



Southeast Stormwater Utility Report

2021

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The Southeast Stormwater Association

The Southeast Stormwater Association was formed in 2005 to assist stormwater professionals in the Southeast as they seek solutions to surface water quality and stormwater management challenges. SESWA's boundaries mirror those of EPA Region IV and include the states of Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee. With a primary focus on services to stormwater professionals in city and county governments, membership is also available to those in state, regional and local governments, the private sector, non-profit organizations, and academia.

SESWA is the only regional stormwater association dedicated to improving surface water quality and advancing the interests of stormwater professionals and programs. Industry leading services include:

- Providing the “best-of-the-best” education and training for stormwater professionals.
- Advocating for the interests of stormwater programs in the decision-making processes of regulatory agencies and the courts.
- Researching, collecting, and distributing information about stormwater management practices, water quality, and the creation/operation of stormwater utilities and other financing mechanisms.
- Promoting and enhancing the effective management and operation of stormwater management systems.



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Acknowledgements

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Introduction

The Southeast Stormwater Association was created to assist professionals in the public and private sectors seeking to address problems associated with surface water quality and stormwater management. Researching, collecting, and disseminating information about stormwater utilities and stormwater management practices is one of the services that SESWA provides.

This Report presents the results of SESWA's eighth biennial Survey of Stormwater Utilities in the southeastern United States. Its purpose is to provide useful information for managers and policymakers concerning practices and trends in this important financing tool. Information on Stormwater Utilities in Florida may be viewed by visiting the [Florida Stormwater Association's](#) website under the Member Services tab.

Stormwater regulations, policies and technologies are constantly changing. Stormwater utilities are a viable "user fee" funding option for cities and counties to consider. Stormwater utility fees can be used to help fund administrative costs, operations and maintenance, retrofits, and capital improvements for flood control and water quality improvements.

How to Use This Report

SESWA has identified 112 jurisdictions with stormwater utilities in 2021. Of those there were 105 respondents, representing 136 jurisdictions, who completed and returned the survey. Data in this Report is based on information provided by respondents and is not necessarily a reflection of the Southeast as a whole. Questions with no response are noted as "NR" and questions that didn't apply are noted as "N/A."

The Southeast presents many challenges for collecting data as there are many variables in the way stormwater utility fees are structured, administered and collected. Some of the information reported (e.g., fees or ERU size) may have been adjusted so that a common basis to display the information can be shown in this Report.

We hope you find this Report to be a valuable resource. A list of respondents can be found at the end of this Report. For more information on SESWA, or to order additional reports, please contact us at www.SESWA.org or (866) 367-7379.

Utility Characteristics



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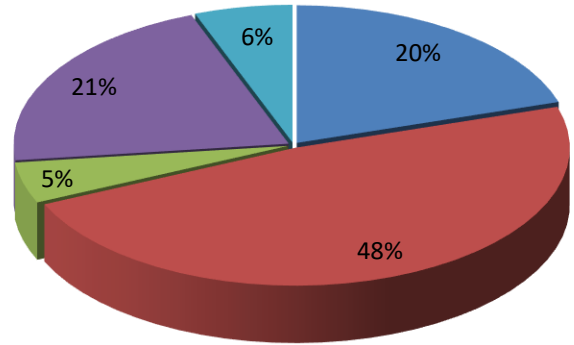
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Utility Characteristics

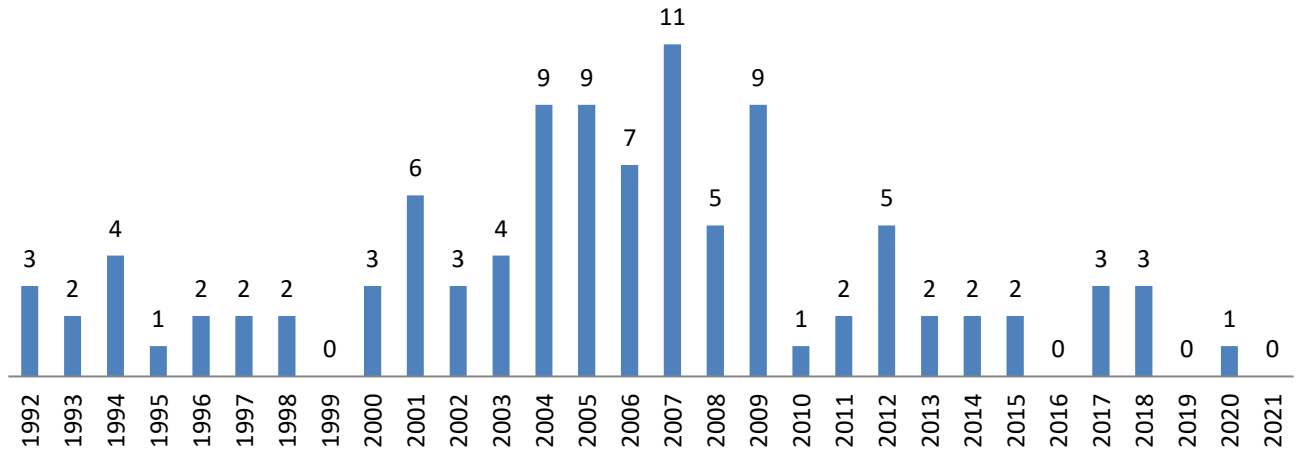
1-1. How is your utility organized?

- Separate Department of Local Government - 20%
- Combined with Department of Public Works - 48%
- Combined with Wastewater Utility - 5%
- *Combined with Other Department - 21%
- Authority or District Separate from Local Government - 6%



*Respondents provided the following comments to *Combined with Other Departments*: 1) Engineering, Community Development, 2) Environmental Quality, Public Works, and 3) Water.

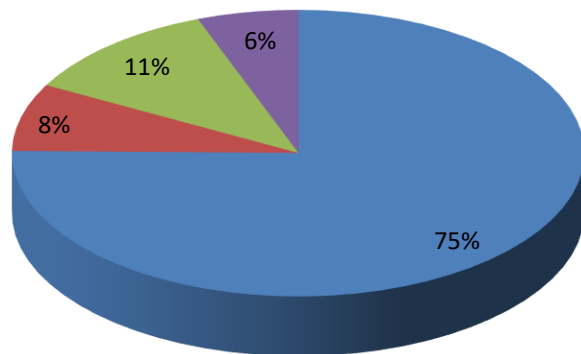
1-2. What year was your stormwater utility established?



Note: Data only reflects respondent information reported in 2021.

1-3. What jurisdiction does your utility serve?

- City Only - 75%
- City and Unincorporated County - 8%
- Unincorporated County Only - 11%
- *Other - 6%



*Respondents provided the following comments to *Other*: 1) Other Defined Area, 2) Merged City-County Governments, and 3) 22 cities total.

Utility Characteristics

1-4. What is the physical area served by your utility?

1-5. What is the population served by your utility?

1-6. How many accounts does your utility serve?

Average Acres Served is 89,912. 2019 average was 81,033.

Average Population is 98,710. 2019 average was 91,173.

Average number of Residential Accounts is 31,617. 2019 average was 27,423.

Average number of Non-Residential Accounts is 4,441. 2019 average was 4,494.

Jurisdiction	State	Physical Area in Acres	Population Served	Residential Accounts	Non-Residential Accounts
Barrow County	GA	104,217	69,367	NR	NR
Beaufort County	SC	378,492	99,115	28,205	37,862
Berkeley County	SC	547,824	220,000	76,295	4,673
Charleston County	SC	240,000	115,000	29,480	11,830
City of Anderson	SC	9,000	26,700	11,009	1,368
City of Archdale	NC	5,284	12,105	4,055	968
City of Asheville	NC	29,274	92,870	23,803	4,868
City of Athens / Clarke County	GA	77,440	123,912	29,292	3,793
City of Auburn	GA	4,480	7,303	2,696	118
City of Belmont	NC	7,300	12,046	5,897	NR
City of Birmingham	AL	95,010	212,237	43,862	5,872
City of Bristol	TN	21,105	26,626	10,530	1,511
City of Brunswick	GA	10,944	16,300	4,232	2,628
City of Charleston	SC	90,880	156,536	135,000	NR
City of Charlotte	NC	196,700	890,000	190,000	24,000
City of Chattanooga	TN	95,152	182,799	55,839	8,395
City of Clarkston	GA	780	14,800	1,775	132
City of Cleveland	TN	19,624	44,595	14,649	2,560
City of Concord	NC	40,666	95,453	NR	NR
City of Conway	SC	15,281	23,714	7,140	957
City of Covington	GA	10,180	14,598	4,967	1,117
City of Duluth	GA	6,643	30,000	NR	NR
City of Dunwoody	GA	8,476	48,992	12,657	618
City of East Point	GA	8,640	35,000	9,708	743
City of Fairburn	GA	10,925	15,882	4,538	407
City of Fayetteville	GA	7,104	17,519	6,200	1,500
City of Folly Beach	SC	13,200	2,700	2,270	300
City of Garden City	GA	9,344	9,100	3,025	575
City of Gastonia	NC	33,000	75,887	30,500	3,500
City of Georgetown	SC	4,416	8,742	7,571	1,995
City of Goodlettsville	TN	9,152	16,950	5,724	1,008

Utility Characteristics

(continued)

Jurisdiction	State	Physical Area in Acres	Population Served	Residential Accounts	Non- Residential Accounts
City of Greenville	NC	24,094	84,986	30,106	9,704
City of Greenville	SC	19,048	58,409	20,422	4,781
City of Griffin	GA	9,558	23,464	8,582	1,521
City of Grovetown	GA	3,072	19,000	5,219	136
City of Hendersonville	TN	24,320	60,000	22,000	0
City of High Point	NC	36,992	115,526	38,180	2,983
City of Holly Springs	GA	5,142	15,820	5,359	209
City of Isle of Palms	SC	3,200	4,300	4,600	1,120
City of La Vergne	TN	16,064	35,411	NR	NR
City of Lawrenceville	GA	8,640	33,132	6,507	2,457
City of Loganville	GA	NR	13,293	4,530	791
City of Maryville	TN	8,960	28,500	8,694	1,042
City of Monroe	NC	19,291	35,100	10,968	1,613
City of Murfreesboro	TN	40,934	122,904	37,335	2,465
City of Murray	KY	7,232	17,741	5,107	979
City of Myrtle Beach	SC	15,181	36,459	16,294	4,036
City of Norcross	GA	4,800	16,850	4,103	637
City of North Augusta	SC	16,344	22,229	9,695	477
City of North Charleston	SC	52,735	110,861	27,544	4,147
City of North Myrtle Beach	SC	14,538	17,303	12,407	1,895
City of Peachtree City	GA	16,282	36,275	12,527	535
City of Peachtree Corners	GA	11,117	43,268	112,797	9,273
City of Perry	GA	18,099	19,929	6,719	513
City of Powder Springs	GA	4,723	15,758	5,669	320
City of Raleigh	NC	94,336	469,298	111,252	38,748
City of Richland	MS	92,160	7,200	1,500	NR
City of Rocky Mount	NC	28,848	54,548	24,996	2,359
City of Roswell	GA	26,880	94,786	24,733	1,075
City of Salisbury	NC	22,464	33,955	NR	NR
City of Snellville	GA	6,992	20,076	6,702	460
City of Stuart	FL	4,220	16,173	3,544	1,291
City of Sugar Hill	GA	6,127	25,000	NR	NR
City of Sumter	SC	21,000	39,726	14,500	1,700
City of Thomasville	NC	7,104	27,374	10,230	979
City of Valdosta	GA	19,392	56,515	20,142	2,563
City of Washington	NC	5,395	9,811	4,785	875
City of Wilmington	NC	32,640	120,000	32,376	5,484
City of Woodstock	GA	8,012	31,564	10,740	1,179

Utility Characteristics

(continued)

Jurisdiction	State	Physical Area in Acres	Population Served	Residential Accounts	Non-Residential Accounts
Clayton County Water Authority	GA	91,520	292,256	77,954	4,842
Columbia County	GA	54,307	117,152	0	0
Davidson County / City of Nashville	TN	293,879	216,839	198,261	18,578
Dorchester County	SC	368,000	160,647	31,110	1,177
Douglasville-Douglas County	GA	127,360	140,000	42,406	2,182
Durham County	NC	1,260,000	51,786	14,590	1,015
Georgetown County	SC	520,960	61,297	NR	NR
Greenville County	SC	500,000	514,213	167,569	11,200
Gwinnett County	GA	230,321	717,727	199,539	16,672
Hamilton County	TN	124,450	190,265	57,124	1,310
Henry County	GA	209,118	234,561	53,419	1,311
Horry County	SC	803,200	260,000	123,963	7,304
Jefferson County	AL	396,831	85,000	NR	NR
Jefferson County DOH - SWMA	AL	156,420	232,617	NR	NR
Lancaster County	SC	37,312	30,000	15,783	435
Lexington-Fayette Urban County	KY	182,733	325,000	95,086	6,419
Mecklenburg County	NC	61,440	115,000	44,000	21,000
Richland County	SC	128,928	290,000	NR	NR
Rockdale County	GA	76,800	90,896	26,056	1,027
Sanitation District #1	KY	117,480	304,600	89,416	8,443
Spartanburg County	SC	203,520	250,000	NR	NR
Town of Bluffton	SC	33,438	20,799	7,486	7,138
Town of Carrboro	NC	4,160	21,230	5,670	237
Town of Chapel Hill	NC	13,504	59,653	NR	NR
Town of Fort Mill	SC	2,965	16,780	94,895	2,410
Town of Hilton Head Island	SC	25,806	40,007	12,235	27,384
Town of James Island	SC	6,160	12,000	5,210	1,220
Town of Kernersville	NC	16,045	245,576	7,468	1,071
Town of Lincolnton	SC	700	1,380	470	240
Town of Matthews	NC	11,000	33,000	10,373	587
Town of Morrisville	NC	6,272	29,000	5,076	857
Town of Mount Pleasant	SC	29,030	85,044	35,781	2,370
Town of Sullivan's Island	SC	2,100	1,900	1,040	290
Town of Summerville	SC	12,425	48,900	22,028	NR
Warren County	KY	300,000	60,000	23,000	649

Utility Fees and Rates



We help our clients identify challenges, formulate responsive solutions, and manage successful project completion. Through partnership, we shape the best results for each client and community.



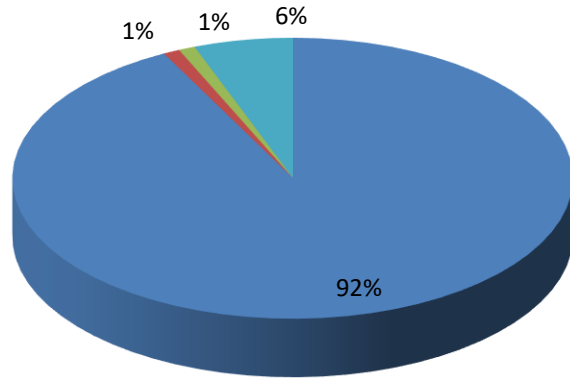
Stormwater Services

- Stormwater BMP Inventory and Inspections
- TMDL and NPDES Compliance
- Drainage and Stormwater Management
- Stream Restoration and Wetland Mitigation
- FEMA Flood Hazard Mapping
- Watershed and Stormwater System Master Planning
- Green Infrastructure
- Flood Studies (CLOMR and LOMR)
- Bridge Scour Analysis
- GIS Infrastructure Inventory
- Low-Impact Design
- Stormwater Utility Development and Support
- Combined Sewer Overflows
- Dam Analysis and Design
- Development Reviews
- Staff Augmentation

Utility Fees and Rates

2-1. What is the basic methodology used for your revenue generation?

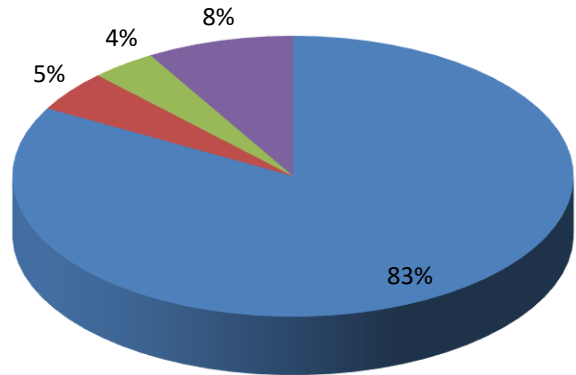
- User Fee - 92%
- Non-Ad Valorem or Special Assessment - 1%
- Ad Valorem Tax - 1%
- Sales Tax - 0%
- *Other - 6%



*Respondents provided the following comments to *Other*: 1) Flat fee based on residential or commercial designation, and 2) based on water or electric meter account holders.

2-2. What is the general basis for your fee?

- Impervious Area - 83%
- Both Gross Area and Impervious Area - 5%
- Gross Area with Intensity of Development Factor - 4%
- *Other - 8%



*Respondents included the following comments to *Other*: 1) Number of meters per residential or non-residential parcels, and 2) Residential vs. Commercial.

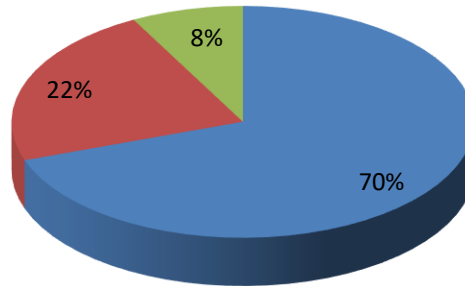
2-3. If impervious area is the fee basis, what is the square footage of your average billing unit (ERU or similar designation)?

	2021	2019
Average	3,382	3,594
High	20,000	29,750
Low	100	100

Utility Fees and Rates

2-4. Is the “average billing unit” based upon single-family units only or on all residential types (e.g. single and multi-family, condominiums, mobile homes, etc.)?

- Single-Family - 70%
- All Residential Types - 22%
- Other - 8%



*Respondents provided the following comments to *Other*: 1) Base Area & Miscellaneous Parcel Area, and 2) All Properties Assessed Equally.

2-5. What is your current stormwater utility rate per month?

	2021	2019
Average Utility Rate:	\$4.52	\$4.25
Standardized Average Utility Rate*:	\$2.08	\$2.28

*Standardized Rate changes billing area to 1,000 sq ft. for all respondents.

In 2021 the Highest Standardized Utility Rate is \$24.60 and the Lowest Standardized Utility Rate is \$0.11.

Stormwater Utility Rates per Month

Jurisdiction	State	Rate	ERU	Standardized Rate
Barrow County	GA	\$3.00	3,478	\$0.86
Beaufort County	SC	\$8.33	4,906	\$1.70
Berkeley County	SC	\$3.00	2,760	\$1.09
Charleston County	SC	\$6.00	3,000	\$2.00
City of Anderson	SC	\$4.50	17,424	\$0.26
City of Archdale	NC	\$5.00	3,612	\$1.38
City of Asheville	NC	See Notes	2,442	N/A
City of Athens / Clarke County	GA	\$3.51	2,628	\$1.34
City of Auburn	GA	\$2.50	2,600	\$0.96
City of Belmont	NC	\$5.00	2,500	\$2.00
City of Birmingham	AL	\$0.83	N/A	N/A
City of Bristol	TN	\$2.00	3,000	\$0.67
City of Brunswick	GA	\$4.50	2,200	\$2.05
City of Charleston	SC	\$10.00	2,200	\$4.55
City of Charlotte	NC	\$8.62	N/A	N/A
City of Chattanooga	TN	\$12.69	3,200	\$3.97

Utility Fees and Rates

Stormwater Utility Rates per Month (continued)

Jurisdiction	State	Rate	ERU	Standardized Rate
City of Clarkston	GA	\$6.45	2,200	\$2.93
City of Cleveland	TN	\$3.25	3,830	\$0.85
City of Concord	NC	\$5.16	3,120	\$1.65
City of Conway	SC	\$5.25	2,700	\$1.94
City of Covington	GA	\$3.00	2,600	\$1.15
City of Duluth	GA	\$5.17	2,997	\$1.72
City of Dunwoody	GA	\$6.61	3,000	\$2.20
City of East Point	GA	\$9.50	3,200	\$2.97
City of Fairburn	GA	\$4.08	3,700	\$1.10
City of Fayetteville	GA	\$4.37	3,800	\$1.15
City of Folly Beach	SC	\$6.00	3,000	\$2.00
City of Garden City	GA	\$4.75	3,000	\$1.58
City of Gastonia	NC	\$3.75	2,650	\$1.42
City of Georgetown	SC	See Notes	N/A	N/A
City of Goodlettsville	TN	\$3.67	2,900	\$1.27
City of Greensboro	NC	\$2.70	2,543	\$1.06
City of Greenville	NC	\$5.35	2,000	\$2.68
City of Greenville	SC	\$6.35	2,389	\$2.66
City of Griffin	GA	\$5.36	2,200	\$2.44
City of Grovetown	GA	\$4.95	3,300	\$1.50
City of Hendersonville	TN	\$6.00	3,930	\$1.53
City of High Point	NC	\$4.00	2,588	\$1.55
City of Holly Springs	GA	\$4.00	2,700	\$1.48
City of Isle of Palms	SC	\$6.00	3,000	\$2.00
City of La Vergne	TN	\$3.50	3,181	\$1.10
City of Lawrenceville	GA	\$5.00	3,000	\$1.67
City of Loganville	GA	\$5.00	3,000	\$1.67
City of Maryville	TN	\$3.97	2,400	\$1.65
City of Monroe	NC	\$5.25	2,618	\$2.01
City of Murfreesboro	TN	\$3.25	3,470	\$0.94
City of Murray	KY	\$3.50	3,000	\$1.17
City of Myrtle Beach	SC	\$6.25	5,000	\$1.25
City of Norcross	GA	\$1.95	100	\$19.50
City of North Augusta	SC	\$5.00	N/A	N/A
City of North Charleston	SC	\$6.00	5,800	\$1.03
City of North Myrtle Beach	SC	\$8.00	3,500	\$2.29
City of Peachtree City	GA	\$6.89	4,600	\$1.50
City of Peachtree Corners	GA	\$2.46	100	\$24.60
City of Perry	GA	\$5.00	NR	N/A

Utility Fees and Rates

Stormwater Utility Rates per Month (continued)

Jurisdiction	State	Rate	ERU	Standardized Rate
City of Powder Springs	GA	\$4.00	2,840	\$1.41
City of Raleigh	NC	\$5.50	2,260	\$2.43
City of Richland	MS	See Notes	25,000	N/A
City of Rocky Mount	NC	\$5.00	2,519	\$1.98
City of Roswell	GA	\$3.95	5,144	\$0.77
City of Salisbury	NC	\$4.08	2,500	\$1.63
City of Snellville	GA	\$0.40	3,800	\$0.11
City of Stuart	FL	\$7.00	3,707	\$1.89
City of Sugar Hill	GA	NR	N/A	N/A
City of Sumter	SC	\$2.50	3,000	\$0.83
City of Thomasville	NC	\$1.00	N/A	N/A
City of Valdosta	GA	\$3.50	3,704	\$0.94
City of Washington	NC	\$8.00	3,164	\$2.53
City of Wilmington	NC	\$8.35	2,500	\$3.34
City of Woodstock	GA	\$4.20	2,700	\$1.56
Clayton County Water Authority	GA	\$3.75	2,950	\$1.27
Columbia County	GA	See Notes	100	N/A
Davidson County / City of Nashville	TN	\$3.00	N/A	N/A
Dorchester County	SC	\$3.73	3,735	\$1.00
Douglasville-Douglas County	GA	\$4.00	2,543	\$1.57
Durham County	NC	\$2.00	4,300	\$0.47
Georgetown County	SC	\$4.33	3,770	\$1.15
Greenville County	SC	\$2.25	2,477	\$0.91
Gwinnett County	GA	\$2.46	3,308	\$0.74
Hamilton County	TN	\$0.75	3,600	\$0.21
Henry County	GA	See Notes	4,780	N/A
Horry County	SC	\$3.70	2,500	\$1.48
Jefferson County	AL	\$0.42	N/A	N/A
Jefferson County DOH - SWMA	AL	See Notes	See Notes	N/A
Lancaster County	SC	\$5.00	3,500	\$1.43
Lexington-Fayette County	KY	\$5.02	2,500	\$2.01
Mecklenburg County	NC	\$3.89	2,487	\$1.56
Richland County	SC	NR	N/A	N/A
Rockdale County	GA	\$8.50	4,200	\$2.02
Sanitation District #1	KY	\$5.04	2,600	\$1.94
Spartanburg County	SC	\$4.00	N/A	N/A
Town of Bluffton	SC	\$9.58	4,906	\$1.95
Town of Carrboro	NC	\$7.50	3,000	\$2.50
Town of Chapel Hill	NC	\$2.91	1,000	\$2.91

Utility Fees and Rates

Stormwater Utility Rates per Month (continued)

Jurisdiction	State	Rate	ERU	Standardized Rate
Town of Fort Mill	SC	\$6.00	3,473	\$1.73
Town of Hilton Head Island	SC	\$12.50	4,906	\$2.55
Town of James Island	SC	\$4.00	3,000	\$1.33
Town of Kernersville	NC	\$3.29	2,980	\$1.10
Town of Lincolville	SC	\$4.00	3,000	\$1.33
Town of Matthews	NC	See Notes	See Notes	N/A
Town of Morrisville	NC	\$2.08	2,800	\$0.74
Town of Mount Pleasant	SC	\$5.00	20,000	\$0.25
Town of Sullivan's Island	SC	\$6.00	3,000	\$2.00
Town of Summerville	SC	\$4.00	2,975	1.34
Warren County	KY	\$4.00	N/A	N/A

*Respondents provided the following comments in regards to stormwater utility rates:

- City of Asheville, NC – Tiered rates
- City of Georgetown, SC – \$6 - Month Residential and \$6.30 ERU for Non Residential
- City of Richland, MS – \$200 per acre
- Columbia County, GA – \$0.1775 per 100 sq ft monthly
- Henry County, GA – \$39.83 per residential, \$39.83 per impervious unit commercial
- Jefferson County DOH – SWMA, AL – \$5 per year residential - \$15 per year commercial
- Town of Matthews, NC – Tier 1: \$1.67/mo, Tier 2: \$2.58/mo, Tier 3: \$3.64/mo, Tier 4: \$5.98/mo. Commercial: \$43.56/acre/mo

Comparative Monthly Stormwater Rates

The table compares rates from jurisdictions from 2007 through 2021. Note that some jurisdictions are no longer expressing Stormwater Utility (SWU) rates based on a single Equivalent Residential Unit (ERU) but rather multiple ERUs expressed as ranges or tiers. For example, there may be four tiers or ranges of impervious area size to which a different ERU is assigned. For the purposes of reporting for SESWA's 2021 Survey and this final Report, SESWA has identified the most common tier and the average rate within that tier for such jurisdictions.

Comparative Monthly Stormwater Rates

		2007	2009	2011	2013	2015	2017	2019	2021
Average		\$3.18	\$3.22	\$3.61	\$3.55	\$3.73	\$3.91	\$4.35	\$4.75
Jurisdiction	State	2007	2009	2011	2013	2015	2017	2019	2021
Barrow County	GA			\$1.50	\$1.50	\$1.50	\$1.50	\$2.00	\$3.00
Beaufort County	SC	\$3.69		\$4.16	\$4.16	\$4.16	\$5.80	\$7.25	\$8.33
Berkeley County	SC							\$3.00	\$3.00
Charleston County	SC	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$6.00	\$6.00	\$6.00
City of Aiken	SC	\$3.22				\$3.22	\$5.42		

Utility Fees and Rates

Comparative Monthly Stormwater Rates (continued)

Jurisdiction	State	2007	2009	2011	2013	2015	2017	2019	2021
City of Anderson	SC				\$4.00	\$4.50	\$4.50	\$4.50	\$4.50
City of Archdale	NC	\$5.00		\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00
City of Asheville	NC				\$2.34	\$4.00	\$4.41	\$4.86	*Notes
City of Athens / Clarke County	GA	\$3.50	\$3.51	\$3.51	\$3.51	\$3.51	\$3.51	\$3.51	\$3.51
City of Auburn	GA						\$2.50	\$2.50	\$2.50
City of Austell	GA				\$3.50	\$3.50	\$5.00		
City of Belmont	NC		\$3.00			\$3.00	\$3.00	\$3.00	\$5.00
City of Bessemer City	NC	\$2.07	\$2.07	\$2.07		\$2.07			
City of Birmingham	AL					\$0.43	\$0.83	\$0.83	\$0.83
City of Bristol	TN					\$2.00	\$2.00	\$2.00	\$2.00
City of Brunswick	GA							\$3.95	\$4.50
City of Burlington	NC	\$2.00	\$2.00	\$2.00		\$2.00			
City of Charleston	SC	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$10.00	\$10.00
City of Charlotte	NC	\$5.15	\$5.90	\$6.63	\$7.48	\$8.13	\$9.95	\$8.62	\$8.62
City of Chattanooga	TN	\$2.50	\$2.50	\$9.60	\$9.60	\$9.60	\$9.60	\$10.54	\$12.69
City of Clarkston	GA							\$6.45	\$6.45
City of Cleveland	TN						\$3.25	\$3.25	\$3.25
City of Concord	NC			\$4.30	\$4.30	\$4.30	\$4.30	\$5.16	\$5.16
City of Conway	SC	\$5.25	\$5.25		\$5.25	\$5.25		\$5.25	\$5.25
City of Covington	GA	\$3.23	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00
City of Decatur	GA			\$6.25		\$6.25	\$8.33	\$8.33	
City of Doraville	GA	\$4.00		\$4.00	\$4.00	\$4.00			
City of Douglasville / Douglas County	GA	\$4.00	\$4.00	\$4.00					\$4.00
City of Duluth	GA								\$5.17
City of Dunwoody	GA				\$5.75	\$5.75	\$5.93	\$6.39	\$6.61
City of Easley	SC	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00		
City of East Point	GA							\$9.50	\$9.50
City of Fairburn	GA	\$4.00	\$4.00	\$4.00	\$4.08	\$4.08	\$4.08	\$4.08	\$4.08
City of Fayetteville	GA	\$2.95	\$2.95	\$2.95	\$2.95		\$4.37	\$4.37	\$4.37
City of Fayetteville	NC			\$3.00	\$3.00	\$3.50	\$3.50		
City of Florence	KY	\$3.34	\$2.50	\$2.50		\$2.50	\$2.50		
City of Folly Beach	SC		\$3.00	\$3.00	\$3.00	\$3.00	\$6.00	\$6.00	\$6.00
City of Franklin	TN	\$3.65	\$3.65	\$3.65	\$3.65				
City of Garden City	GA			\$4.75	\$4.75	\$4.75	\$4.75	\$4.75	\$4.75
City of Gastonia	NC	\$2.75					\$3.25	\$3.25	\$3.75
City of Germantown	TN						\$3.25		
City of Georgetown	SC								*Notes
City of Goodlettsville	TN				\$2.00	\$5.50	\$5.50	\$3.67	\$3.67
City of Greensboro	NC	\$2.70	\$2.70	\$2.70	\$2.70	\$2.70	\$2.70	\$2.70	\$2.70

Utility Fees and Rates

Comparative Monthly Stormwater Rates (continued)

Jurisdiction	State	2007	2009	2011	2013	2015	2017	2019	2021
City of Greenville	NC							\$5.35	\$5.35
City of Greenville	SC	\$2.85	\$2.85	\$2.85			\$5.99	\$6.26	\$6.35
City of Griffin	GA	\$3.50	\$4.39	\$4.33	\$4.65	\$4.79	\$4.79	\$5.17	\$5.36
City of Grovetown	GA							\$4.95	\$4.95
City of Hendersonville	TN							\$6.00	\$6.00
City of HighPoint	NC				\$2.00	\$2.00	\$2.00	\$4.00	\$4.00
City of Holly Springs	GA				\$4.00	\$4.00	\$4.00	\$4.00	\$4.00
City of Hopkinsville	KY			\$3.00	\$3.00				
City of Isle of Palms	SC		\$3.00	\$3.00	\$3.00	\$3.00	\$4.00	\$4.00	\$6.00
City of La Vergne	TN							\$3.00	\$3.50
City of Lawrenceville	GA		\$4.20	\$4.20	\$4.20	\$4.20	\$4.20	\$5.00	\$5.00
City of Loganville	GA		\$5.00	\$5.00				\$5.00	\$5.00
City of Maryville	TN			\$3.97	\$3.97	\$3.97	\$3.97	\$3.97	\$3.97
City of Millersville	TN							\$4.00	
City of Monroe	NC		\$4.00	\$4.00	\$4.00	\$4.50	\$4.50	\$4.50	\$5.25
City of Morristown	TN		\$1.00	\$1.00					
City of Murfreesboro	TN			\$3.25	\$3.25	\$3.25	\$3.25	\$3.25	\$3.25
City of Murray	KY						\$1.50	\$1.50	\$3.50
City of Myrtle Beach	SC			\$5.25	\$5.25			\$6.25	\$6.25
City of Norcross	GA		\$0.10			\$1.25	\$1.75	\$1.95	\$1.95
City of North Augusta	GA	\$4.00	\$4.00	\$4.00	\$4.00	\$5.00	\$5.00	\$5.00	\$5.00
City of North Charleston	SC			\$3.00	\$3.00	\$3.36	\$3.36	\$6.00	\$6.00
City of North Myrtle Beach	SC	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$8.00	\$8.00	\$8.00
City of Oxford	NC	\$2.00	\$2.00	\$2.00					
City of Peachtree City	GA			\$3.95	\$3.95	\$6.89	\$6.89	\$6.89	\$6.89
City of Peachtree Corners	GA							\$2.46	\$2.46
City of Perry	GA							\$3.10	\$5.00
City of Powder Springs	GA				\$3.00	\$3.00	\$3.00	\$3.00	\$4.00
City of Radcliff	KY	\$4.00	\$4.50	\$4.62	\$4.62	\$4.62			
City of Raleigh	NC	\$4.00	\$4.00	\$4.00	\$4.00	\$4.00	\$5.00	\$5.00	\$5.50
City of Richland	MS								*Notes
City of Rocky Mount	NC		\$3.75	\$4.25	\$4.25		\$5.00	\$5.00	\$5.00
City of Roswell	GA							\$3.95	\$3.95
City of Salisbury	NC								\$4.08
City of Snellville	GA				\$2.33	\$2.33	\$0.40	\$0.40	\$0.40
City of Stuart	FL			\$3.76	\$3.89	\$4.01	\$4.07	\$4.78	\$7.00
City of Sumter	SC				\$2.50	\$2.50	\$2.50	\$2.50	\$2.50
City of Thomasville	NC							\$1.00	\$1.00
City of Union City	TN							\$2.50	

Utility Fees and Rates

Comparative Monthly Stormwater Rates (continued)

Jurisdiction	State	2007	2009	2011	2013	2015	2017	2019	2021
City of Valdosta	GA	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$3.50	\$3.50	\$3.50
City of Warner Robins	GA				\$4.25	\$4.25	\$4.25		
City of Washington	NC						\$5.50	\$5.50	\$8.00
City of Wilmington	NC	\$5.00	\$5.00	\$5.30	\$6.09	\$6.83	\$7.66	\$8.19	\$8.35
City of Wilson	NC						\$3.80		
City of Winston-Salem	NC		\$4.25	\$4.25	\$4.25	\$4.25	\$4.25		
City of Woodstock	GA			\$4.20	\$4.20		\$4.20	\$4.20	\$4.20
Clayton County Water Authority	GA		\$3.75	\$3.75		\$3.75	\$3.75	\$3.75	\$3.75
Columbia County	GA		\$0.09	\$0.09	\$0.09	\$0.12	\$0.18	\$0.18	*Notes
Cumberland County / Fayetteville	NC	\$1.00	\$3.00						
Davidson County / City of Nashville	TN			\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00
DeKalb County	GA	\$4.00		\$4.00	\$4.00	\$4.00	\$4.00	\$4.00	
Dorchester County	SC	\$2.43	\$2.43	\$3.73	\$3.73	\$2.16	\$1.87	\$3.87	\$3.73
Durham County	NC								\$2.00
Georgetown County	SC		\$4.30	\$4.30		\$4.30	\$4.33	\$4.33	\$4.33
Greenville County	SC				\$2.25	\$2.25	\$2.25	\$2.25	\$2.25
Gwinnett County	GA	\$0.06	\$0.21	\$2.46	\$2.46	\$2.46	\$2.46	\$2.46	\$2.46
Hamilton County	TN			\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75
Henry County	GA	\$2.83	\$2.83	\$3.32				\$3.32	*Notes
Horry County	SC		\$2.45	\$2.45		\$2.45	\$2.45	\$3.70	\$3.70
Jefferson County	AL				\$0.42	\$0.42	\$0.42	\$0.42	\$0.42
Jefferson County DOH - SWMA	AL								*Notes
Lancaster County	SC							\$5.00	\$5.00
Lexington-Fayette County	KY				\$4.49	\$4.63	\$4.68	\$4.90	\$5.02
Louisville / Jefferson County Metro	KY		\$5.35						
Mecklenburg County	NC	\$3.18	\$2.12	\$2.12	\$2.12	\$2.12	\$1.71	\$1.71	\$3.89
Rockdale County	GA	\$3.38			\$3.39	\$3.39	\$3.39	\$3.39	\$8.50
Sanitation District #1	KY	\$4.02	\$4.30	\$4.44	\$4.44	\$4.44	\$5.04	\$5.04	\$5.04
Spartanburg County	SC	\$4.00	\$4.00				\$4.00	\$4.00	\$4.00
Town of Bluffton	SC					\$8.60			\$9.58
Town of Carrboro	NC								\$7.50
Town of Chapel Hill	NC			\$3.25		\$2.06	\$2.18	\$2.68	\$2.91
Town of Fort Mill	SC							\$6.00	\$6.00
Town of Haw River	NC						\$2.00		
Town of Hilton Head Island	SC			\$9.06	\$9.06	\$9.06		\$12.50	\$12.50
Town of Hope Mills	NC		\$3.00	\$3.00	\$4.00		\$4.00		
Town of Indian Trail	NC		\$2.70	\$2.70	\$2.70	\$2.70			
Town of James Island	SC			\$3.00	\$3.00	\$3.00	\$4.00	\$4.00	\$4.00

Utility Fees and Rates

Comparative Monthly Stormwater Rates (continued)

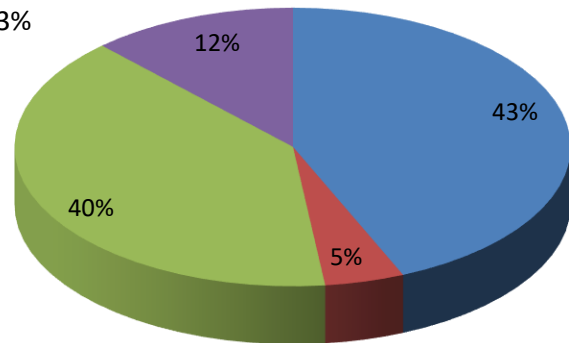
Jurisdiction	State	2007	2009	2011	2013	2015	2017	2019	2021
Town of Kernersville	NC			\$3.29			\$3.04	\$3.29	\$3.29
Town of Landis	NC		\$5.00	\$5.00					
Town of Lincolnton	SC		\$3.00	\$3.00	\$3.00	\$3.00	\$4.00	\$4.00	\$4.00
Town of Matthews	NC	\$1.42	\$1.42	\$1.42	\$1.42	\$1.42	\$2.07		*Notes
Town of Morrisville	NC				\$1.92	\$2.08	\$2.08	\$2.08	\$2.08
Town of Mount Pleasant	SC				\$2.50	\$5.00	\$5.00	\$5.00	\$5.00
Town of Port Royal	SC					\$4.16			
Town of Signal Mountain	TN				\$0.01				
Town of Smyrna	GA		\$3.47	\$3.47			\$3.47		
Town of Sullivan's Island	SC		\$3.00	\$3.00	\$3.00	\$3.00	\$6.00	\$6.00	\$6.00
Town of Summerville	SC						\$4.00	\$4.00	\$4.00
Town of Wrightsville Beach	NC	\$0.00	\$0.00	\$0.00	\$0.00	\$5.00			
Warren County	KY				\$4.00	\$4.00	\$4.00	\$4.00	\$4.00

Average Monthly Utility Rate Comparison by State

	AL	FL	GA	KY	MS	NC	SC	TN
Rate	\$0.62	\$7.00	\$4.43	\$4.39	N/A	\$4.69	\$5.62	\$4.21
ERU	N/A	3,707	2,876	2,700	N/A	2,679	4,612	3,279

2-6. How are the majority of your stormwater charges invoiced?

- Combined on Monthly Bill for Other Utility Services - 43%
- Separate Mailing - 5%
- Placed on Annual Property Tax Bill - 40%
- *Other - 12%



*Respondents provided the following comments to *Other*: 1) Non-Residential is billed separately. Residential is on Tax Bill. 2) Stormwater charges with water/sewer monthly bill or independent bills, 3) Site Permits, 4) Combined with sanitary if present otherwise billed as stormwater only.

Utility Fees and Rates

2-7. What is the total annual revenue generated by the utility fee?

	2021	2019
Average	\$3,533,655	\$4,167,593
High	\$35,400,000	\$71,100,000
Low	\$32,000	\$32,000

Total Annual Revenue generated by utility fee - Sorted by Jurisdiction

Jurisdiction	State	2021
Barrow County	GA	\$830,000
Beaufort County	SC	\$6,157,545
Berkeley County	SC	\$4,714,311
Charleston County	SC	\$2,800,000
City of Anderson	SC	\$1,170,000
City of Archdale	NC	\$480,000
City of Asheville	NC	\$6,200,000
City of Athens / Clarke County	GA	\$4,000,000
City of Auburn	GA	\$123,246
City of Belmont	NC	\$470,088
City of Birmingham	AL	\$1,620,000
City of Bristol	TN	\$610,250
City of Brunswick	GA	\$821,461
City of Charleston	SC	\$6,000,000
City of Charlotte	NC	\$7,300,000
City of Chattanooga	TN	\$22,861,185
City of Clarkston	GA	\$350,000
City of Cleveland	TN	\$1,766,823
City of Concord	NC	\$4,850,375
City of Conway	SC	\$950,900
City of Covington	GA	\$850,000
City of Duluth	GA	\$650,000
City of Dunwoody	GA	\$2,303,224
City of East Point	GA	\$2,400,000
City of Fairburn	GA	\$837,628
City of Fayetteville	GA	\$780,000
City of Folly Beach	SC	\$181,000
City of Garden City	GA	\$990,000
City of Gastonia	NC	\$3,000,000
City of Georgetown	SC	\$861,695
City of Goodlettsville	TN	\$1,200,000
City of Greensboro	NC	\$11,450,000

Utility Fees and Rates

Total Annual Revenue generated by utility fee - Sorted by Jurisdiction (continued)

Jurisdiction	State	2021
City of Greenville	NC	\$6,100,000
City of Greenville	SC	\$6,115,373
City of Griffin	GA	\$2,790,000
City of Grovetown	GA	\$240,000
City of Hendersonville	TN	\$2,200,000
City of High Point	NC	\$2,693,380
City of Holly Springs	GA	\$409,026
City of Isle of Palms	SC	\$273,000
City of La Vergne	TN	\$1,041,000
City of Lawrenceville	GA	\$2,360,000
City of Loganville	GA	\$510,000
City of Maryville	TN	\$1,400,000
City of Monroe	NC	\$2,448,590
City of Murfreesboro	TN	\$3,230,000
City of Murray	KY	\$585,000
City of Myrtle Beach	SC	\$2,800,000
City of Norcross	GA	\$1,038,747
City of North Augusta	SC	\$770,000
City of North Charleston	SC	\$5,200,000
City of North Myrtle Beach	SC	\$2,961,000
City of Peachtree City	GA	\$2,500,000
City of Peachtree Corners	GA	\$2,800,000
City of Perry	GA	\$748,200
City of Powder Springs	GA	\$500,640
City of Raleigh	NC	\$22,400,000
City of Richland	MS	\$40,000
City of Rocky Mount	NC	\$4,105,000
City of Roswell	GA	\$3,100,000
City of Salisbury	NC	\$1,345,985
City of Snellville	GA	\$840,000
City of Stuart	FL	\$758,000
City of Sugar Hill	GA	\$690,000
City of Sumter	SC	\$805,000
City of Thomasville	NC	\$134,000
City of Valdosta	GA	\$1,740,000
City of Washington	NC	\$1,191,770
City of Wilmington	NC	\$12,811,151
City of Woodstock	GA	\$1,077,215
Clayton County Water Authority	GA	\$9,800,000

Utility Fees and Rates

Total Annual Revenue generated by utility fee - Sorted by Jurisdiction (continued)

Jurisdiction	State	2021
Columbia County	GA	\$5,032,800
Davidson County / City of Nashville	TN	\$35,400,000
Dorchester County	SC	\$2,612,203
Douglasville-Douglas County Water and Sewer Authority	GA	\$4,800,000
Durham County	NC	\$843,000
Georgetown County	SC	\$1,019,059
Greenville County	SC	\$9,500,000
Gwinnett County	GA	\$29,220,088
Hamilton County	TN	\$774,900
Henry County	GA	\$3,207,130
Horry County	SC	\$8,200,000
Jefferson County	AL	\$192,663
Jefferson County DOH - SWMA	AL	\$683,515
Lancaster County	SC	\$1,312,620
Lexington-Fayette Urban County	KY	\$15,165,000
Mecklenburg County	NC	\$850,000
Richland County	SC	\$3,300,000
Rockdale County	GA	\$1,900,000
Sanitation District #1	KY	\$13,700,000
Spartanburg County	SC	\$1,250,000
Town of Bluffton	SC	\$1,536,725
Town of Carrboro	NC	\$1,005,000
Town of Chapel Hill	NC	\$3,000,000
Town of Fort Mill	SC	\$905,000
Town of Hilton Head Island	SC	\$4,775,000
Town of James Island	SC	\$305,000
Town of Kernersville	NC	\$1,367,983
Town of Lincolnton	SC	\$32,000
Town of Matthews	NC	\$887,363
Town of Morrisville	NC	\$561,846
Town of Mount Pleasant	SC	\$2,800,000
Town of Sullivan's Island	SC	\$95,000
Town of Summerville	SC	\$1,543,035
Warren County	KY	\$1,125,000

Utility Fees and Rates

Comparative Annual Revenues

Jurisdiction	State	2011	2013	2015	2017	2019	2021
Barrow County	GA	\$480,000	\$350,000	\$425,000	\$425,000	\$570,000	\$830,000
Beaufort County	SC	\$7,058,116	\$8,145,808	\$3,131,107	\$5,094,057	\$5,213,270	\$6,157,545
Berkeley County	SC					\$4,400,000	\$4,714,311
Charleston County	SC	\$1,100,000	\$1,100,000		\$28,000,000	\$2,800,000	\$2,800,000
City of Aiken	SC			\$884,000	\$1,144,000		
City of Anderson	SC		\$920,000	\$1,170,000	\$1,170,000	\$1,170,000	\$1,170,000
City of Archdale	NC	\$480,000	\$480,000	\$480,000	\$480,000	\$480,000	\$480,000
City of Asheville	NC		\$3,107,993	\$4,782,372	\$5,044,769	\$6,276,113	\$6,200,000
City of Athens / Clarke County	GA	\$3,500,000	\$3,500,000	\$3,500,000	\$3,500,000	\$4,000,000	\$4,000,000
City of Auburn	GA				\$103,000	\$103,000	\$123,246
City of Austell	GA		\$370,141	\$444,348	\$339,172		
City of Belmont	NC			\$406,293	\$406,293	\$470,088	\$470,088
City of Bessemer City	NC	\$67,000		\$67,000			
City of Birmingham	AL			\$591,455	\$1,200,000	\$1,500,000	\$1,620,000
City of Bristol	TN			\$600,000	\$566,863	\$595,831	\$610,250
City of Brunswick	GA					\$821,461	\$821,461
City of Burlington	NC	\$420,000					\$6,000,000
City of Charleston	SC	\$5,600,000	\$5,600,000	\$5,600,000	\$5,600,000	\$5,600,000	\$7,300,000
City of Charlotte	NC	\$46,800,000	\$51,000,000	\$59,000,000	\$62,700,000	\$71,100,000	
City of Chattanooga	TN	\$16,335,278	\$16,858,235	\$16,858,235	\$17,766,273	\$18,990,070	\$22,861,185
City of Clarkston	GA					\$250,000	\$350,000
City of Cleveland	TN				\$1,500,000	\$1,500,000	\$1,766,823
City of Concord	NC	\$3,500,000	\$3,600,000	\$3,600,000	\$3,900,000	\$4,969,860	\$4,850,375
City of Conway	SC		\$950,000	\$950,900		\$950,900	\$950,900
City of Covington	GA	\$725,000	\$725,000	\$725,000	\$725,000	\$725,000	\$850,000
City of Decatur	GA	\$825,000		\$825,000	\$1,100,000	\$1,100,000	
City of Doraville	GA	\$485,000	\$485,000				
City of Duluth	GA						\$650,000
City of Dunwoody	GA		\$1,800,000	\$1,800,000	\$1,920,000	\$2,131,151	\$2,303,224
City of Easley	SC	\$300,000	\$300,000		\$300,000		
City of East Point	GA					\$2,400,000	\$2,400,000
City of Fairburn	GA	\$450,000	\$450,000		\$450,000	\$450,000	\$837,628
City of Fayetteville	GA	\$500,000	\$500,000		\$766,000	\$780,000	\$780,000
City of Fayetteville	NC	\$5,100,000	\$5,100,000	\$6,204	\$6,204		
City of Florence	KY	\$621,852		\$621,852	\$621,852		
City of Folly Beach	SC	\$0	\$91,000		\$175,000	\$181,000	\$181,000
City of Franklin	TN	\$2,085,900	\$2,085,900				

Utility Fees and Rates

Comparative Annual Revenues (continued)

Jurisdiction	State	2011	2013	2015	2017	2019	2021
City of Garden City	GA	\$940,000	\$940,000	\$880,000	\$880,000	\$930,000	\$990,000
City of Gastonia	NC				\$2,500,000	\$2,500,000	\$3,000,000
City of Georgetown	SC						\$861,695
City of Germantown	TN				\$1,000,000		
City of Goodlettsville	TN		\$300,000	\$300,000	\$600,000	\$1,200,000	\$1,200,000
City of Greensboro	NC	\$9,450,000	\$9,241,665	\$10,290,382	\$9,589,460	\$9,789,420	\$11,450,000
City of Greenville	NC					\$6,100,000	\$6,100,000
City of Greenville	SV	\$3,096,468	\$2,100,000		\$5,380,493	\$6,115,373	\$6,115,373
City of Griffin	GA	\$1,700,000		\$2,200,000	\$2,200,000	\$2,750,000	\$2,790,000
City of Grovetown	GA					\$240,000	\$240,000
City of Hendersonville	TN					\$2,200,000	\$2,200,000
City of High Point	NC		\$2,400,000	\$2,693,380	\$2,693,380	\$2,693,380	\$2,693,380
City of Holly Springs	GA		\$319,000	\$327,000	\$342,909	\$342,909	\$409,026
City of Hopkinsville	KY	\$1,100,000	\$1,100,000				
City of Isle of Palms	SC		\$185,000		\$375,000	\$273,000	\$273,000
City of La Vergne	TN					\$1,041,000	\$1,041,000
City of Lawrenceville	GA	\$684,000	\$684,000	\$684,000	\$684,000	\$1,187,767	\$2,360,000
City of Loganville	GA	\$400,000				\$510,000	\$510,000
City of Louisville / Jefferson Cnty	KY					\$1,200,000	
City of Maryville	TN	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000		\$1,400,000
City of Millersville	TN				\$198,984	\$198,984	
City of Monroe	NC	\$1,700,000	\$1,820,000	\$2,080,000	\$2,064,300	\$2,064,300	\$2,448,590
City of Morristown	TN	\$590,000	\$2,500,000				
City of Murfreesboro	TN		\$1,500,000	\$2,750,000	\$2,850,000	\$2,950,000	\$3,230,000
City of Murray	KY				\$232,000	\$232,000	\$585,000
City of Myrtle Beach	SC	\$1,500,000				\$2,600,000	\$2,800,000
City of Norcross	GA			\$750,000	\$970,500	\$1,038,747	\$1,038,747
City of North Augusta	SC	\$562,021	\$577,236	\$738,045	\$758,715	\$770,000	\$770,000
City of North Charleston	SC	\$3,300,000	\$3,300,000	\$3,767,000	\$4,095,088	\$5,200,000	\$5,200,000
City of North Myrtle Beach	SC	\$1,975,000	\$2,009,474	\$2,072,371	\$2,834,000	\$2,920,000	\$2,961,000
City of Oxford	NC	\$135,000					
City of Peachtree City	GA	\$1,300,000	\$1,300,000	\$2,300,000	\$2,300,000	\$2,500,000	\$2,500,000
City of Peachtree Corners	GA					\$2,800,000	\$2,800,000
City of Perry	GA					\$417,300	\$748,200
City of Powder Springs	GA		\$324,123	\$352,579	\$454,054	\$364,146	\$500,640
City of Radcliff	KY	\$770,000	\$770,000				
City of Raleigh	NC	\$13,500,000	\$15,500,000	\$16,200,000	\$21,164,792	\$22,375,430	\$22,400,000

Utility Fees and Rates

Comparative Annual Revenues (continued)

Jurisdiction	State	2011	2013	2015	2017	2019	2021
City of Richland	MS					\$40,000	\$40,000
City of Rocky Mount	NC	\$3,200,000	\$3,500,000		\$4,014,000	\$4,014,000	\$4,105,000
City of Roswell	GA					\$3,100,000	\$3,100,000
City of Salisbury	NC				\$115,000		\$1,345,985
City of Snellville	GA		\$541,088	\$535,775	\$820,068	\$811,502	\$840,000
City of Stuart	FL	\$540,000	\$540,000	\$680,473	\$758,000	\$758,000	\$758,000
City of Sugar Hill	GA					\$660,000	\$690,000
City of Sumter	SC		\$505,000	\$505,000	\$505,000	\$798,000	\$805,000
City of Thomasville	NC				\$134,000	\$134,000	\$134,000
City of Valdosta	GA	\$1,200,000	\$1,200,000	\$1,200,000	\$1,700,000	\$1,740,000	\$1,740,000
City of Warner Robbins	GA		\$2,500,000	\$2,457,149	\$2,457,149		
City of Washington	NC				\$589,084	\$845,000	\$1,191,770
City of Wilmington	NC	\$7,020,000	\$8,441,379	\$6,982,279	\$7,379,168	\$7,379,168	\$12,811,151
City of Wilson	NC				\$3,085,010		
City of Winston-Salem	NC	\$8,601,060	\$10,400,000	\$10,400,000	\$10,400,000		
City of Woodstock	GA	\$1,077,215	\$1,077,215		\$1,077,215	\$1,077,215	\$1,077,215
Clayton County Water Authority	GA	\$8,700,000		\$9,200,000	\$9,200,000	\$9,800,000	\$9,800,000
Columbia County	GA	\$1,300,000	\$1,715,649	\$2,500,000	\$3,900,000	\$4,724,885	\$5,032,800
Davidson County / City of Nashville	TN	\$14,000,000	\$14,000,000	\$14,000,000	\$14,443,200	\$35,400,000	\$35,400,000
DeKalb County	GA	\$16,900,000	\$16,900,000	\$15,000,000	\$14,600,000	\$14,600,000	
Dorchester County	SC	\$1,437,078	\$1,437,078	\$1,468,045	\$1,468,949	\$2,330,422	\$2,612,203
Douglasville / Douglas County	GA	\$4,500,000				\$4,800,000	\$4,800,000
Durham County	NC						\$843,000
Georgetown County	SC	\$1,672,736		\$1,672,736	\$1,672,736	\$1,019,059	\$1,019,059
Greenville County	SC	\$7,000,000	\$8,200,000	\$8,000,000	\$8,000,000	\$8,000,000	\$9,500,000
Gwinnett County	GA	\$31,373,817	\$31,420,057	\$30,862,028	\$31,278,994	\$29,777,568	\$29,220,088
Hamilton County	TN	\$588,881	\$626,937	\$655,266	\$774,900	\$774,900	\$774,900
Henry County	GA	\$2,600,000				\$7,281,416	\$3,207,130
Horry County	SC	\$4,750,000		\$4,800,000	\$4,900,000	\$7,590,000	\$8,200,000
Jefferson County	AL		\$5,000,000	\$420,000	\$180,000	\$192,663	\$192,663
Jefferson County DOH - SWMA	AL						\$683,515
Lancaster County	SC					\$1,200,000	\$1,312,620
Lexington-Fayette County	KY		\$11,500,000	\$13,500,000	\$13,500,000	\$14,000,000	\$15,165,000
Mecklenburg County	NC	\$800,000	\$800,000	\$850,000	\$850,000	\$850,000	\$850,000
Richland County	SC					\$3,300,000	\$3,300,000
Rockdale County	GA		\$1,700,000	\$1,800,000	\$1,800,000	\$1,900,000	\$1,900,000

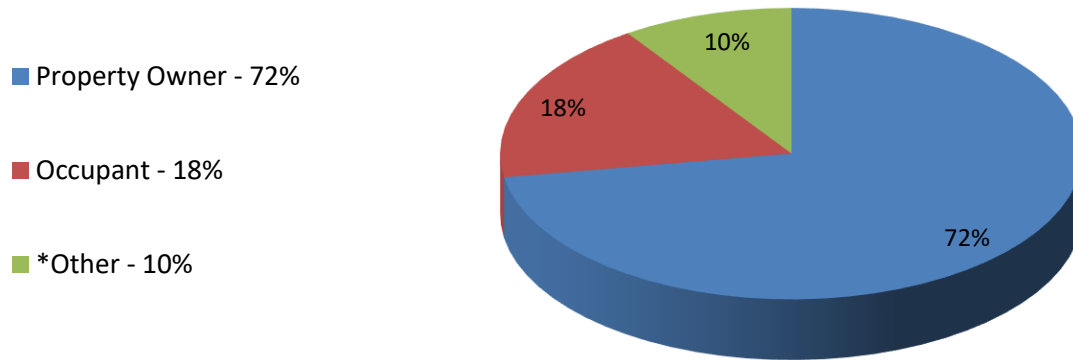
Utility Fees and Rates

Comparative Annual Revenues (continued)

Jurisdiction	State	2011	2013	2015	2017	2019	2021
Sanitation District #1	KY	\$10,800,000	\$10,800,000	\$12,740,000	\$12,740,000	\$13,000,000	\$13,700,000
Spartanburg County	SC				\$900,000	\$900,000	\$1,250,000
Town of Bluffton	SC			\$115,000			\$1,536,725
Town of Carrboro	NC						\$1,005,000
Town of Chapel Hill	NC	\$1,770,000		\$2,190,778	\$2,187,870	\$2,700,000	\$3,000,000
Town of Fort Mill	SC					\$660,000	\$905,000
Town of Haw River	NC				\$2,300,000		
Town of Hilton Head Island	SC	\$3,500,000	\$3,500,000	\$3,500,000		\$4,775,000	\$4,775,000
Town of Hope Mills	NC	\$422,000	\$634,000		\$678,912	\$678,912	
Town of Indian Trail	NC	\$1,000,000	\$1,000,000	\$1,200,000			
Town of James Island	SC		\$320,000		\$430,000	\$305,000	\$305,000
Town of Kernersville	NC	\$752,743			\$1,284,579	\$1,367,983	\$1,367,983
Town of Landis	NC	\$94,000					
Town of Lincolville	SC		\$14,750		\$34,000	\$32,000	\$32,000
Town of Matthews	NC	\$562,000	\$590,000	\$590,000	\$824,000	\$850,000	\$887,363
Town of Morrisville	NC		\$440,000	\$501,000	\$555,000	\$555,000	\$561,846
Town of Mount Pleasant	SC		\$1,100,000	\$2,100,000	\$2,650,000	\$2,700,000	\$2,800,000
Town of Port Royal	SC			\$164,837			
Town of Signal Mountain	TN		\$260,000				
Town of Smyrna	GA	\$1,200,000			\$1,200,000		
Town of Sullivan's Island	SC		\$41,000		\$88,000	\$95,000	\$95,000
Town of Summerville	SC				\$1,104,993	\$1,421,267	\$1,543,035
Town of Wrightsville Beach	NC	\$137,000	\$137,000	\$137,000			
Warren County	KY		\$900,000	\$900,000	\$900,000	\$1,125,000	\$1,125,000
Year		2011	2013	2015	2017	2019	2021
Total		\$277,834,165	\$297,330,728	\$307,680,889	\$377,850,985	\$425,094,460	\$371,033,738
Average		\$3,805,947	\$3,964,410	\$4,333,534	\$4,107,076	\$4,167,593	\$3,533,655

Utility Fees and Rates

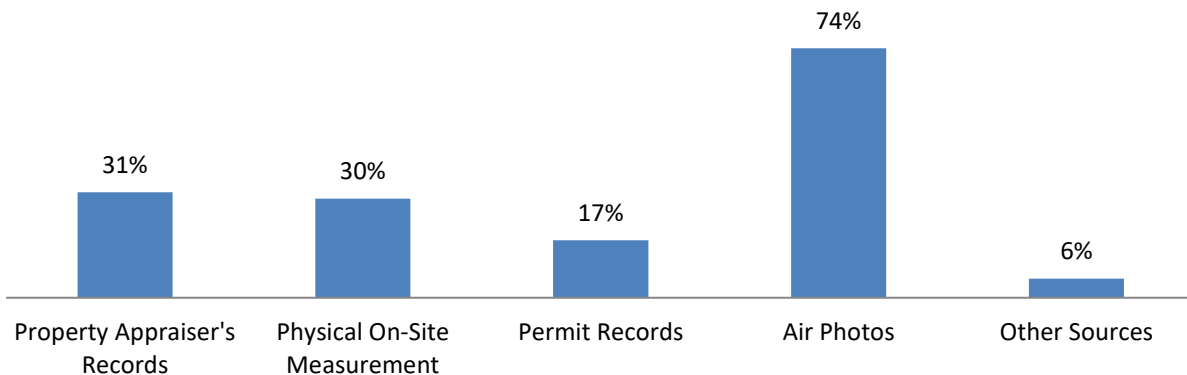
2-8. Who is responsible for paying your utility fee?



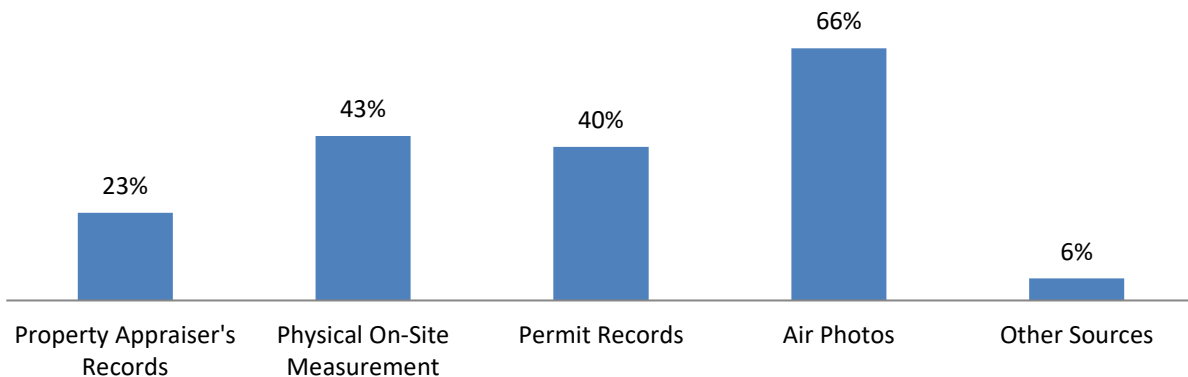
*Respondents provided the following comments to *Other*: 1) Either Property Owner or Occupant, 2) Utilities Customer, and 3) Property Owners can assign ERUs to occupants if they choose.

2-9. For properties that are charged a fee based on actual, on-site impervious area (i.e. *not* a customer class average) please estimate how a majority of this information was initially collected and how it is maintained for your billing database?

Initial



Maintenance



Utility Fees and Rates

2-10. What properties are exempt from your user fees (sorted highest to lowest)?

Streets/Highways	84%
Railroad Rights-of-Way	72%
Undeveloped Land (agricultural)	61%
Undeveloped Land (non-agricultural)	63%
Public Parks	23%
*Other (please specify)	23%
Properties that do not Discharge Runoff to Central Drainage System	13%
Airport Runways and Taxiways	15%
Government	13%
Waterfront	5%
None	4%

*Respondents provided the following comments to *Other*: 1) Inundated (submerged) properties, 2) Non-profits, churches, and utilities, 3) Properties that do NOT discharge to the MS4, 4) Properties located in other jurisdictions or other regulated entities, 5) parcels under 500 sq ft, 6) properties zoned as agriculture or unimproved properties (no impervious surface)

2-11. Please indicate your billing practices with regard to the following governmentally owned properties:

	Exempt	Bill and Collect	Bill But Don't Collect	Not Billed
Federal	9	69	4	3
State	9	71	2	5
County	7	77	1	3
City	11	68	3	8
School District	7	80	2	1
Special District	3	48	1	2

2-12. Of those accounts that receive credits, what is the average percent reduction in the utility fee?

Average reduction = 21.34 %

2-13. Of the total number of stormwater utility accounts, what percentage receive credits?

Average percentage of accounts that receive credits = 3%

2-14. Of those accounts that receive credits, what is the range in possible percent reductions in stormwater utility fees?

Reported range of possible reductions is 0% to 100%
Average percent reduction is 24%

Utility Fees and Rates

2-15. Are credits provided for private detention/retention facilities?

Yes – 62%

No – 38%

Respondents provide the following comments to Yes: 1) Only through grandfathering. The new credit system only provides discounts for runoff reduction measures.

2-16. Are user fees for single-family detached dwellings the same as for individual units in multi-family (e.g. apartments, condominiums)?

Yes – 35%

No – 65%

Respondents provided the following comments: 1) Apartments billed as commercial, condos billed like single family, and Condos are billed for 1 ERU, but apartment complexes are billed by measured impervious.

2-17. Do user fees vary by watershed?

Yes – 1%

No – 99%

2-18. Are different fees charged within the “zone-of-benefit” of specific capital projects to account for differences in capital costs?

Yes – 0%

No – 100%

2-19. Does your local code require private detention/retention facilities?

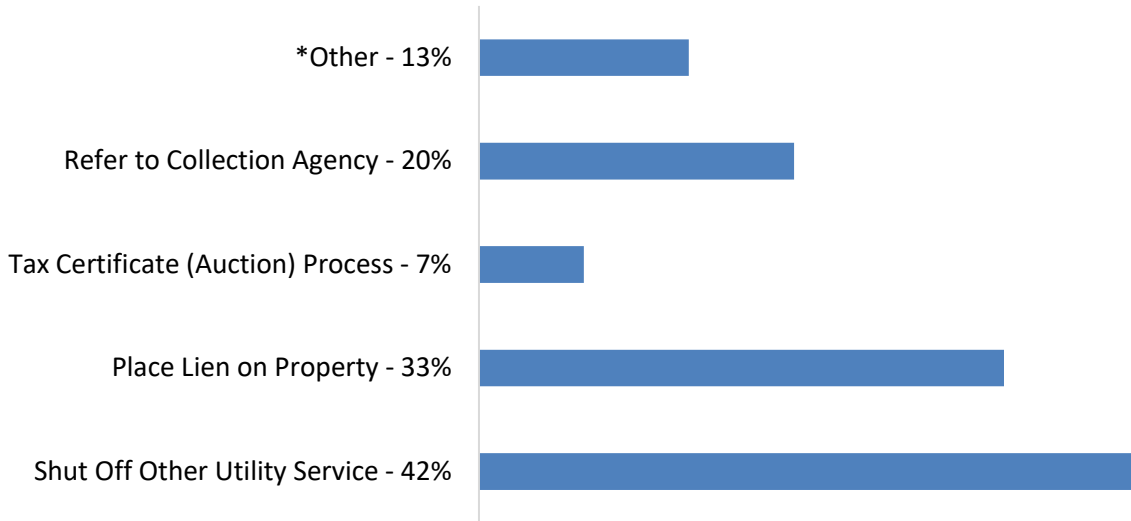
Yes – 88%

No – 12%

Respondents provided the following comments: 1) No, detention/retention facilities may be private-individual, private-HOA, public-City maintained. 2) It depends on how the land is developed and what our agreement is with the developer.

Utility Fees and Rates

2-20. How is payment of the utility charge enforced?



*Respondents provided the following comments to *Other*: 1) include shut off utility/property lien, 2) civil action in appropriate court, and 3) small claims court.

2-20. Were interim rates established during the formation of the utility prior to adoption of a permanent rate format?

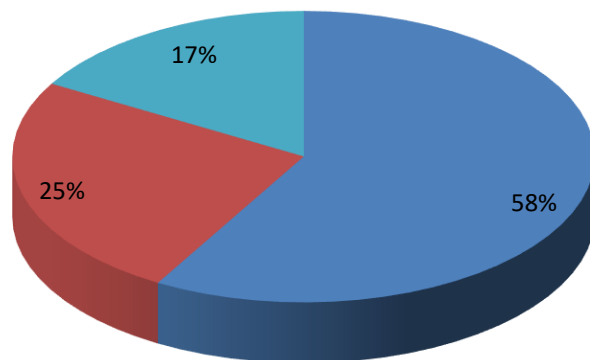
Yes – 23%
No – 77%

2-22. Have your stormwater fees or assessments faced a legal challenge in court?

Yes – 10%
No – 90%

2-23. If your charges have been challenged in court, what was the outcome?

- Fee Sustained - 58%
- Settlement Reached - 25%
- Pending - 0%
- Fees Not Sustained - 0%
- Other - 17%



Utility Fees and Rates

2-24. Has your jurisdiction modified your stormwater utility rate structure to take into account new water quality requirements and corresponding costs as a result of the TMDL program?

Yes – 16%

No – 84%

If not, are you actively considering such modifications?

Yes – 14%

No – 86%

Respondents provided the following comments: 1) No, they get a credit if they can prove a certain percent of increased water quality.

Stormwater Program

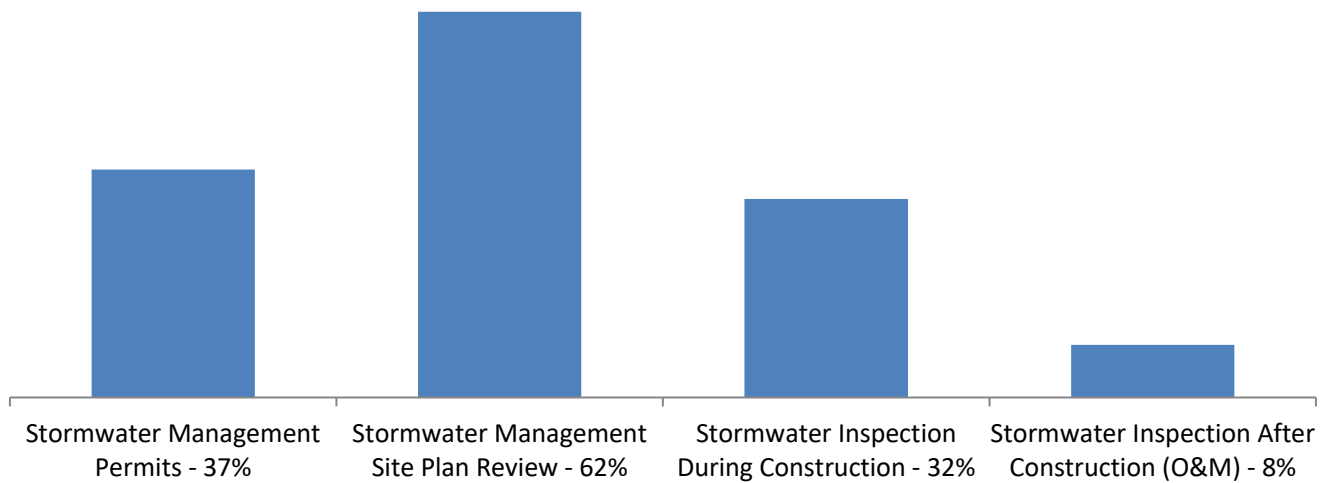
Stormwater Program

3-1. Does your utility use operation and maintenance permits (or other enforcement methods) to require private owners to maintain their on-site stormwater facilities?

Yes – 87%
No – 13%

Respondents provided the following comments: 1) Yes, we do now. We try to have service agreements in place with new developments. We have not always done this, and it makes it very hard to enforce maintenance.

3-2. Does your jurisdiction charge a fee for:



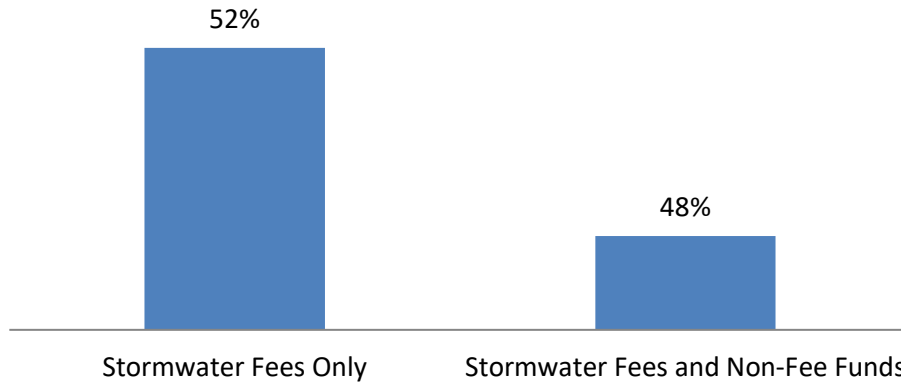
Respondents provided the following comments: 1) No, this cost is included in permitting fees.

3-3. If your jurisdiction does charge fees for any of the services in question 3-2, does your stormwater utility receive some (or all) of these revenues?

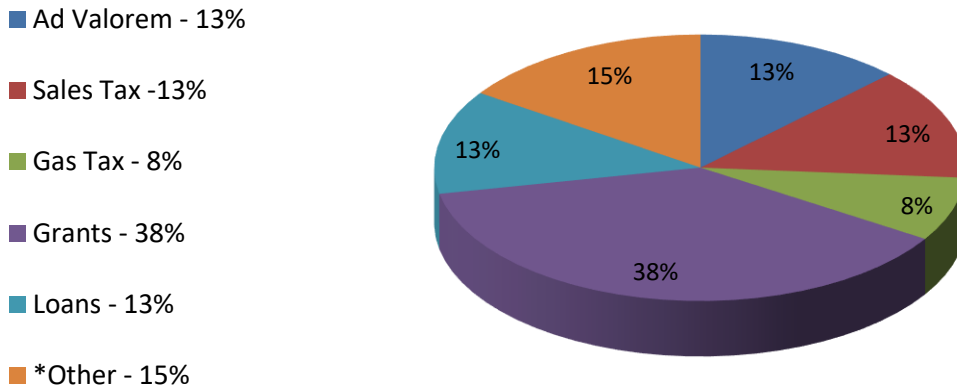
Yes – 54%
No – 46%

Stormwater Program

3-4. Is your stormwater capital construction program funded only from stormwater fee revenue, or are non-fee funds utilized?



3-5. If non-fee funds are used for capital construction, what is the source of the revenue?



*Respondents included the following comments for *Other*: 1) Stormwater Fees, 2) GO Bonds, and 3) Bonds/Debt.

3-6. Please estimate your jurisdiction’s capital improvement needs for stormwater management over the following periods of time.

	Estimated Need (Total)	Average Need	# of Respondents
Next 5 Years	\$2,140,449,827.00	\$25,181,762.67	85
Next 10 Years	\$4,458,561,488.00	\$57,903,395.95	77
Next 20 Years	\$9,455,480,443.00	\$139,051,182.99	68

Respondents provided the following comments: 1) capital improvement needs are calculated annually and not in 10 and 20 year increments.

Stormwater Program

Of the jurisdictions that reported capital improvement needs by categories of Water Quality and Flood Control, the following data was provided:

Next 5 Years		Next 10 Years		Next 20 Years	
Water Quality	Flood Control	Water Quality	Flood Control	Water Quality	Flood Control
\$5,000,000	\$5,000,000	\$15,000,000	\$15,000,000	\$25,000,000	\$25,000,000
\$1,000,000	\$10,000,000	\$2,500,000	\$25,000,000	\$25,000,000	\$250,000,000
\$250,000	\$250,000	\$500,000	\$500,000	\$2,500,000	\$2,500,000
\$250,000	\$250,000	\$500,000	\$500,000	\$2,500,000	\$2,500,000
\$2,700,000	\$3,000,000	\$5,500,000	\$5,000,000	\$1,000,000	\$1,000,000
\$10,000	\$10,000	\$30,000		\$40,000	
\$0	\$9,000,000	\$1,000,000	\$17,000,000	\$3,000,000	\$34,000,000
\$5,000,000	\$20,000,000	\$10,000,000	\$50,000,000	\$20,000,000	\$80,000,000
\$600,000	\$9,400,000	\$1,200,000	\$18,800,000	\$2,400,000	\$37,600,000
\$250,000	\$250,000	\$500,000	\$500,000	\$2,500,000	\$2,500,000
\$100,000	\$100,000	\$250,000	\$250,000	\$1,000,000	\$1,000,000
\$250,000	\$250,000	\$500,000	\$500,000	\$2,500,000	\$2,500,000

3-7. Does your jurisdiction have an adopted stormwater master plan?

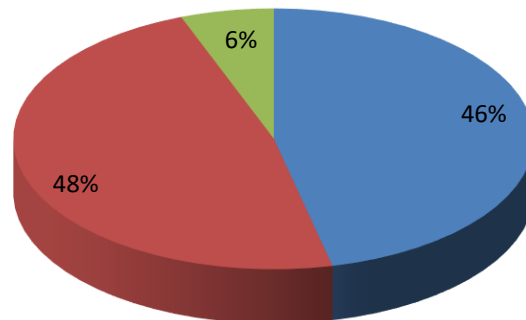
Yes – 59%
No – 41%

3-8. If your jurisdiction does not have an adopted stormwater master plan (i.e. you answered “No” to question 3-7) is the establishment of such a plan under active consideration?

Yes – 57%
No – 43%

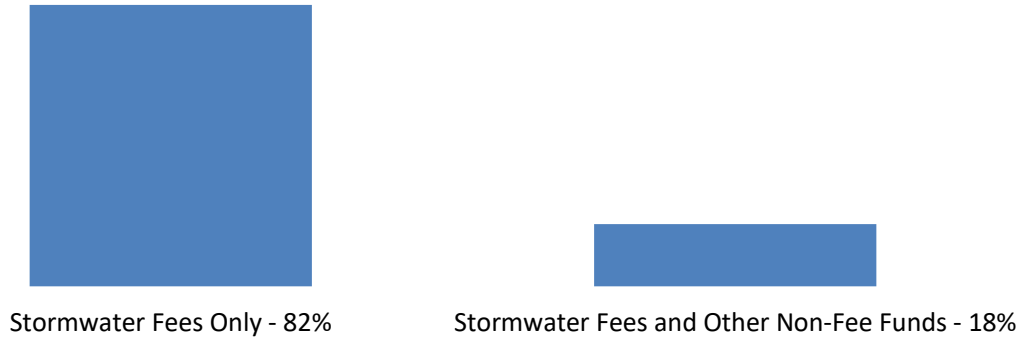
3-9. If your jurisdiction does have an adopted stormwater master plan (i.e. you answered “Yes” to question 3-7), does your jurisdiction make an effort to coordinate your local land use plans with your stormwater Master Plan and NPDES Program concepts?

- Strong Effort - 46%
- Moderate Effort - 48%
- No Effort - 6%

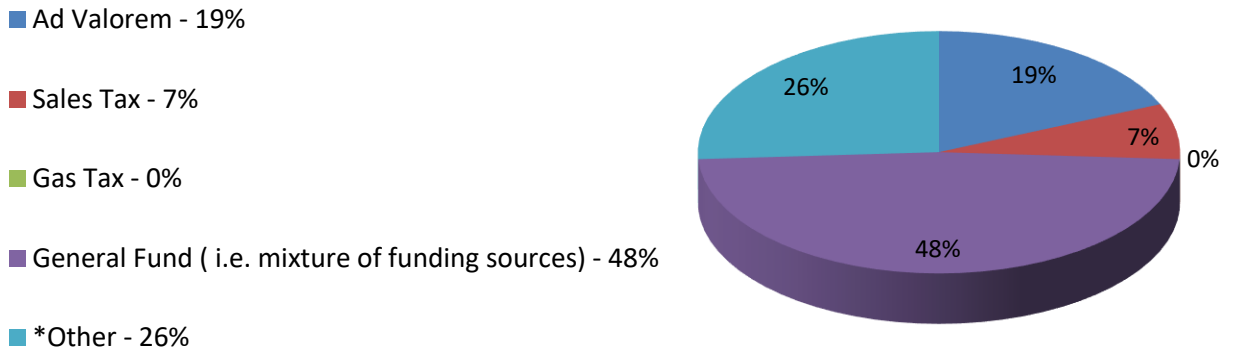


Stormwater Program

3-10. Is your stormwater operating budget funded only from stormwater fee revenue, or are other non-fee funds utilized?



3-11. If non-fee funds are used for operations, what is the source of the revenue?



*Respondents provide the following comments to *Other*: 1) Grants.

3-12. What is the current number of full-time equivalent employees funded with stormwater fee revenue?

	2021	2019
Average:	19	20
High:	195	153
Low:	0	0

3-13. Does your jurisdiction monitor improvements in water quality?

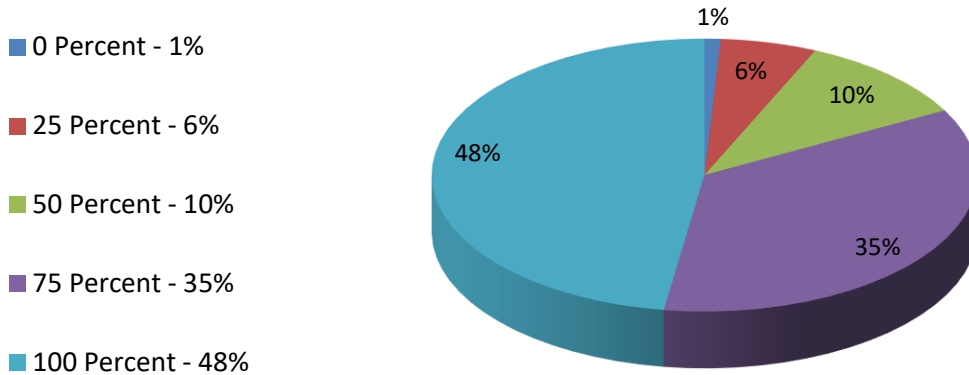
Yes – 79%
No – 21%

Stormwater Program

3-14. Does your jurisdiction monitor improvements in flood protection?

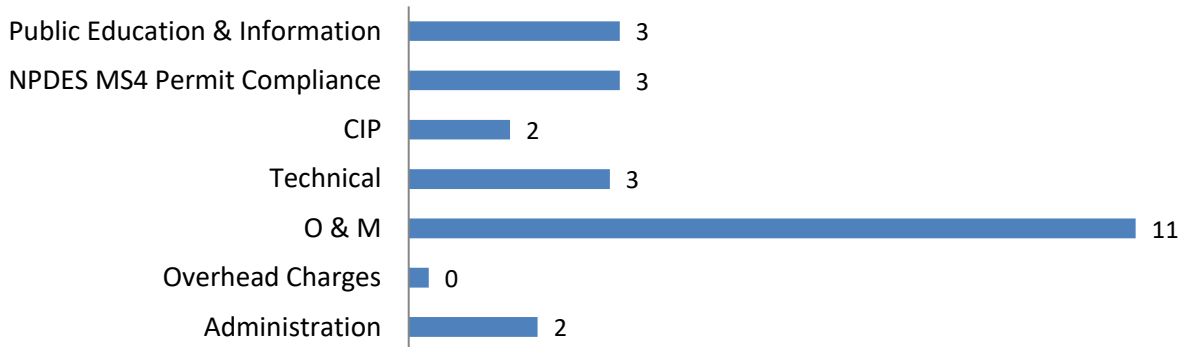
Yes – 75%
No – 25%

3-15. What percentage of your jurisdiction’s stormwater facilities are mapped and inventoried?

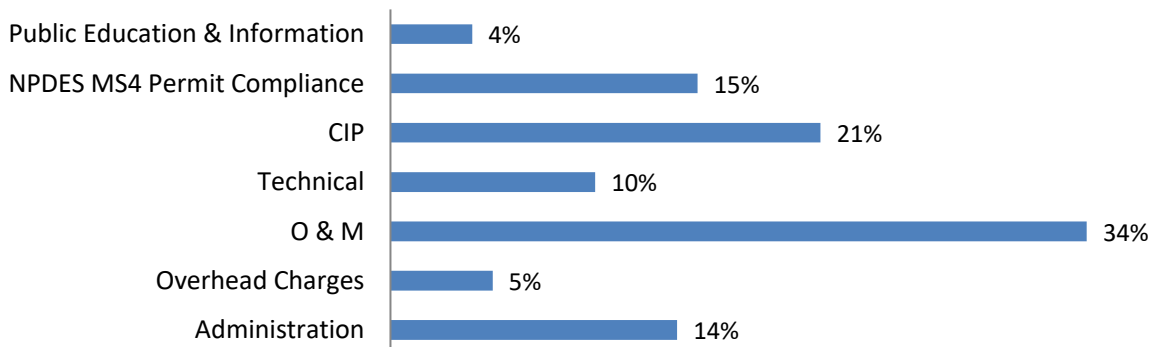


3-16. Estimate the number of full-time employees (FTEs) and the percentage of your total stormwater program’s annual budget allocated to the following program categories:

Number of Employees

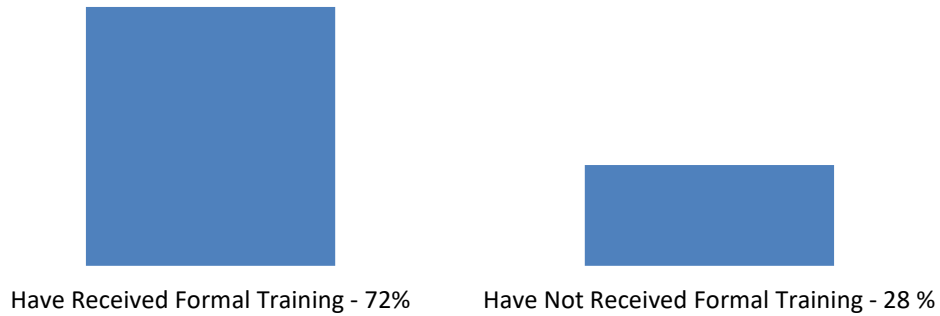


Percent of Budget



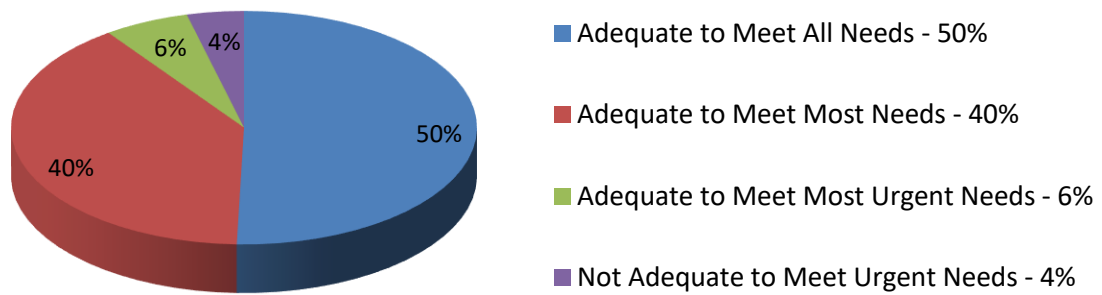
Stormwater Program

3-17. For Operations and Maintenance (field) personnel, how many have received formal training or certification.

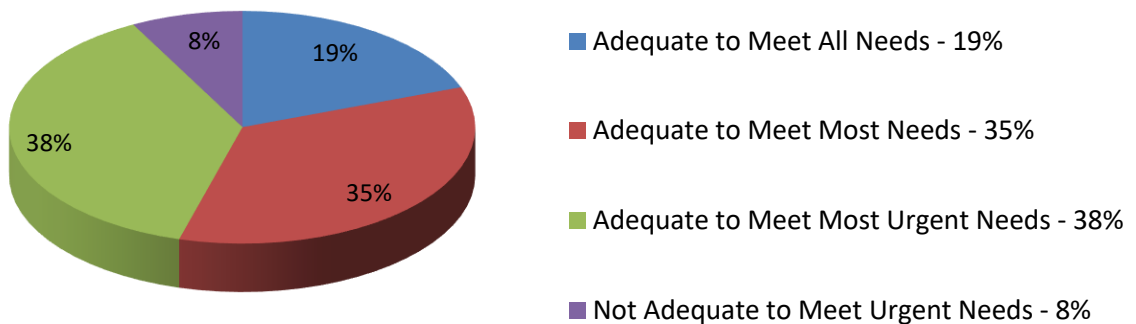


3-18. Is the stormwater fee revenue sufficient to address the following program areas?

Administration



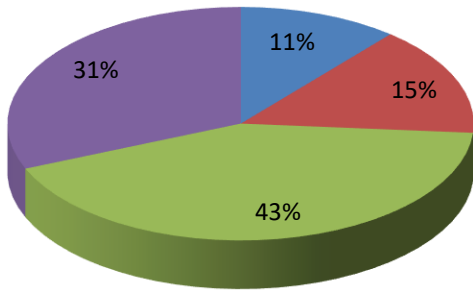
O & M



Stormwater Program

3-18. Is the stormwater fee revenue sufficient to address the following program areas?
(continued)

CIP



- Adequate to Meet All Needs - 11%
- Adequate to Meet Most Needs - 15%
- Adequate to Meet Most Urgent Needs - 43%
- Not Adequate to Meet Urgent Needs - 31%

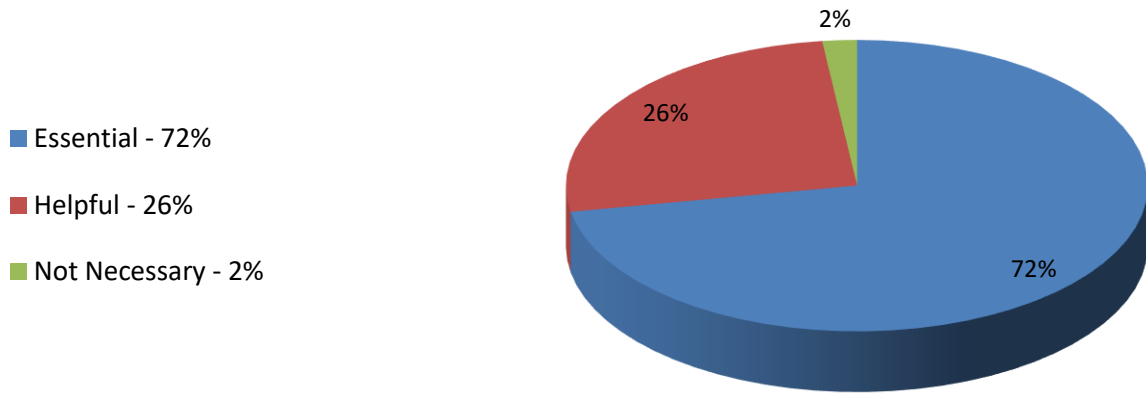
3-19. Does your utility manage the FEMA community rating system flood management program for your jurisdiction?

Yes – 42%
No – 58%

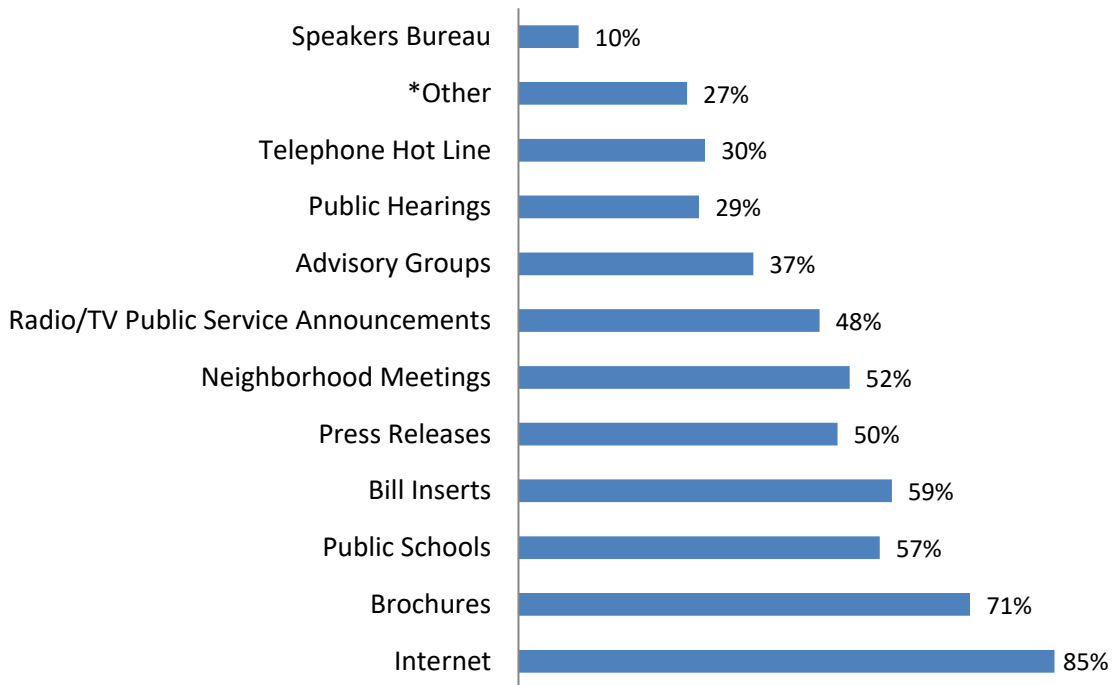
Public Information Effort

Public Information Effort

4-1. How important is an organized public information/education effort to the continuing success of a user fee funded stormwater utility?



4-2. What means have you found to be most effective in educating the public about utility services, program needs and financing, and citizen responsibilities?



*Respondents provided the following comments to *Other*: 1) One-on-one onsite communications, 2) personal interactions when requests for stormwater services are received, 3) outreach events, 4) education workshops, 5) short videos and 6) social media.

Respondent List

Respondents

ALABAMA

City of Birmingham

Angela Moss
Stormwater Specialist
710 N 20th Street
Birmingham, AL 35203

Jefferson County

Tamekia Lee
Stormwater Program Manager
716 Richard Arrington Jr. Blvd, Rm B200
Birmingham, AL 35203

Jefferson County DOH - SWMA

Scott Hofer
Public Health Engineer
1400 Sixth Avenue S
Birmingham, AL 35233

FLORIDA

City of Stuart

Milton Leggett
Deputy Public Works Director
121 SW Flagler Avenue
Stuart, FL 34994

GEORGIA

Barrow County

Matt Treeter
Stormwater Manager
30 N Broad Street
Winder, GA 30680

City of Athens / Clarke County

Todd Stevenson
Stormwater Administrator
PO Box 1868
Athens, GA 30603

City of Auburn

Johnathen Eggleston
Stormwater Coordinator
1411 Sun Belt Way
Auburn, GA 30011

City of Brunswick

Garrow Alberson
City Engineer / Public Works Director
525 Lakewood Avenue
Brunswick, GA 31520

City of Clarkston

Rodney Beck
Director of Public Works
1055 Rowland Street
Clarkston, GA 30021

City of Covington

Lee Harvey
City Engineer / Assist Public Works Director
PO Box 1527
Covington, GA 30015-1527

Respondents

City of Duluth

Rhonda West
Stormwater Assistant
3167 Main Street
Duluth, GA 30096

City of East Point

Reza Aral
City Engineer II
2757 E Point Street
East Point, GA 30344

City of Fayetteville

Chris Hindman
Director of Public Services
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Fayetteville, GA 30214

City of Griffin

Brant Keller
Director of Public Works & Utilities
100 S Hill Street
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Peachtree City, GA 30269

City of Dunwoody

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56 Malone Street SW
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City of Garden City

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City of Norcross

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Respondents

City of Perry

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City of Roswell

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Roswell, GA 30075

City of Sugar Hill

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City of Woodstock

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Columbia County

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630 Ronald Reagan Drive
Evans, GA 30809

Gwinnett County

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City of Snellville

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City of Valdosta

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Henry County

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Respondents

KENTUCKY

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MISSISSIPPI

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NORTH CAROLINA

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City of Gastonia

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Mecklenburg County

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Respondents

Town of Kernersville

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SOUTH CAROLINA

Beaufort County

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Respondents

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Respondents

Town of Hilton Head Island

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Town of Lincolnville

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Thank you for your participation in the
2021 Southeast Stormwater Utility Report.

