,010,000.00	5,290,700.00
2032	1,108,533.33	0.00	3,090,000.00	4,198,533.33
2033	962,650.00	0.00	2,380,000.00	3,342,650.00
2034	836,166.67	0.00	1,920,000.00	2,756,166.67
2035	742,750.00	0.00	1,955,000.00	2,697,750.00
2036	647,950.00	0.00	1,985,000.00	2,632,950.00
2037	551,916.67	0.00	925,000.00	1,476,916.67
2038	514,800.00	0.00	960,000.00	1,474,800.00
2039	476,266.67	0.00	1,000,000.00	1,476,266.67
2040	436,133.33	0.00	1,040,000.00	1,476,133.33
2041	394,400.00	0.00	1,080,000.00	1,474,400.00
2042	351,050.00	0.00	1,125,000.00	1,476,050.00
2043	305,900.00	0.00	1,170,000.00	1,475,900.00
2044	258,950.00	0.00	1,215,000.00	1,473,950.00
2045	210,200.00	0.00	1,260,000.00	1,470,200.00
2046	159,616.67	0.00	1,315,000.00	1,474,616.67
2047	106,850.00	0.00	1,365,000.00	1,471,850.00
2048	52,066.67	0.00	1,420,000.00	1,472,066.67
	<u>\$48,615,157.17</u>	<u>(\$1,013,775.00)</u>	<u>\$162,141,864.26</u>	<u>\$209,743,246.43</u>

The above debt service amounts combine the actual bond debt service as presented on page 8 with the illustrative analysis of estimated debt service for notes on page 3. The debt service figures on this page are not exact due to the weekly interest rate reset of the notes and the assumed long-term rate upon their conversion to bonds, but are presented to give an order of magnitude of all modes of WSSC debt.

ESTIMATED DEBT SERVICE ON WATER SUPPLY BONDS AND NOTES
OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	BABs SUBSIDY	PRINCIPAL	TOTAL
2020	\$53,392,410.38	(\$745,500.00)	\$59,859,199.68	\$112,506,110.06
2021	50,660,729.41	(745,500.00)	60,383,517.50	110,298,746.91
2022	48,013,758.39	(683,375.00)	59,793,083.50	107,123,466.89
2023	46,967,992.16	(618,625.00)	59,869,052.75	106,218,419.91
2024	44,191,183.66	(551,250.00)	60,461,850.02	104,101,783.68
2025	41,415,959.71	(481,250.00)	61,636,126.00	102,570,835.71
2026	38,885,670.76	(407,750.00)	61,390,489.89	99,868,410.65
2027	36,456,985.64	(330,750.00)	59,835,325.99	95,961,561.63
2028	34,009,102.51	(251,125.00)	58,261,148.63	92,019,126.14
2029	31,604,356.40	(168,875.00)	54,501,334.40	85,936,815.80
2030	29,394,269.41	(84,875.00)	51,355,909.55	80,665,303.96
2031	27,272,225.34	0.00	47,391,868.76	74,664,094.10
2032	25,371,597.68	0.00	43,931,182.98	69,302,780.66
2033	23,568,663.60	0.00	37,122,490.21	60,691,153.81
2034	21,952,777.91	0.00	37,319,890.44	59,272,668.35
2035	20,406,071.91	0.00	37,603,982.75	58,010,054.66
2036	18,796,335.02	0.00	37,811,730.07	56,608,065.09
2037	17,269,956.27	0.00	36,391,925.40	53,661,881.67
2038	15,826,775.18	0.00	37,745,006.76	53,571,781.94
2039	14,262,201.96	0.00	39,244,967.13	53,507,169.09
2040	12,706,576.16	0.00	40,714,721.44	53,421,297.60
2041	11,092,655.73	0.00	42,255,030.77	53,347,686.50
2042	9,417,764.05	0.00	43,849,726.10	53,267,490.15
2043	7,682,635.84	0.00	45,508,876.45	53,191,512.29
2044	5,942,135.25	0.00	47,167,543.92	53,109,679.17
2045	4,094,565.07	0.00	42,375,532.87	46,470,097.94
2046	2,453,895.62	0.00	33,295,403.26	35,749,298.88
2047	1,184,591.86	0.00	21,432,200.00	22,616,791.86
2048	347,966.67	0.00	9,490,000.00	9,837,966.67
	<u>\$694,641,809.55</u>	<u>(\$5,068,875.00)</u>	<u>\$1,327,999,117.22</u>	<u>\$2,017,572,051.77</u>

The above debt service amounts combine the actual bond debt service as presented on page 9 with the illustrative analysis of estimated debt service for notes on page 3. The debt service figures on this page are not exact due to the weekly interest rate reset of the notes and the assumed long-term rate upon their conversion to bonds, but are presented to give an order of magnitude of all modes of WSSC debt.

ESTIMATED DEBT SERVICE ON SEWAGE DISPOSAL BONDS AND NOTES
OUTSTANDING AS OF JUNE 30, 2019

FISCAL	INTEREST	BABs SUBSIDY	PRINCIPAL	TOTAL
2020	\$64,598,169.67	(\$894,600.00)	\$67,607,937.29	\$131,311,506.96
2021	61,403,445.71	(894,600.00)	69,363,397.36	129,872,243.07
2022	58,321,758.20	(820,050.00)	68,754,256.88	126,255,965.08
2023	56,030,827.80	(742,350.00)	68,938,330.37	124,226,808.17
2024	52,900,943.37	(661,500.00)	70,351,241.11	122,590,684.48
2025	49,741,589.34	(577,500.00)	71,862,755.85	121,026,845.19
2026	46,809,837.89	(489,300.00)	71,490,433.55	117,810,971.44
2027	44,030,910.57	(396,900.00)	70,207,999.36	113,842,009.93
2028	41,223,584.74	(301,350.00)	70,396,090.01	111,318,324.75
2029	38,420,371.67	(202,650.00)	68,899,565.60	107,117,287.27
2030	35,772,239.96	(101,850.00)	65,894,090.45	101,564,480.41
2031	33,196,157.57	0.00	61,128,131.24	94,324,288.81
2032	30,887,078.73	0.00	53,653,817.02	84,540,895.75
2033	28,792,582.63	0.00	43,387,509.79	72,180,092.42
2034	26,963,959.58	0.00	44,215,109.56	71,179,069.14
2035	25,182,428.24	0.00	44,431,017.25	69,613,445.49
2036	23,349,624.57	0.00	45,893,269.93	69,242,894.50
2037	21,543,019.42	0.00	46,643,074.60	68,186,094.02
2038	19,704,915.65	0.00	48,404,993.24	68,109,908.89
2039	17,724,516.65	0.00	50,315,032.87	68,039,549.52
2040	15,747,246.06	0.00	52,225,278.56	67,972,524.62
2041	13,695,012.59	0.00	54,204,969.23	67,899,981.82
2042	11,565,051.24	0.00	56,265,273.90	67,830,325.14
2043	9,357,364.17	0.00	58,411,123.55	67,768,487.72
2044	7,130,853.35	0.00	60,572,456.18	67,703,309.53
2045	4,792,955.21	0.00	50,299,467.13	55,092,422.34
2046	2,866,877.99	0.00	40,364,596.74	43,231,474.73
2047	1,356,542.57	0.00	24,152,800.00	25,509,342.57
2048	412,683.33	0.00	11,255,000.00	11,667,683.33
	<u>\$843,522,548.47</u>	<u>(\$6,082,650.00)</u>	<u>\$1,609,589,018.62</u>	<u>\$2,447,028,917.09</u>

The above debt service amounts combine the actual bond debt service as presented on page 10 with the illustrative analysis of estimated debt service for notes on page 3. The debt service figures on this page are not exact due to the weekly interest rate reset of the notes and the assumed long-term rate upon their conversion to bonds, but are presented to give an order of magnitude of all modes of WSSC debt.