

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	1,480,000	2.75	8	4,610,000	2.75				8	15,755,000	2.50	8	11,075,000	2.50
			9	1,505,000	2.75	9	9,455,000	2.75				9	15,690,000	2.50	9	11,295,000	2.50
			10	1,680,000	2.75	10	380,000	2.75				10	18,165,000	2.50	10	44,690,000	2.50
			11	2,680,000	2.75	11	405,000	2.75				11	18,510,000	2.50	11	53,975,000	2.50
			12	2,705,000	2.75				11	380,000	2.75				12	2,130,000	2.50
			13	3,365,000	2.75										13	2,235,000	2.50
			14	25,900,000	2.75	14	27,710,000	2.75							14	2,345,000	2.50
			15	27,200,000	2.75	15	16,935,000	2.75		14	32,275,000	2.75			15	2,465,000	2.50
			16	28,560,000	2.75	16	3,500,000	2.75		15	33,895,000	2.75			16	2,585,000	2.50
			17	40,380,000	2.00	17	20,670,000	2.75		16	1,505,000	2.75			17	2,720,000	2.50
						18	42,440,000	2.75		17	4,750,000	2.00			18	2,850,000	2.50
										18	19,245,000	2.75			19	2,995,000	2.50
			19	1,205,000	2.75					19	50,580,000	2.75			20	3,145,000	2.50
			20	85,385,000	2.75					20	152,560,000	2.75			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	88,000,000	2.75	30	163,830,000	2.75										30	5,125,000	2.50

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