

Great Lakes Water Authority			Great Lakes Water Authority			Great Lakes Water Authority			Great Lakes Water Authority			Great Lakes Water Authority			Great Lakes Water Authority		
Water System Senior Lien Series 2016A/C			Water System Second Lien Series 2016B/D			Sewer System Senior Lien Series 2016B			Sewer System Second Lien Series 2016C			Water System Second Lien Series 2018A			Sewer System Senior Lien Series 2018A/B/C		
Sale Date	10/13/2016		Sale Date	10/13/2016		Sale Date	10/13/2016		Sale Date	10/13/2016		Sale Date	9/17/2018		Sale Date	9/17/2018	
Senior Managers	Citigroup		Senior Managers	Citigroup		Senior Managers	Citigroup		Senior Managers	Citigroup		Senior Managers	Citigroup		Senior Managers	Citigroup	
	Goldman, Sachs & Co.			Goldman, Sachs & Co.			Goldman, Sachs & Co.			Goldman, Sachs & Co.			Wells Fargo Securities			Wells Fargo Securities	
Co-Managers	Barclays		Co-Managers	Barclays		Co-Managers	Barclays		Co-Managers	Barclays		Co-Managers	Goldman, Sachs & Co.		Co-Managers	Goldman, Sachs & Co.	
	J.P. Morgan			J.P. Morgan			J.P. Morgan			J.P. Morgan			J.P. Morgan			J.P. Morgan	
	Morgan Stanley			Morgan Stanley			Morgan Stanley			Morgan Stanley			Morgan Stanley			Morgan Stanley	
	Siebert Cisneros Shank & Co.			Siebert Cisneros Shank & Co.			Siebert Cisneros Shank & Co.			Siebert Cisneros Shank & Co.			Siebert Cisneros Shank & Co.			Siebert Cisneros Shank & Co.	
	Ramirez & Co.			Ramirez & Co.			Ramirez & Co.			Ramirez & Co.			Ramirez & Co.			Ramirez & Co.	
	Wells Fargo Securities			Wells Fargo Securities			Wells Fargo Securities			Wells Fargo Securities							
Ratings	M / S&P / F	A3 / A- / A	Ratings	M / S&P / F	Baa1 / BBB+ / A-	Ratings	M / S&P / F	A3 / A- / A	Ratings	M / S&P / F	Baa1 / BBB+ / A-	Ratings	M / S&P / F	A3 / A+ / A-	Ratings	M / S&P / F	A2 / A+ / A
Total Size	531,930,000		Total Size	385,875,000		Total Size	126,105,000		Total Size	295,190,000		Total Size	155,595,000		Total Size	257,465,000	
Total Takedown	1,462,808		Total Takedown	1,030,871		Total Takedown	346,789		Total Takedown	808,210		Total Takedown	388,988		Total Takedown	643,663	
Average Takedown	2.75		Average Takedown	2.67		Average Takedown	2.75		Average Takedown	2.74		Average Takedown	2.50		Average Takedown	2.50	
<u>Years to Maturity</u>	<u>Principal</u>	<u>Takedown (\$/\$1000)</u>	<u>Years to Maturity</u>	<u>Principal</u>	<u>Takedown (\$/\$1000)</u>	<u>Years to Maturity</u>	<u>Principal</u>	<u>Takedown (\$/\$1000)</u>	<u>Years to Maturity</u>	<u>Principal</u>	<u>Takedown (\$/\$1000)</u>	<u>Years to Maturity</u>	<u>Principal</u>	<u>Takedown (\$/\$1000)</u>	<u>Years to Maturity</u>	<u>Principal</u>	<u>Takedown (\$/\$1000)</u>
												1	8,170,000	2.50			
												2	12,180,000	2.50	2	4,245,000	2.50
												3	12,785,000	2.50	3	5,370,000	2.50
												4	13,420,000	2.50	4	7,555,000	2.50
												5	12,965,000	2.50	5	16,470,000	2.50
												6	13,925,000	2.50	6	20,975,000	2.50
												7	14,030,000	2.50	7	16,805,000	2.50
												8	15,755,000	2.50	8	11,075,000	2.50
												9	15,690,000	2.50	9	11,295,000	2.50
												10	18,165,000	2.50	10	44,690,000	2.50
									11	380,000	2.75	11	18,510,000	2.50	11	53,975,000	2.50
															12	2,130,000	2.50
															13	2,235,000	2.50
									14	32,275,000	2.75				14	2,345,000	2.50
									15	33,895,000	2.75				15	2,465,000	2.50
									16	1,505,000	2.75				16	2,585,000	2.50
									17	4,750,000	2.00				17	2,720,000	2.50
									18	19,245,000	2.75				18	2,850,000	2.50
									19	50,580,000	2.75				19	2,995,000	2.50
									20	152,560,000	2.75				20	3,145,000	2.50
															21	3,305,000	2.50
															22	3,465,000	2.50
															23	3,645,000	2.50
															24	3,820,000	2.50
															25	4,015,000	2.50
															26	4,215,000	2.50
															27	4,425,000	2.50
															28	4,645,000	2.50
															29	4,880,000	2.50
															30	5,125,000	2.50
30	88,000,000	2.75	30	163,830,000	2.75												

DC Water			Southern California Public Power Authority			Turlock Irrigation District			Municipal Electric Authority of Georgia			City of Portland Oregon - Water Second Lien			City of Bridgeport		
Series 2019A/D			Series 2019			Series 2020			Series 2019A			Series 2019A			Series 2019C		
Sale Date	10/8/2019		Sale Date	10/3/2019		Sale Date	9/24/2019		Sale Date	9/18/2019		Sale Date	10/3/2019		Sale Date	10/10/2019	
Senior Managers	Siebert Cisneros Shank J.P. Morgan		Senior Managers	Wells Fargo Securities		Senior Managers	Goldman, Sachs & Co.		Senior Managers	Goldman, Sachs & Co.		Senior Managers	Citigroup		Senior Managers	Raymond James	
Co-Managers	FTN Financial Jefferies LLC Morgan Stanley Raymond James Stern Brothers & Co.		Co-Managers	TD Securities Siebert Cisneros Shank & Co.		Co-Managers	Citigroup		Co-Managers	Wells Fargo Securities Barclays BAML PNC Capital Markets TD Securities		Co-Managers	Wells Fargo Securities J.P. Morgan Morgan Stanley D.A. Davidson & Co.		Co-Managers	Mesirow Financial Oppenheimer FTN Financial	
Ratings	M / S&P / F	Aa2 / AA+ / AA	Ratings	M / S&P / F	NR / AA- / AA	Ratings	M / S&P / F	NR / AA- / AA-	Ratings	M / S&P / F	A2 / A / BBB+	Ratings	M / S&P / F	Aa1 / NR / NR	Ratings	M / S&P / F	Baa1 / AA / A
Total Size	447,170,000		Total Size	111,920,000		Total Size	137,150,000		Total Size	445,635,000		Total Size	112,005,000		Total Size	125,405,000	
Total Takedown	1,750,879		Total Takedown	184,008		Total Takedown	411,450		Total Takedown	1,710,364		Total Takedown	224,010		Total Takedown	582,888	
Average Takedown	3.92		Average Takedown	1.64		Average Takedown	3.00		Average Takedown	3.84		Average Takedown	2.00		Average Takedown	4.65	
<u>Years to Maturity</u>	<u>Principal</u>	<u>Takedown (\$/\$1000)</u>	<u>Years to Maturity</u>	<u>Principal</u>	<u>Takedown (\$/\$1000)</u>	<u>Years to Maturity</u>	<u>Principal</u>	<u>Takedown (\$/\$1000)</u>	<u>Years to Maturity</u>	<u>Principal</u>	<u>Takedown (\$/\$1000)</u>	<u>Years to Maturity</u>	<u>Principal</u>	<u>Takedown (\$/\$1000)</u>	<u>Years to Maturity</u>	<u>Principal</u>	<u>Takedown (\$/\$1000)</u>
1	1,650,000	1.25	1	5,975,000	1.50	2	1,220,000	3.00				1	2,520,000	2.00			
2	1,625,000	2.50	2	9,625,000	1.50	3	4,115,000	3.00				2	2,475,000	2.00			
3	1,650,000	2.50	3	10,105,000	1.50	4	4,315,000	3.00				3	2,600,000	2.00			
4	1,680,000	2.50	4	10,590,000	1.50	5	4,530,000	3.00				4	2,730,000	2.00			
5	1,710,000	2.50	5	11,115,000	1.50	6	4,760,000	3.00				5	2,865,000	2.00			
6	1,745,000	2.75	6	11,675,000	1.75	7	4,995,000	3.00	6	4,035,000	3.75	6	3,010,000	2.00			
7	1,780,000	2.75	7	12,255,000	1.75	8	5,245,000	3.00	7	4,235,000	3.75	7	3,160,000	2.00			
8	1,815,000	2.75	8	12,870,000	1.75	9	5,510,000	3.00	8	4,450,000	3.75	8	3,320,000	2.00			
9	1,855,000	2.75	9	13,520,000	1.75	10	5,785,000	3.00	9	4,665,000	3.75	9	3,485,000	2.00			
10	1,895,000	2.75	10	14,190,000	1.75	11	6,075,000	3.00	10	4,905,000	3.75	10	3,660,000	2.00	10	1,000,000	3.75
11	1,940,000	3.50				12	6,375,000	3.00	11	5,145,000	3.75	11	3,840,000	2.00			
12	1,985,000	3.50				13	6,695,000	3.00	12	5,405,000	3.75	12	4,035,000	2.00			
13	2,035,000	3.50				14	7,030,000	3.00	13	5,675,000	3.75	13	4,235,000	2.00			
14	2,090,000	3.50				15	7,380,000	3.00	14	5,955,000	3.75	14	4,445,000	2.00			
15	2,145,000	3.50				16	7,750,000	3.00	15	6,255,000	3.75	15	4,670,000	2.00	15	34,310,000	3.75
						17	8,140,000	3.00	16	6,570,000	3.75	16	4,905,000	2.00			
						18	8,550,000	3.00	17	6,895,000	3.75	17	5,150,000	2.00			
	2,290,000	3.75				19	8,975,000	3.00	18	7,245,000	3.75	18	5,405,000	2.00			
	6,455,000	3.75				20	9,425,000	3.00	19	7,605,000	3.75	19	5,675,000	2.00			
20	18,480,000	3.75				21			20	7,985,000	3.75	20	5,900,000	2.00	20	40,885,000	5.00
						22	20,280,000	3.00					2.00				
						23			21								
						24			22								
						25			23								
25	39,310,000	4.00							24								
									25	45,400,000	3.75	25	33,920,000	2.00	25	49,210,000	5.00
									26								
28	303,855,000	4.00							27								
									28								
30	49,180,000	4.00							29								
									30-40	156,280,000	3.75						
									40-50	156,930,000	4.00						

CPS Energy (San Antonio) Series 2019C			Racine County Series 2019B			Indiana Municipal Power Agency Series 2019A			Ohio Water Development Authority Series 2019A			MA School Building Authority Series 2019B			Solano Community District College Series 2019		
Sale Date	10/17/2019		Sale Date	10/23/2019		Sale Date	10/24/2019		Sale Date	11/5/2019		Sale Date	11/6/2019		Sale Date	11/13/2019	
Senior Managers	Citigroup		Senior Managers	Morgan Stanley		Senior Managers	Citigroup		Senior Managers	Loop Capital Markets		Senior Managers	BAML		Senior Managers	Piper Jaffray	
Co-Managers	Frost Bank Ramirez & Co. Piper Jaffray & Co. UBS		Co-Managers	R.W. Baird BAML J.P. Morgan Stifel Nicolaus		Co-Managers	BAML Goldman, Sachs & Co. J.P. Morgan PNC Capital Markets Stifel Nicolaus		Co-Managers	UBS Drexel Hamilton Goldman, Sachs & Co. Hutchinson Shockey		Co-Managers	Barclays Ramirez Citigroup Jeffries Morgan Stanley RBC UBS Wells Fargo Securities		Co-Managers	RBC	
Ratings	M / S&P / F	Aa2 / AA- / AA+	Ratings	M / S&P / F	Aa2 / AA / NR	Ratings	M / S&P / F	A1 / A+ / A+	Ratings	M / S&P / F	Aaa / AAA / NR	Ratings	M / S&P / F	Aaa / AA / AA	Ratings	M / S&P / F	Aa3 / A+ / NR
Total Size	252,640,000		Total Size	110,000,000		Total Size	123,100,000		Total Size	150,000,000		Total Size	715,420,000		Total Size	112,650,000	
Total Takedown	947,400		Total Takedown	412,500		Total Takedown	430,850		Total Takedown	600,000		Total Takedown	2,164,360		Total Takedown	337,950	
Average Takedown	3.75		Average Takedown	3.75		Average Takedown	3.50		Average Takedown	4.00		Average Takedown	3.03		Average Takedown	3.00	
<u>Years to Maturity</u>	<u>Principal</u>	<u>Takedown (\$/\$1000)</u>	<u>Years to Maturity</u>	<u>Principal</u>	<u>Takedown (\$/\$1000)</u>	<u>Years to Maturity</u>	<u>Principal</u>	<u>Takedown (\$/\$1000)</u>	<u>Years to Maturity</u>	<u>Principal</u>	<u>Takedown (\$/\$1000)</u>	<u>Years to Maturity</u>	<u>Principal</u>	<u>Takedown (\$/\$1000)</u>	<u>Years to Maturity</u>	<u>Principal</u>	<u>Takedown (\$/\$1000)</u>
			1	4,920,000	3.75							1	3,830,000	1.25	1	2,080,000	3.00
			2	4,420,000	3.75	2	2,645,000	3.50				2	5,110,000	1.25	2	240,000	3.00
			3	4,510,000	3.75	3	3,415,000	3.50				3	25,155,000	2.25	3	245,000	3.00
			4	4,600,000	3.75	4	3,590,000	3.50				4	24,910,000	2.25	4	245,000	3.00
			5	4,690,000	3.75	5	3,770,000	3.50				5	4,720,000	2.25	5	590,000	3.00
			6	4,790,000	3.75	6	3,955,000	3.50				6	4,825,000	2.25	6	825,000	3.00
			7	4,895,000	3.75	7	4,150,000	3.50				7	4,935,000	2.75	7	1,085,000	3.00
			8	5,015,000	3.75	8	4,360,000	3.50				8	45,280,000	2.75	8	1,355,000	3.00
			9	5,135,000	3.75	9	4,575,000	3.50				9	4,115,000	2.75	9	1,640,000	3.00
			10	5,265,000	3.75	10	4,810,000	3.50	10	2,000,000	4.00	10	4,225,000	2.75	10	1,950,000	3.00
			11	5,400,000	3.75	11	5,050,000	3.50	11	4,000,000	4.00	11	4,340,000	3.00	11	2,275,000	3.00
			12	5,545,000	3.75	12	5,300,000	3.50	12	6,000,000	4.00	12	50,590,000	3.00	12	2,620,000	3.00
			13	5,700,000	3.75	13	5,565,000	3.50	13	6,000,000	4.00	13	52,090,000	3.00	13	2,990,000	3.00
14	3,390,000	3.75	14	5,865,000	3.75	14	5,845,000	3.50	14	6,000,000	4.00	14	53,650,000	3.00	14	3,380,000	3.00
15	53,790,000	3.75	15	6,035,000	3.75	15	6,135,000	3.50	15	6,000,000	4.00	15	55,280,000	3.00	15	3,800,000	3.00
16	53,330,000	3.75				16	6,415,000	3.50	16	6,000,000	4.00						
17	55,440,000	3.75	17	12,640,000	3.75	17	6,720,000	3.50	17	13,000,000	4.00						
18	57,500,000	3.75				18	6,990,000	3.50	18	22,000,000	4.00						
19	6,490,000	3.75				19	7,340,000	3.50	19	24,000,000	4.00						
20	7,005,000	3.75	20	20,575,000	3.75	20	7,630,000	3.50	20	20,000,000	4.00				20	20,790,000	3.00
						21	7,935,000	3.50				21	372,365,000	3.25			
22	15,695,000	3.75				22	8,285,000	3.50									
						23	8,620,000	3.50									
									25	35,000,000	4.00				25	31,535,000	3.00
															28	35,005,000	3.00