

## Charleston Water System, South Carolina

- 1 City of Charleston, South Carolina, Waterworks and Sewer System Refunding Revenue Bonds, Series 2016B, \$47,455,000, Dated: September 29, 2016
- 2 City of Charleston, South Carolina, Waterworks and Sewer System Refunding Revenue Bonds, Series 2016A, \$59,035,000, Dated: June 8, 2016
- 3 City of Charleston, South Carolina, Waterworks and Sewer System Refunding Revenue Bonds, Series 2016, \$56,820,000, Dated: April 14, 2016
- 4 City of Charleston, South Carolina Waterworks and Sewer System Capital Improvement Revenue Bonds Series 2015, \$140,105,000, Dated: July 29, 2015
- 5 City of Charleston, South Carolina Waterworks and Sewer System Refunding Revenue Bonds Series 2012, \$110,600,000, Dated: May 22, 2012
- 6 City of Charleston, South Carolina Waterworks and Sewer System Refunding and Capital Improvement Revenue Bonds Series 2010, \$131,040,000, Dated: December 14, 2010
- 7 City of Charleston, South Carolina Waterworks and Sewer System Refunding Revenue Bonds Series 2009A, \$33,760,000, Dated: May 26, 2009
- 8 City of Charleston, South Carolina Waterworks and Sewer System Refunding Revenue Bonds Series 2009, \$50,030,000, Dated: March 24, 2009
- 9 City of Charleston, South Carolina Waterworks and Sewer System Refunding Revenue Bonds Series 2007, \$41,990,000, Dated: December 18, 2007, Date of Reoffering: August 16, 2012 (NAR)
- 10 City of Charleston, South Carolina Waterworks and Sewer System Capital Improvement Revenue Bonds Series 2006B, \$130,000,000, Dated: April 27, 2006; Remarketed April 30, 2016 (NAR)

Series 2016, 2015, 2012, 2010, 2009A, 2009

### Historical Average Number of Treated Water Accounts

Fiscal Year Ended December 31

Year	Inside City Retail				
	Domestic	Commercial	Industrial	Government	City Inst.
2016	43,129	5,765	10	315	82
Year	Outside City Retail				
	Domestic	Commercial	Industrial	Government	City Inst.
2016	59,441	7,085	32	221	46
Year	Outside City Wholesale				
	Municipal	Subdivisions	Purchased Capacity	Total	
2016	10	1	6	116,143	

Series 2016, 2015, 2012, 2010, 2009A, 2009

### Historical Billable Water Consumption

Fiscal Year Ended December 31

Year	Inside City Retail				
	Domestic Ccf	Commercial Ccf	Industrial Ccf	Government Ccf	City Inst. Ccf
2016	3,712,683	2,744,175	562,916	671,974	121,484
Year	Outside City Retail				
	Domestic Ccf	Commercial Ccf	Industrial Ccf	Government Ccf	City Inst. Ccf
2016	4,651,534	3,740,122	158,672	182,261	12,025
Year	Outside City Wholesale				
	Municipal Ccf	Subdivisions Ccf	Purchased Capacity Ccf	Department of Defense Ccf	Total Ccf
2016	3,598,822	32,411	3,306,652	494,681	23,990,412

Series 2016, 2015, 2012, 2010, 2009A, 2009

**Largest Water Users**

Fiscal Year Ended December 31, 2016

<u>Customer Name</u>	<u>Annual Revenue</u> <u>(thousands)</u>	<u>Volume Sales</u> <u>(million gallons (MG))</u>
St. Johns Water	\$5,186	1,816
Dorchester County	2,108	723
Mt. Pleasant Waterworks	1,448	2,014
Kapstone Paper & Packaging	912	402
Joint Base Charleston	770	370
MUSC	667	251
Folly Island Water Department	518	180
Boeing Commercial Airplanes SC	435	98
Charleston County School District	394	87
CMMC, LLC	369	84
Total Revenues - Largest Customers	\$12,807	

Series 2016, 2015, 2012, 2010, 2009A, 2009

**Comparative General Statistics**

Fiscal Year Ended December 31

**WATER UTILITY**

	<u>2016</u>
Miles of Pipe	1,758
Number of Hydrants	9,427
Total Active Accounts	116,143
Total Annual Sale (BGY) Consumption	17.9
Total Annual Pumpage (BGY)	22.0
Total Annual Billing in Million Dollars	\$71.1

**Average Gallons Used Per Day**

Domestic Accounts	167
Non-Domestic Account	1,362

**Average Monthly Bill - Domestic**

Inside Rate	\$20.75
Outside Rate	\$35.55
Average Consumption Per Account (Ccf)	7

**Average Monthly Bill - Non-Domestic**

Inside Rate	\$102.35
Outside Rate	\$191.07
Average Consumption Per Account (Ccf)	55

Series 2016, 2015, 2012, 2010, 2009A, 2009

**Historical Average Number of Wastewater Accounts**

Fiscal Year Ended December 31

Year	Inside City Retail				
	Domestic	Commercial	Industrial	Government	City Inst.
2016	41,532	5,052	4	271	62

  

Year	Outside City Retail				
	Domestic	Commercial	Industrial	Government	City Inst.
2016	6,484	647	0	3	0

  

Year	Outside City Wholesale				Total
	James Island PSD	Hollywood/Petersfield	Ravenel	Meggett	
2016	1	1	1	1	54,059

Series 2016, 2015, 2012, 2010, 2009A, 2009

**Historical Billable Wastewater Consumption**

Fiscal Year Ended December 31

Year	Inside City Retail				
	Domestic Ccf	Commercial Ccf	Industrial Ccf	Government Ccf	City Inst. Ccf
2016	2,583,306	2,463,466	1,401	578,463	26,128

  

Year	Outside City Retail				
	Domestic Ccf	Commercial Ccf	Industrial Ccf	Government Ccf	City Inst. Ccf
2016	372,470	103,109	0	556	0

  

Year	Outside City Wholesale				Total Ccf
	James Island PSD Ccf	Hollywood/Petersfield Ccf	Ravenel Ccf	Meggett Ccf	
2016	1,405,374	116,475	10,587	2,671	7,664,006

Series 2016, 2015, 2012, 2010, 2009A, 2009

**Largest Wastewater Users**

Fiscal Year Ended December 31, 2016

Customer Name	Annual Revenue (thousands)	Volume Sales (million gallons (MG))
James Island Public Service Distric	\$2,085	1,051
Medical University of South Carolina	2,028	206
City of Charleston Housing Authority	1,032	105
College of Charleston	694	69
Roper St. Francis Healthcare	649	67
The Citadel	619	63
Mid-America Apartment LP	407	41
Charleston County School District	384	32
VA Hospital	350	36
Town of Hollywood	325	87
Total Revenues - Largest Customers	\$8,573	

Series 2016, 2015, 2012, 2010, 2009A, 2009

**Comparative General Statistics**

Fiscal Year Ended December 31

**WASTEWATER UTILITY**

	<u>2016</u>
Miles of Gravity Pipe	578.00
Miles of Force Main	121.00
Miles of Six-inch Service Lines	173.17
Number of Lift Stations	203
Miles of Tunnels	11.8
Number of Tunnel Shafts	19
Treatment Capacity (MGD)	36.90
Total Annual Treatment (BGY)	9.41
Maximum Day Treatment (MGD)	57.99
Average Day Treatment (MGD)	25.70
Total Active Accounts	54,059
Total Annual Billing in Million Dollars	\$58.9

**Average Monthly Bill - Inside Rate**

Domestic	\$49.10
Average Consumption Per Account (Ccf)	5
Non-Domestic	\$357.95
Average Consumption Per Account (Ccf)	47

**Average Monthly Bill - Outside Rate**

Domestic	\$68.03
Average Consumption Per Account (Ccf)	5
Non-Domestic	\$149.13
Average Consumption Per Account (Ccf)	13

Series 2016B, 2016A, 2016, 2015, 2012

**Any Annual Financial Information containing modified operating data or financial information is required to explain, in narrative form, the reasons for the modification and the impact of the change in the type of operating data or financial information being provided**

Fiscal Year Ended December 31, 2016

Comparative General Statistics - Wastewater Utility  
In the 2016 CAFR -- 2015 miles of six-inch service lines was corrected to 149.8 miles. The prior value was 145.8 miles.