



Southeast Stormwater Utility Report



2019

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 seventh biennial Survey of Stormwater Utilities in the southeastern United States. Its purpose is to provide useful information for managers and policy-makers 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 140 jurisdictions with stormwater utilities in 2019. Of those there were 103 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 "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.

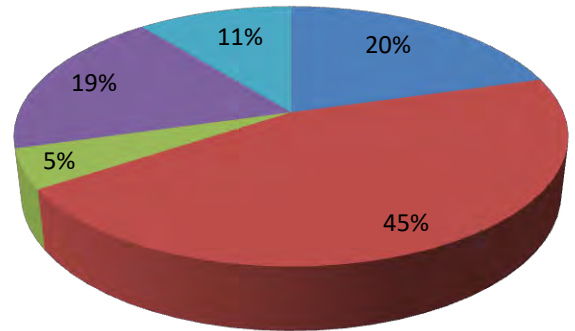
We hope you find this Report to be a valuable resource. A list of respondents can be found at the end of this report. For more information on SESWA, or to order additional reports, please contact us at www.SESWA.org or (866) 367-7379.

Utility Characteristics

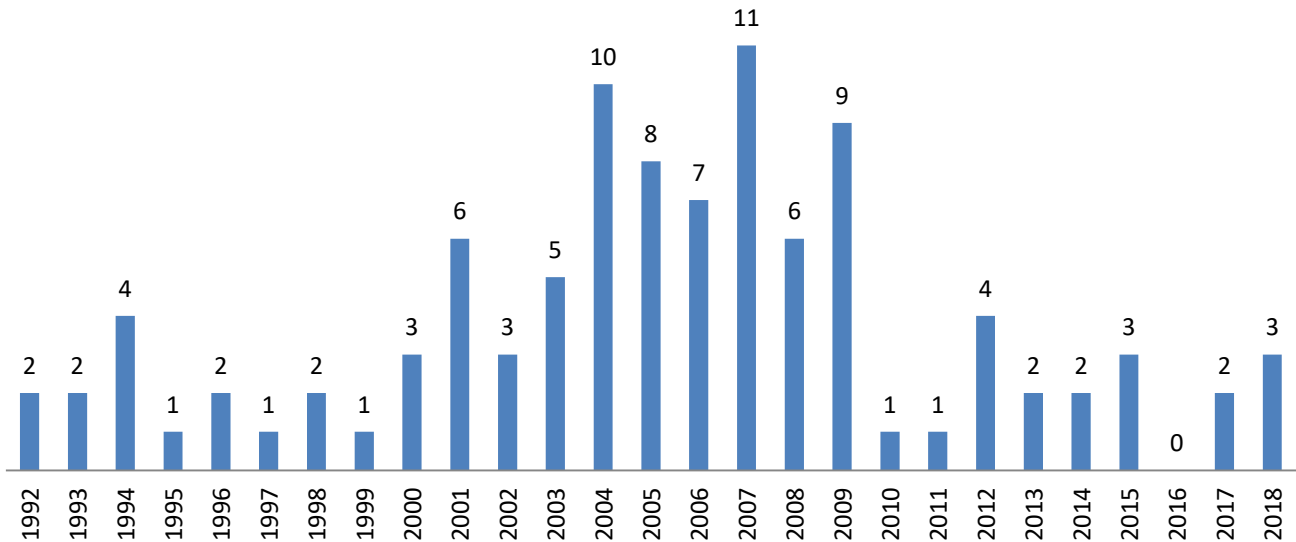
Utility Characteristics

1-1. How is your utility organized?

- Separate Department of Local Government - 20%
- Combined with Department of Public Works - 45%
- Combined with Wastewater Utility - 5%
- Combined with Other Department - 19%
- Authority or District Separate from Local Government - 11%



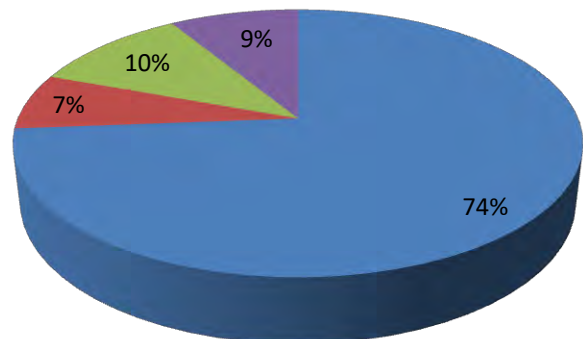
1-2. What year was your stormwater utility established?



Note: Data only reflects respondent information reported in 2019.

1-3. What jurisdiction does your utility serve?

- City Only - 74%
- City and Unincorporated County - 7%
- Unincorporated County Only - 10%
- Other* - 9%



*Responses include: Merged City-County Governments, Urbanized Portion of City.

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 81,033. 2017 average was 81,461.

Average Population is 91,173. 2017 average was 103,022.

Average number of Residential Accounts is 27,423. 2017 average was 34,043.

Average number of Non Residential Accounts is 4,494. 2017 average was 4,847.

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	378,704	96,855	43,849	22,043
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	5,184	11,466	3,655	880
City of Asheville	NC	29,268	91,902	23,803	4,868
City of Athens/Clarke County	GA	77,440	123,912	29,292	3,793
City of Auburn	GA	4,480	6,887	2,656	217
City of Belmont	NC	7,300	12,046	5,584	NR
City of Birmingham	AL	95,010	212,237	43,862	5,872
City of Bristol	TN	21,099	26,626	10,458	1,478
City of Brunswick	GA	10,944	16,300	4,232	2,628
City of Charleston	SC	100,000	124,000	115,000	NR
City of Charlotte	NC	196,700	890,000	186,207	22,183
City of Chattanooga	TN	96,080	179,139	54,130	6,823
City of Clarkston	GA	780	14,800	1,775	132
City of Cleveland	TN	192,000	42,774	14,649	2,560
City of Concord	NC	40,548	90,827	NR	NR
City of Conway	SC	15,281	23,714	7,047	1,221
City of Covington	GA	9,108	14,712	4,731	1,054
City of Decatur	GA	2,836	23,000	8,250	550
City of Dunwoody	GA	8,476	46,300	12,514	526
City of East Point	GA	8,640	35,000	9,708	743
City of Fairburn	GA	10,800	14,000	3,475	267
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	3,000	575
City of Gastonia	NC	33,000	74,000	30,000	3,500
City of Goodlettsville	TN	9,152	16,950	5,724	1,008
City of Greensboro	NC	85,568	285,344	71,128	16,244

Utility Characteristics

(continued)

Jurisdiction	State	Physical Area in Acres	Population Served	Residential Accounts	Non- Residential Accounts
City of Greenville	NC	22,758	84,986	28,853	9,696
City of Greenville	SC	19,048	58,409	20,422	4,781
City of Griffin	GA	9,558	23,464	8,281	1,521
City of Grovetown	GA	3,072	19,000	3,898	112
City of Hendersonville	TN	24,320	60,000	17,673	6,647
City of High Point	NC	36,634	113,125	36,601	3,589
City of Holly Springs	GA	4,361	15,820	4,711	209
City of Isle of Palms	SC	3,200	4,300	4,600	1,120
City of La Vergne	TN	16,064	35,071	NR	NR
City of Lawrenceville	GA	8,640	30,212	7,945	1,713
City of Loganville	GA	NR	12,062	4,063	582
City of Maryville	TN	8,960	26,000	8,694	1,042
City of Millersville	TN	8,864	6,593	1,865	154
City of Monroe	NC	19,232	35,100	10,229	1,613
City of Murfreesboro	TN	39,360	122,904	35,186	2,445
City of Murray	KY	7,232	17,741	5,065	955
City of Myrtle Beach	SC	15,181	32,000	15,412	3,778
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	13,558	15,579	11,496	1,850
City of Peachtree City	GA	16,282	35,186	12,527	524
City of Peachtree Corners	GA	11,117	43,268	112,797	9,273
City of Perry	GA	17,830	16,000	5,482	562
City of Powder Springs	GA	7	14,907	5,325	319
City of Raleigh	NC	92,800	451,066	110,004	18,487
City of Richland	MS	NR	7,200	NR	NR
City of Rocky Mount	NC	28,280	57,000	22,103	2,348
City of Roswell	GA	26,880	94,786	24,733	1,075
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	22,000	NR	NR
City of Sumter	SC	21,000	40,399	14,500	1,700
City of Thomasville	NC	7,104	27,374	10,230	979
City of Union City	TN	NR	10,800	NR	NR
City of Valdosta	GA	19,392	56,085	19,459	2,492
City of Washington	NC	5,395	9,811	4,624	800
City of Wilmington	NC	32,640	120,000	32,376	5,484

Utility Characteristics

(continued)

Jurisdiction	State	Physical Area in Acres	Population Served	Residential Accounts	Non- Residential Accounts
City of Woodstock	GA	8,012	31,564	10,740	1,179
Clayton County Water Authority	GA	91,520	285,153	75,521	3,940
Columbia County	GA	54,283	119,418	42,220	NR
Davidson County/City of Nashville	TN	293,879	216,839	198,261	18,578
DeKalb County	GA	171,520	600,000	NR	NR
Dorchester County	SC	368,000	156,456	46,729	8,000
Douglasville/Douglas County	GA	127,360	140,000	42,406	2,182
Georgetown County	SC	520,960	61,297	NR	NR
Greenville County	SC	500,000	506,837	166,138	11,123
Gwinnett County	GA	211,164	624,682	185,914	6,726
Hamilton County	TN	102,700	124,852	51,009	1,366
Henry County	GA	209,118	234,800	53,276	1,311
Horry County	SC	803,200	260,000	218,399	15,688
Jefferson County	AL	396,831	85,000	NR	NR
Lancaster County	SC	37,312	30,000	NR	NR
Lexington-Fayette County	KY	182,733	325,000	92,400	6,272
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	74,297	24,788	1,027
Sanitation District #1	KY	117,120	287,000	89,583	8,364
Spartanburg County	SC	203,520	250,000	NR	NR
Town of Chapel Hill	NC	13,504	59,653	15,321	NR
Town of Fort Mill	SC	2,965	16,780	94,895	2,410
Town of Hilton Head Island	SC	33,280	39,651	33,424	6,083
Town of Hope Mills	NC	4,442	16,248	5,147	370
Town of James Island	SC	6,160	12,000	5,210	1,220
Town of Kernersville	NC	16,045	24,078	6,800	900
Town of Lincolnton	SC	700	1,270	460	240
Town of Matthews	NC	11,000	33,000	8,039	587
Town of Morrisville	NC	6,272	25,000	4,922	2,348
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	12,330	48,900	15,340	NR
Warren County	KY	300,000	55,000	22,614	649

Utility Fees and Rates



**listen.
think.
deliver.**



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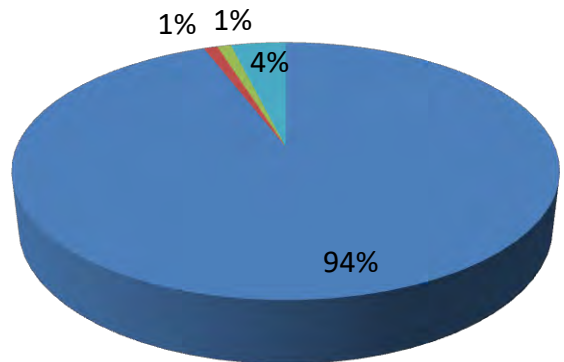


Utility Fees and Rates

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

- User Fee - 94%
- Non-Ad Valorem or Special Assessment - 1%
- Ad Valorem Tax - 1%
- Sales Tax - 0%
- Other* - 4%

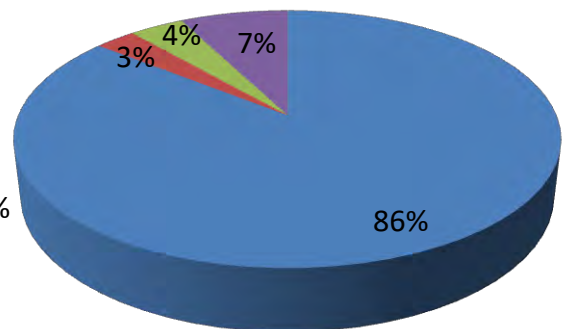
*Responses include: Milage



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

- Impervious Area - 86%
- Both Gross Area and Impervious Area - 3%
- Gross Area with Intensity of Development Factor - 4%
- Other* - 7%

*Responses include: If you receive a utility bill the fee is included in the Bill, Residential Property Only.



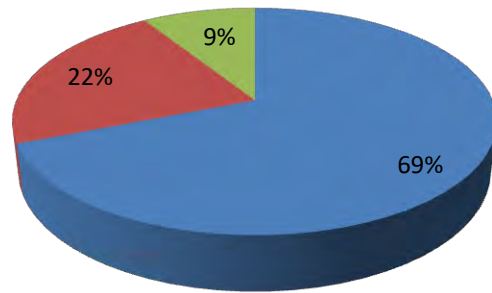
2-3. If impervious area is the fee basis, what is the square footage of your average billing unit (ERU or similar designation) ?

	2019	2017
Average	3,594	3,502
High	29,750	20,000
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 - 69%
- All Residential Types - 22%
- Other* - 9%



*Responses include: Base Area & Miscellaneous Parcel Area, All Properties Assessed Equally.

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

	2019	2017
Average Utility Rate:	\$4.35	\$3.88
Standardized Average Utility Rate*:	\$2.28	\$1.91

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

In 2019 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	\$2.00	3,478	\$0.58
Beaufort County	SC	\$7.25	4,906	\$1.48
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	\$4.86	2,442	\$1.99
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	\$3.00	2,500	\$1.20
City of Birmingham	AL	\$0.83	N/A	N/A
City of Bristol	TN	\$2.00	3,000	\$0.67
City of Brunswick	GA	\$3.95	2,200	\$1.80
City of Charleston	SC	\$10.00	2,200	\$4.55
City of Charlotte	NC	\$8.62	2,467	\$3.49
City of Chattanooga	TN	\$10.54	3,200	\$3.29
City of Clarkston	GA	\$6.45	2,200	\$2.93
City of Cleveland	TN	\$3.25	3,830	\$0.85

Utility Fees and Rates

Stormwater Utility Rates per Month (continued)

Jurisdiction	State	Rate	ERU	Standardized Rate*
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 Decatur	GA	\$8.33	2,900	\$2.87
City of Dunwoody	GA	\$6.39	3,000	\$2.13
City of East Point	GA	\$9.50	3,200	\$2.97
City of Fairburn	GA	\$4.08	3,300	\$1.24
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	\$3.25	2,650	\$1.23
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	\$6.26	2,389	\$2.62
City of Griffin	GA	\$5.17	2,200	\$2.35
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	\$4.00	3,000	\$1.33
City of La Vergne	TN	\$3.50	3,181	\$1.10
City of Lawrenceville	GA	\$5.00	N/A	N/A
City of Loganville	GA	\$5.00	3,000	\$1.67
City of Maryville	TN	\$3.97	2,400	\$1.65
City of Millersville	TN	\$4.00	N/A	N/A
City of Monroe	NC	\$4.50	2,618	\$1.72
City of Murfreesboro	TN	\$3.25	3,470	\$0.94
City of Murray	KY	\$1.50	3,000	\$0.50
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	\$3.10	NR	N/A
City of Powder Springs	GA	\$3.00	2,840	\$1.06
City of Raleigh	NC	\$5.00	2,260	\$2.21

Utility Fees and Rates

Stormwater Utility Rates per Month (continued)

Jurisdiction	State	Rate	ERU	Standardized Rate*
City of Richland	MS	N/A	N/A	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 Snellville	GA	\$0.40	3,800	\$0.11
City of Stuart	FL	\$4.78	3,707	\$1.29
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 Union City	TN	\$2.50	NR	N/A
City of Valdosta	GA	\$3.50	3,704	\$0.94
City of Washington	NC	\$5.50	1,920	\$2.86
City of Wilmington	NC	\$8.19	2,500	\$3.28
City of Woodstock	GA	\$4.20	2,700	\$1.56
Clayton County Water Authority	GA	\$3.75	2,950	\$1.27
Columbia County	GA	\$0.18	100	\$1.78
Davidson County/City of Nashville	TN	\$3.00	N/A	N/A
DeKalb County	GA	\$4.00	3,000	\$1.33
Dorchester County	SC	\$3.87	3,735	\$1.04
Douglasville-Douglas County	GA	\$4.00	2,543	\$1.57
Georgetown County	SC	\$4.33	3,770	\$1.15
Greenville County	SC	\$2.25	2,477	\$0.91
Gwinnett County	GA	\$2.46	100	\$24.60
Hamilton County	TN	\$0.75	3,600	\$0.21
Henry County	GA	\$3.32	4,780	\$0.69
Horry County	SC	\$3.70	2,500	\$1.48
Jefferson County	AL	\$0.42	N/A	N/A
Lancaster County	SC	\$5.00	3,500	\$1.43
Lexington-Fayette County	KY	\$4.90	2,500	\$1.96
Mecklenburg County	NC	\$1.71	2,390	\$0.72
Richland County	SC	NR	N/A	N/A
Rockdale County	GA	\$3.39	3,420	\$0.99
Sanitation District #1	KY	\$5.04	2,600	\$1.94
Spartanburg County	SC	\$4.00	N/A	N/A
Town of Chapel Hill	NC	\$2.68	1,000	\$2.68
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 Hope Mills	NC	\$4.00	2,266	\$1.77
Town of James Island	SC	\$4.00	3,000	\$1.33

Utility Fees and Rates

Stormwater Utility Rates per Month (continued)

Jurisdiction	State	Rate	ERU	Standardized Rate*
Town of Kernersville	NC	\$3.29	2,980	\$1.10
Town of Lincolnton	SC	\$4.00	3,000	\$1.33
Town of Matthews	NC	N/A	N/A	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	29,750	\$0.13
Warren County	KY	\$4.00	N/A	N/A

Comparative Monthly Stormwater Rates

The table compares rates from jurisdictions from 2007 through 2019. 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 2019 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
Average		\$3.18	\$3.22	\$3.61	\$3.55	\$3.73	\$3.91	\$4.35
Jurisdiction	State	2007	2009	2011	2013	2015	2017	2019
Barrow County	GA			\$1.50	\$1.50	\$1.50	\$1.50	\$2.00
Beaufort County	SC	\$3.69		\$4.16	\$4.16	\$4.16	\$5.80	\$7.25
Berkeley County	SC							\$3.00
Charleston County	SC	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$6.00	\$6.00
City of Aiken	SC	\$3.22				\$3.22	\$5.42	
City of Anderson	SC				\$4.00	\$4.50	\$4.50	\$4.50
City of Archdale	NC	\$5.00		\$5.00	\$5.00	\$5.00	\$5.00	\$5.00
City of Asheville	NC				\$2.34	\$4.00	\$4.41	\$4.86
City of Athens/Clarke County	GA	\$3.50	\$3.51	\$3.51	\$3.51	\$3.51	\$3.51	\$3.51
City of Auburn	GA						\$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
City of Bessemer City	NC	\$2.07	\$2.07	\$2.07		\$2.07		
City of Birmingham	AL					\$0.43	\$0.83	\$0.83
City of Bristol	TN					\$2.00	\$2.00	\$2.00

Utility Fees and Rates

Comparative Monthly Stormwater Rates (continued)

		2007	2009	2011	2013	2015	2017	2019
Average		\$3.18	\$3.22	\$3.61	\$3.55	\$3.73	\$3.91	\$4.35
Jurisdiction	State	2007	2009	2011	2013	2015	2017	2019
City of Brunswick	GA							\$3.95
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
City of Charlotte	NC	\$5.15	\$5.90	\$6.63	\$7.48	\$8.13	\$9.95	\$8.62
City of Chattanooga	TN	\$2.50	\$2.50	\$9.60	\$9.60	\$9.60	\$9.60	\$10.54
City of Clarkston	GA							\$6.45
City of Cleveland	TN						\$3.25	\$3.25
City of Concord	NC			\$4.30	\$4.30	\$4.30	\$4.30	\$5.16
City of Conway	SC	\$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
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				
City of Dunwoody	GA				\$5.75	\$5.75	\$5.93	\$6.39
City of Easley	SC	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	
City of East Point	GA							\$9.50
City of Fairburn	GA	\$4.00	\$4.00	\$4.00	\$4.08	\$4.08	\$4.08	\$4.08
City of Fayetteville	GA	\$2.95	\$2.95	\$2.95	\$2.95		\$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
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
City of Gastonia	NC	\$2.75					\$3.25	\$3.25
City of Germantown	TN						\$3.25	
City of Goodlettsville	TN				\$2.00	\$5.50	\$5.50	\$3.67
City of Greensboro	NC	\$2.70	\$2.70	\$2.70	\$2.70	\$2.70	\$2.70	\$2.70
City of Greenville	NC							\$5.35
City of Greenville	SC	\$2.85	\$2.85	\$2.85			\$5.99	\$6.26
City of Griffin	GA	\$3.50	\$4.39	\$4.33	\$4.65	\$4.79	\$4.79	\$5.17
City of Grovetown	GA							\$4.95
City of Hendersonville	TN							\$6.00
City of HighPoint	NC				\$2.00	\$2.00	\$2.00	\$4.00
City of Holly Springs	GA				\$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

Utility Fees and Rates

Comparative Monthly Stormwater Rates (continued)

		2007	2009	2011	2013	2015	2017	2019
Average		\$3.18	\$3.22	\$3.61	\$3.55	\$3.73	\$3.91	\$4.35
Jurisdiction	State	2007	2009	2011	2013	2015	2017	2019
City of La Vergne	TN							\$3.00
City of Lawrenceville	GA		\$4.20	\$4.20	\$4.20	\$4.20	\$4.20	\$5.00
City of Loganville	GA		\$5.00	\$5.00				\$5.00
City of Maryville	TN			\$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
City of Morristown	TN		\$1.00	\$1.00				
City of Murfreesboro	TN			\$3.25	\$3.25	\$3.25	\$3.25	\$3.25
City of Murray	KY						\$1.50	\$1.50
City of Myrtle Beach	SC			\$5.25	\$5.25			\$6.25
City of Norcross	GA		\$0.10			\$1.25	\$1.75	\$1.95
City of North Augusta	GA	\$4.00	\$4.00	\$4.00	\$4.00	\$5.00	\$5.00	\$5.00
City of North Charleston	SC			\$3.00	\$3.00	\$3.36	\$3.36	\$6.00
City of North Myrtle Beach	SC	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$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
City of Peachtree Corners	GA							\$2.46
City of Perry	GA							\$3.10
City of Powder Springs	GA				\$3.00	\$3.00	\$3.00	\$3.00
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
City of Rocky Mount	NC		\$3.75	\$4.25	\$4.25		\$5.00	\$5.00
City of Roswell	GA							\$3.95
City of Snellville	GA				\$2.33	\$2.33	\$0.40	\$0.40
City of Stuart	FL			\$3.76	\$3.89	\$4.01	\$4.07	\$4.78
City of Sumter	SC				\$2.50	\$2.50	\$2.50	\$2.50
City of Thomasville	NC							\$1.00
City of Union City	TN							\$2.50
City of Valdosta	GA	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$3.50	\$3.50
City of Warner Robins	GA				\$4.25	\$4.25	\$4.25	
City of Washington	NC						\$5.50	\$5.50
City of Wilmington	NC	\$5.00	\$5.00	\$5.30	\$6.09	\$6.83	\$7.66	\$8.19
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
Clayton County Water Authority	GA		\$3.75	\$3.75		\$3.75	\$3.75	\$3.75

Utility Fees and Rates

Comparative Monthly Stormwater Rates (continued)

		2007	2009	2011	2013	2015	2017	2019
Average		\$3.18	\$3.22	\$3.61	\$3.55	\$3.73	\$3.91	\$4.35
Jurisdiction	State	2007	2009	2011	2013	2015	2017	2019
Columbia County	GA		\$0.09	\$0.09	\$0.09	\$0.12	\$0.18	\$0.18
Cumberland County/Fayetteville	NC	\$1.00	\$3.00					
Davidson Count/City of Nashville	TN			\$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
Douglasville-Douglas County	GA							\$4.00
Georgetown County	SC		\$4.30	\$4.30		\$4.30	\$4.33	\$4.33
Greenville County	SC				\$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
Hamilton County	TN			\$0.75	\$0.75	\$0.75	\$0.75	\$0.75
Henry County	GA	\$2.83	\$2.83	\$3.32				\$3.32
Horry County	SC		\$2.45	\$2.45		\$2.45	\$2.45	\$3.70
Jefferson County	AL				\$0.42	\$0.42	\$0.42	\$0.42
Lancaster County	SC							\$5.00
Lexington-Fayette County	KY				\$4.49	\$4.63	\$4.68	\$4.90
Louisville/Jefferson County Metro	KY		\$5.35					
Mecklenburg County	NC	\$3.18	\$2.12	\$2.12	\$2.12	\$2.12	\$1.71	\$1.71
Rockdale County	GA	\$3.38			\$3.39	\$3.39	\$3.39	\$3.39
Sanitation District #1	KY	\$4.02	\$4.30	\$4.44	\$4.44	\$4.44	\$5.04	\$5.04
Spartanburg County	SC	\$4.00	\$4.00				\$4.00	\$4.00
Town of Bluffton	SC					\$8.60		
Town of Chapel Hill	NC			\$3.25		\$2.06	\$2.18	\$2.68
Town of Fort Mill	SC							\$6.00
Town of Haw River	NC						\$2.00	
Town of Hilton Head Island	SC			\$9.06	\$9.06	\$9.06		\$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
Town of Kernersville	NC			\$3.29			\$3.04	\$3.29
Town of Landis	NC		\$5.00	\$5.00				
Town of Lincolville	SC		\$3.00	\$3.00	\$3.00	\$3.00	\$4.00	\$4.00
Town of Matthews	NC	\$1.42	\$1.42	\$1.42	\$1.42	\$1.42	\$2.07	
Town of Morrisville	NC				\$1.92	\$2.08	\$2.08	\$2.08
Town of Mount Pleasant	SC				\$2.50	\$5.00	\$5.00	\$5.00
Town of Port Royal	SC					\$4.16		
Town of Signal Mountain	TN				\$0.01			

Utility Fees and Rates

Comparative Monthly Stormwater Rates (continued)

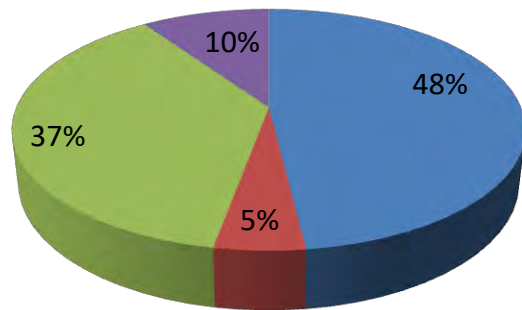
		2007	2009	2011	2013	2015	2017	2019
Average		\$3.18	\$3.22	\$3.61	\$3.55	\$3.73	\$3.91	\$4.35
Jurisdiction	State	2007	2009	2011	2013	2015	2017	2019
Town of Smyrna	GA		\$3.47	\$3.47			\$3.47	
Town of Sullivan's Island	SC		\$3.00	\$3.00	\$3.00	\$3.00	\$6.00	\$6.00
Town of Summerville	SC						\$4.00	\$4.00
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

Average Monthly Utility Rate Comparison by State

	AL	FL	GA	KY	MS	NC	SC	TN
Rate	\$0.62	\$4.78	\$4.07	\$3.86	NR	\$4.24	\$5.36	\$3.87
ERU	N/A	3,707	2,774	2,700	NR	2,483	5,672	3,279

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

- Combined on Monthly Bill for Other Utility Services - 48%
- Separate Mailing - 5%
- Placed on Annual Property Tax Bill - 37%
- Other* - 10%



*Responses include: Both A and B, County places user fee on tax bill and sends the user fee revenues to the city.

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

	2019	2017
Average	\$4,167,593	\$4,107,076
High	\$71,100,000	\$62,700,000
Low	\$32,000	\$6,204

Utility Fees and Rates

Total Annual Revenue generated by utility fee - Sorted by Jurisdiction

Jurisdiction	State	2019
Barrow County	GA	\$570,000
Beaufort County	SC	\$5,213,270
Berkeley County	SC	\$4,400,000
Charleston County	SC	\$2,800,000
City of Anderson	SC	\$1,170,000
City of Archdale	NC	\$480,000
City of Asheville	NC	\$6,276,113
City of Athens/Clarke County	GA	\$4,000,000
City of Auburn	GA	\$103,000
City of Belmont	NC	\$470,088
City of Birmingham	AL	\$1,500,000
City of Bristol	TN	\$595,831
City of Brunswick	GA	\$821,461
City of Charleston	SC	\$5,600,000
City of Charlotte	NC	\$71,100,000
City of Chattanooga	TN	\$18,990,070
City of Clarkston	GA	\$250,000
City of Cleveland	TN	\$1,500,000
City of Concord	NC	\$4,969,860
City of Conway	SC	\$950,900
City of Covington	GA	\$725,000
City of Decatur	GA	\$1,100,000
City of Dunwoody	GA	\$2,131,151
City of East Point	GA	\$2,400,000
City of Fairburn	GA	\$450,000
City of Fayetteville	GA	\$780,000
City of Folly Beach	SC	\$181,000
City of Garden City	GA	\$930,000
City of Gastonia	NC	\$2,500,000
City of Goodlettsville	TN	\$1,200,000
City of Greensboro	NC	\$9,789,420
City of Greenville	NC	\$6,100,000
City of Greenville	SC	\$6,115,373
City of Griffin	GA	\$2,750,000
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	\$342,909
City of Isle of Palms	SC	\$273,000

Utility Fees and Rates

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

Jurisdiction	State	2019
City of La Vergne	TN	\$1,041,000
City of Lawrenceville	GA	\$1,187,767
City of Loganville	GA	\$510,000
City of Maryville	TN	\$1,200,000
City of Millersville	TN	\$198,984
City of Monroe	NC	\$2,064,300
City of Murfreesboro	TN	\$2,950,000
City of Murray	KY	\$232,000
City of Myrtle Beach	SC	\$2,600,000
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	\$2,920,000
City of Peachtree City	GA	\$2,500,000
City of Peachtree Corners	GA	\$2,800,000
City of Perry	GA	\$417,300
City of Powder Springs	GA	\$364,146
City of Raleigh	NC	\$22,375,430
City of Richland	MS	\$40,000
City of Rocky Mount	NC	\$4,014,000
City of Roswell	GA	\$3,100,000
City of Snellville	GA	\$811,502
City of Stuart	FL	\$758,000
City of Sugar Hill	GA	\$660,000
City of Sumter	SC	\$798,000
City of Thomasville	NC	\$134,000
City of Union City	TN	N/A
City of Valdosta	GA	\$1,740,000
City of Washington	NC	\$845,000
City of Wilmington	NC	\$7,379,168
City of Woodstock	GA	\$1,077,215
Clayton County Water Authority	GA	\$9,800,000
Columbia County	GA	\$4,724,885
Davidson County/City of Nashville	TN	\$35,400,000
DeKalb County	GA	\$14,600,000
Dorchester County	SC	\$2,330,422
Douglasville-Douglas County Water	GA	\$4,800,000
Georgetown County	SC	\$1,019,059
Greenville County	SC	\$8,000,000

Utility Fees and Rates

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

Jurisdiction	State	2019
Gwinnett County	GA	\$29,777,568
Hamilton County	TN	\$774,900
Henry County	GA	\$7,281,416
Horry County	SC	\$7,590,000
Jefferson County	AL	\$192,663
Lancaster County	SC	\$1,200,000
Lexington-Fayette County	KY	\$14,000,000
Mecklenburg County	NC	\$850,000
Richland County	SC	\$3,300,000
Rockdale County	GA	\$1,900,000
Sanitation District #1	KY	\$13,000,000
Spartanburg County	SC	\$900,000
Town of Chapel Hill	NC	\$2,700,000
Town of Fort Mill	SC	\$660,000
Town of Hilton Head Island	SC	\$4,775,000
Town of Hope Mills	NC	\$678,912
Town of James Island	SC	\$305,000
Town of Kernersville	NC	\$1,367,983
Town of Lincolville	SC	\$32,000
Town of Matthews	NC	\$850,000
Town of Morrisville	NC	\$555,000
Town of Mount Pleasant	SC	\$2,700,000
Town of Sullivan's Island	SC	\$95,000
Town of Summerville	SC	\$1,421,267
Warren County	KY	\$1,125,000

Utility Fees and Rates

Comparative Annual Revenues

Jurisdiction	State	2011	2013	2015	2017	2019
Barrow County	GA	480,000	350,000	425,000	425,000	570,000
Beaufort County	SC	7,058,116	8,145,808	3,131,107	5,094,057	5,213,270
Berkeley County	SC					4,400,000
Charleston County	SC	1,100,000	1,100,000		28,000,000	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
City of Archdale	NC	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
City of Athens/Clarke County	GA	3,500,000	3,500,000	3,500,000	3,500,000	4,000,000
City of Auburn	GA				103,000	103,000
City of Austell	GA		370,141	444,348	339,172	
City of Belmont	NC			406,293	406,293	470,088
City of Bessemer City	NC	67,000		67,000		
City of Birmingham	AL			591,455	1,200,000	1,500,000
City of Bristol	TN			600,000	566,863	595,831
City of Brunswick	GA					821,461
City of Burlington	NC	420,000				
City of Charleston	SC	5,600,000	5,600,000	5,600,000	5,600,000	5,600,000
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
City of Clarkston	GA					250,000
City of Cleveland	TN				1,500,000	1,500,000
City of Concord	NC	3,500,000	3,600,000	3,600,000	3,900,000	4,969,860
City of Conway	SC		950,000	950,900		950,900
City of Conyers	GA					
City of Covington	GA	725,000	725,000	725,000	725,000	725,000
City of Decatur	GA	825,000		825,000	1,100,000	1,100,000
City of Doraville	GA	485,000	485,000			
City of Dunwoody	GA		1,800,000	1,800,000	1,920,000	2,131,151
City of Easley	SC	300,000	300,000		300,000	
City of East Point	GA					2,400,000
City of Fairburn	GA	450,000	450,000		450,000	450,000
City of Fayetteville	GA	500,000	500,000		766,000	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		91,000		175,000	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
City of Garden City	GA	940,000	940,000	880,000	880,000	930,000
City of Gastonia	NC				2,500,000	2,500,000
City of Germantown	TN				1,000,000	
City of Goodlettsville	TN		300,000	300,000	600,000	1,200,000
City of Greensboro	NC	9,450,000	9,241,665	10,290,382	9,589,460	9,789,420
City of Greenville	NC					6,100,000
City of Greenville	SC	3,096,468	2,100,000		5,380,493	6,115,373
City of Griffin	GA	1,700,000		2,200,000	2,200,000	2,750,000
City of Grovetown	GA					240,000
City of Hendersonville	TN					2,200,000
City of High Point	NC		2,400,000	2,693,380	2,693,380	2,693,380
City of Holly Springs	GA		319,000	327,000	342,909	342,909
City of Hopkinsville	KY	1,100,000	1,100,000			
City of Isle of Palms	SC		185,000		375,000	273,000
City of La Vergne	TN					1,041,000
City of Lawrenceville	GA	684,000	684,000	684,000	684,000	1,187,767
City of Loganville	GA	400,000				510,000
City of Louisville/Jefferson Cnty Metro	KY					1,200,000
City of Maryville	TN	1,200,000	1,200,000	1,200,000	1,200,000	
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
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
City of Murray	KY				232,000	232,000
City of Myrtle Beach	SC	1,500,000				2,600,000
City of Norcross	GA			750,000	970,500	1,038,747
City of North Augusta	SC	562,021	577,236	738,045	758,715	770,000
City of North Charleston	SC	3,300,000	3,300,000	3,767,000	4,095,088	5,200,000
City of North Myrtle Beach	SC	1,975,000	2,009,474	2,072,371	2,834,000	2,920,000
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
City of Peachtree Corners	GA					2,800,000
City of Perry	GA					417,300
City of Powder Springs	GA		324,123	352,579	454,054	364,146
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
City of Richland	MS					40,000

Utility Fees and Rates

Comparative Annual Revenues (continued)

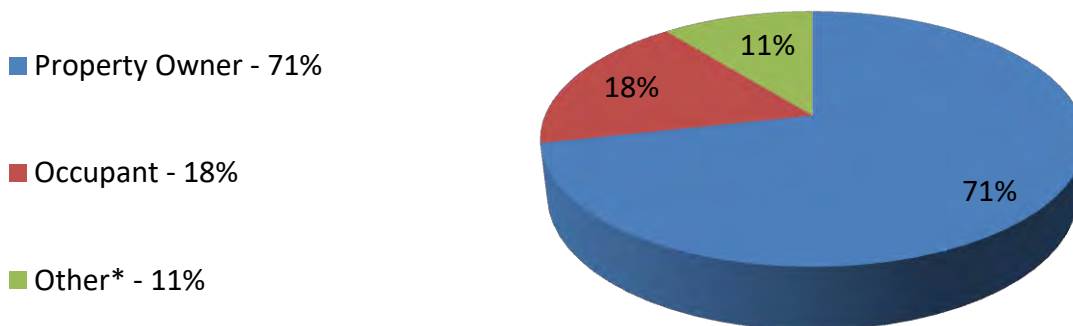
Jurisdiction	State	2011	2013	2015	2017	2019
City of Rocky Mount	NC	3,200,000	3,500,000		4,014,000	4,014,000
City of Roswell	GA					3,100,000
City of Salisbury	NC				115,000	
City of Snellville	GA		541,088	535,775	820,068	811,502
City of Stuart	FL	540,000	540,000	680,473	758,000	758,000
City of Sugar Hill	GA					660,000
City of Sumter	SC		505,000	505,000	505,000	798,000
City of Thomasville	NC				134,000	134,000
City of Valdosta	GA	1,200,000	1,200,000	1,200,000	1,700,000	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
City of Wilmington	NC	7,020,000	8,441,379	6,982,279	7,379,168	7,379,168
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
Clayton County Water Authority	GA	8,700,000		9,200,000	9,200,000	9,800,000
Columbia County	GA	1,300,000	1,715,649	2,500,000	3,900,000	4,724,885
Davidson County/City of Nashville	TN	14,000,000	14,000,000	14,000,000	14,443,200	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
Douglasville/Douglas County	GA	4,500,000				4,800,000
Georgetown County	SC	1,672,736		1,672,736	1,672,736	1,019,059
Greenville County	SC	7,000,000	8,200,000	8,000,000	8,000,000	8,000,000
Gwinnett County	GA	31,373,817	31,420,057	30,862,028	31,278,994	29,777,568
Hamilton County	TN	588,881	626,937	655,266	774,900	774,900
Henry County	GA	2,600,000				7,281,416
Horry County	SC	4,750,000		4,800,000	4,900,000	7,590,000
Jefferson County	AL		5,000,000	420,000	180,000	192,663
Lancaster County	SC					1,200,000
Lexington-Fayette County	KY		11,500,000	13,500,000	13,500,000	14,000,000
Mecklenburg County	NC	800,000	800,000	850,000	850,000	850,000
Richland County	SC					3,300,000
Rockdale County	GA		1,700,000	1,800,000	1,800,000	1,900,000
Sanitation District #1	KY	10,800,000	10,800,000	12,740,000	12,740,000	13,000,000
Spartanburg County	SC				900,000	900,000
Town of Bluffton	SC			115,000		

Utility Fees and Rates

Comparative Annual Revenues (continued)

Jurisdiction	State	2011	2013	2015	2017	2019
Town of Chapel Hill	NC	1,770,000		2,190,778	2,187,870	2,700,000
Town of Fort Mill	SC					660,000
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
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
Town of Kernersville	NC	752,743			1,284,579	1,367,983
Town of Landis	NC	94,000				
Town of Lincolnton	SC		14,750		34,000	32,000
Town of Matthews	NC	562,000	590,000	590,000	824,000	850,000
Town of Morrisville	NC		440,000	501,000	555,000	555,000
Town of Mount Pleasant	SC		1,100,000	2,100,000	2,650,000	2,700,000
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
Town of Summerville	SC				1,104,993	1,421,267
Town of Wrightsville Beach	NC	137,000	137,000	137,000		
Warren County	KY		900,000	900,000	900,000	1,125,000
Year		2011	2013	2015	2017	2019
Total		\$277,834,165	\$297,330,728	\$307,680,889	\$377,850,985	\$425,094,460
Average		\$3,805,947	\$3,964,410	\$4,333,534	\$4,107,076	\$4,167,593

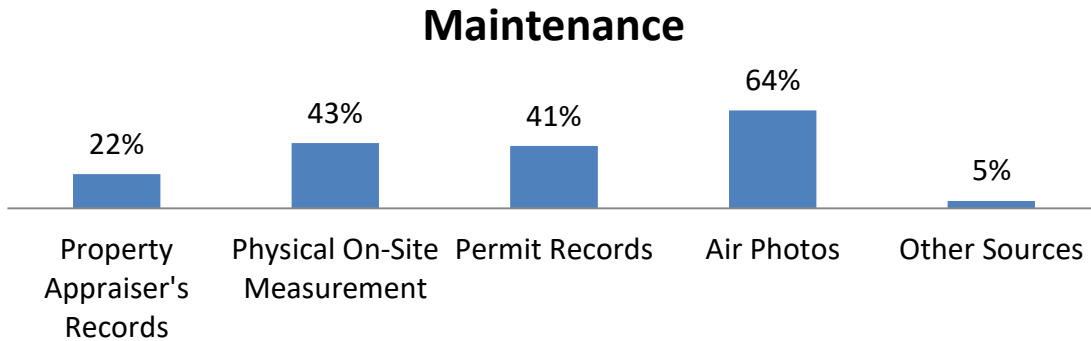
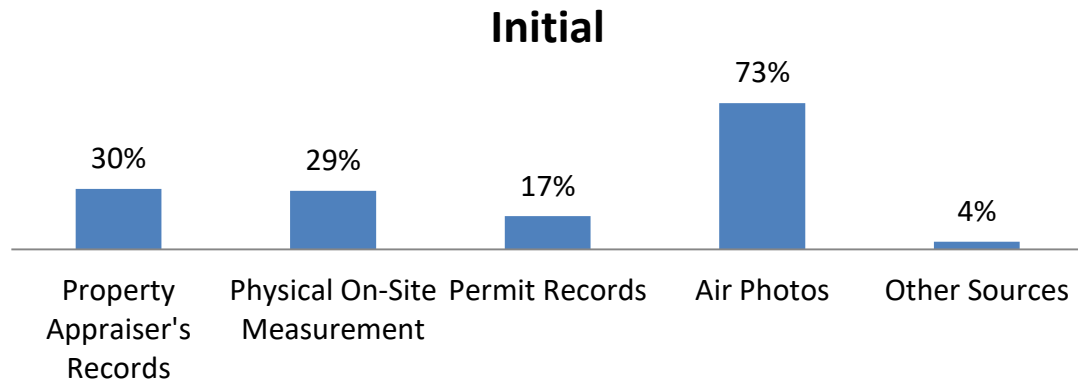
2-8. Who is responsible for paying your utility fee?



*Responses include: Both, Utility Customer, Depends on Attached Utility Meter Setup, Property Owners can assign ERUs to Occupants.

Utility Fees and Rates

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?



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

Streets/Highways	83%
Railroad Rights-of-Way	69%
Undeveloped Land (agricultural)	63%
Undeveloped Land (non-agricultural)	64%
Public Parks	21%
Other (please specify)	21%
Properties that do not Discharge Runoff to Central Drainage System	16%
Airport Runways and Taxiways	16%
Government	13%
Waterfront	4%
None	2%

Utility Fees and Rates

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	5	62	6	6
State	7	63	5	7
County	4	72	3	5
City	6	72	3	7
School District	8	77	3	1
Special District	0	51	3	4

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

Average reduction = 21.7 %

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?

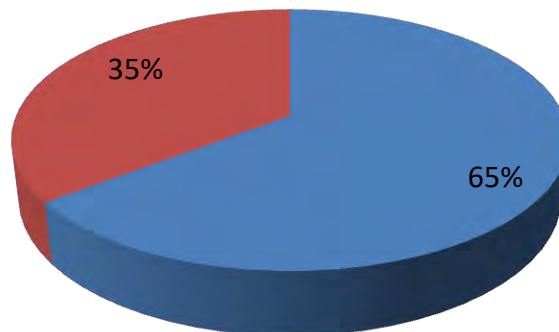
Reported range of possible reductions is 0% to 100%

Average percent reduction is 24%.

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

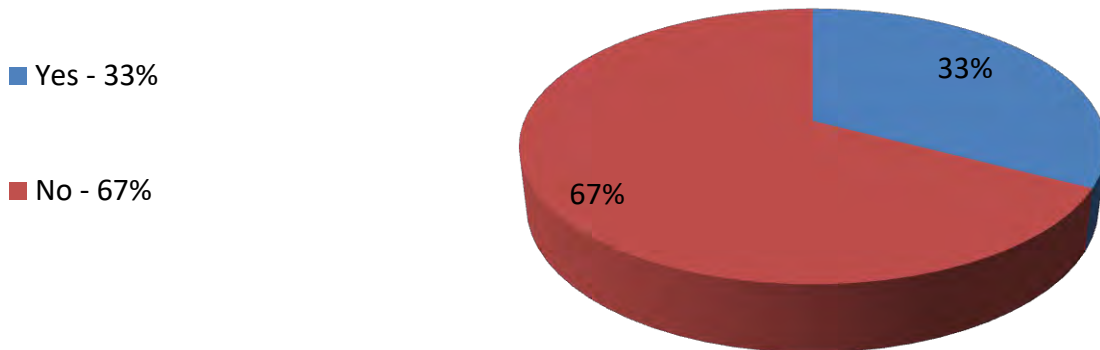
■ Yes - 65%

■ No - 35%

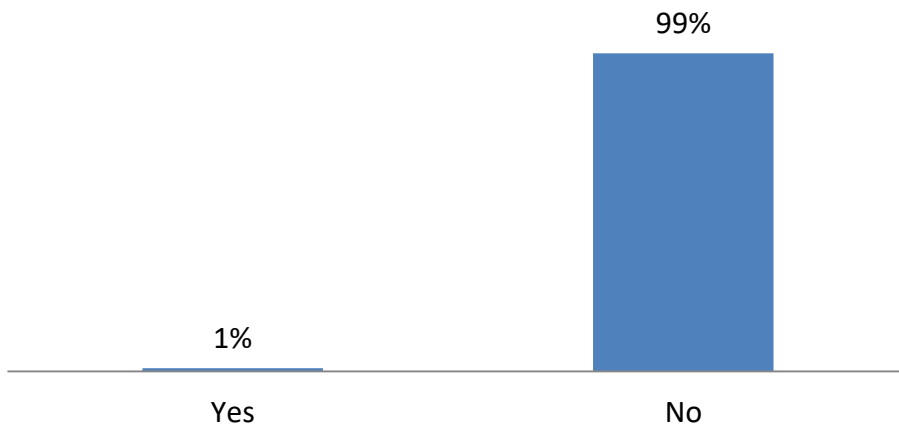


Utility Fees and Rates

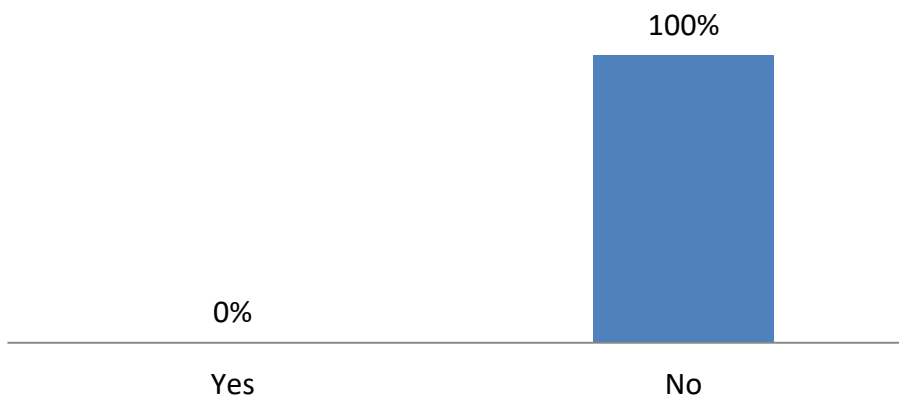
2-16. Are user fees for single-family detached dwellings the same as for individual units in multi-family (e.g. apartments, condominiums)?



2-17. Do user fees vary by watershed?

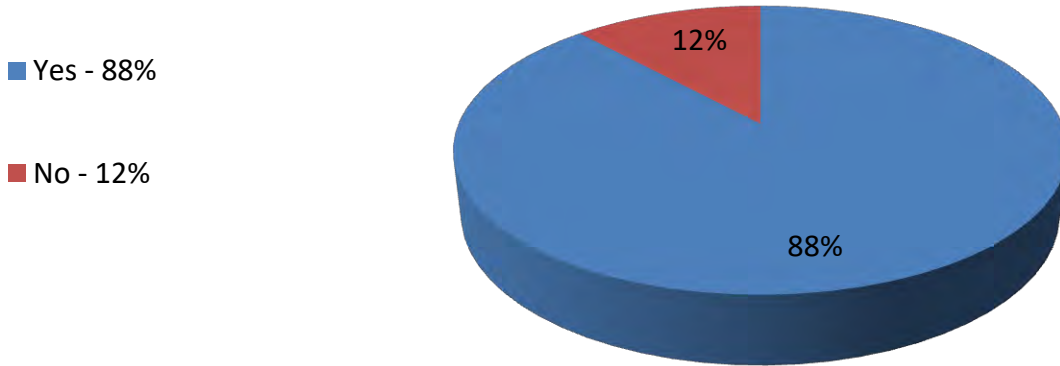


2-18. Are different fees charged within the “zone-of-benefit” of specific capital projects to account for differences in capital costs?

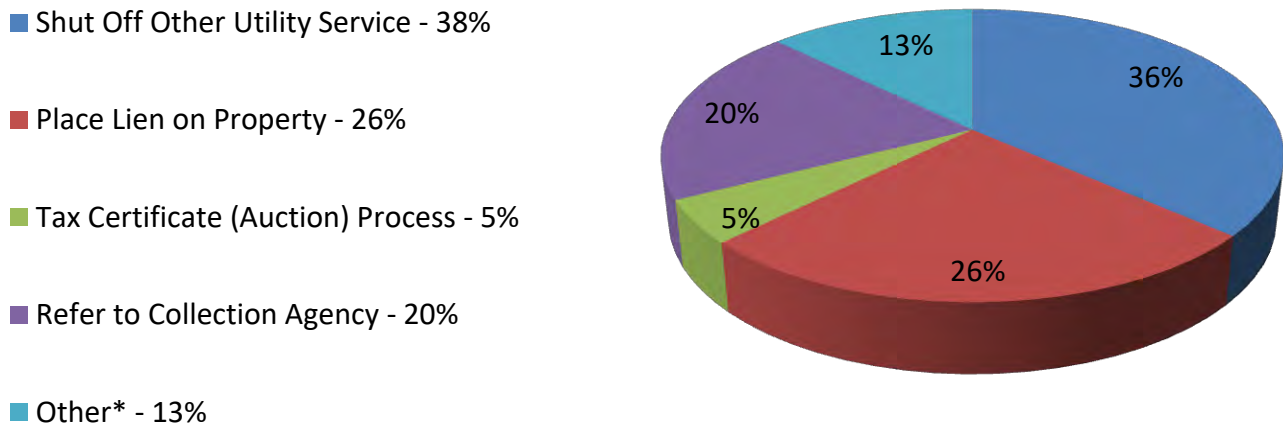


Utility Fees and Rates

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

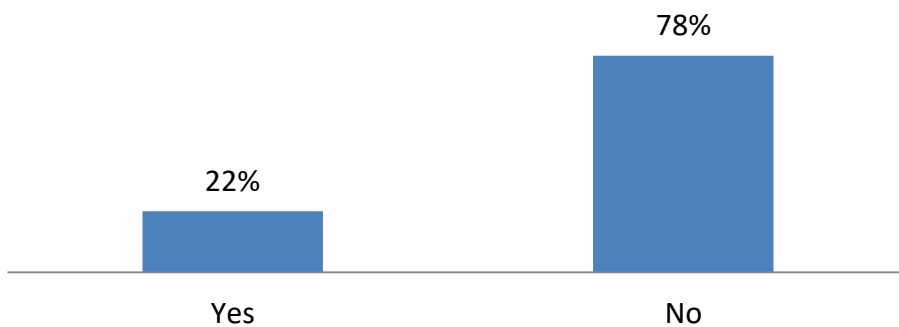


2-20. How is payment of the utility charge enforced?



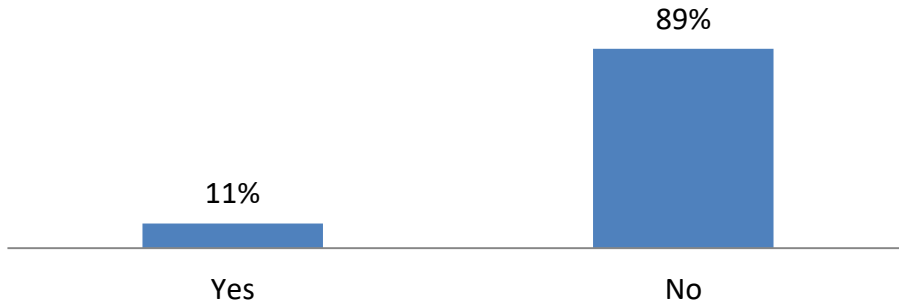
*Responses include: Debt setoff program to garnish state tax refunds, Court Action, County Delinquent Dept., Withhold Business License, Both A and B, Handled Through Tax Office, Take From Deposit.

2-21. Were interim rates established during the formation of the utility prior to adoption of a permanent rate format?

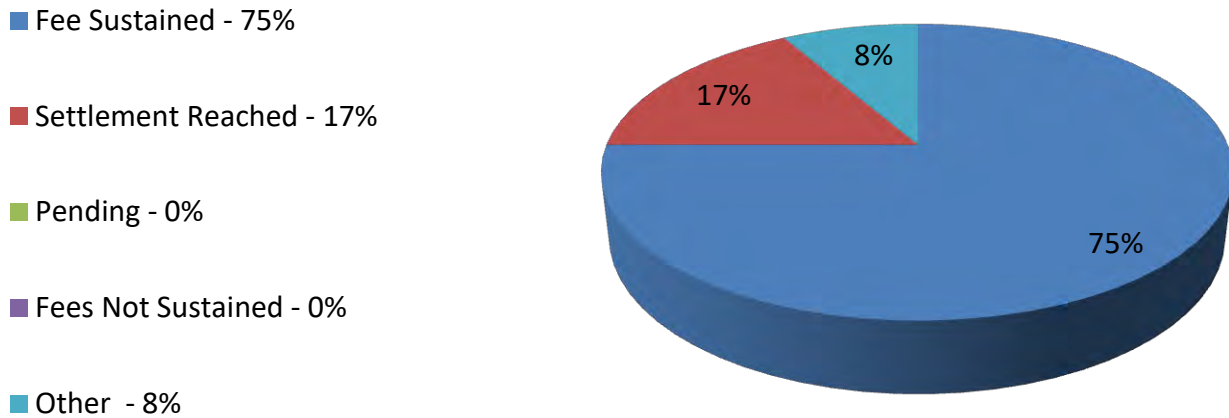


Utility Fees and Rates

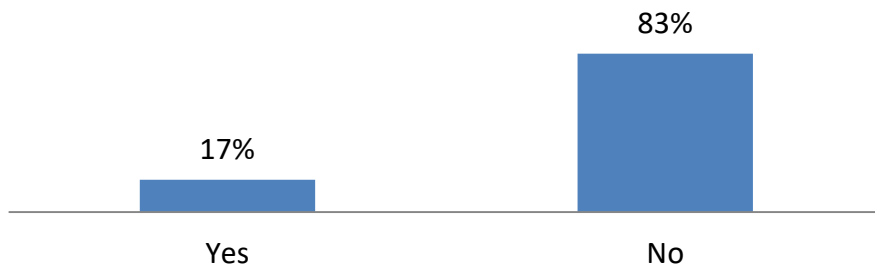
2-22. Have your stormwater fees or assessments faced a legal challenge in court?



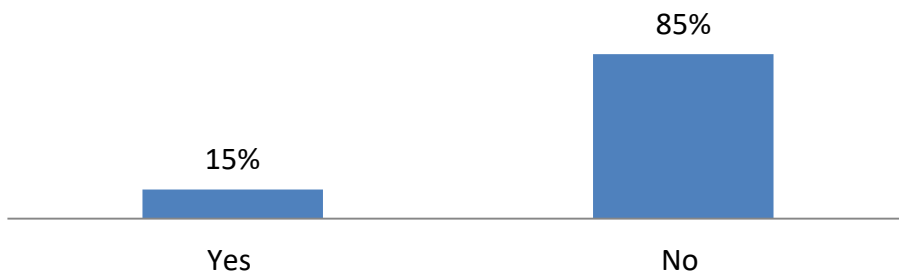
2-23. If your charges have been challenged in court, what was the outcome?



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?



If not, are you actively considering such modifications?



Stormwater Program



How We're Different

McGill serves public and private clients throughout the Southeast. The range and depth of McGill's expertise includes a wide spectrum of engineering services, land planning and recreation, as well as financial and management consulting services.

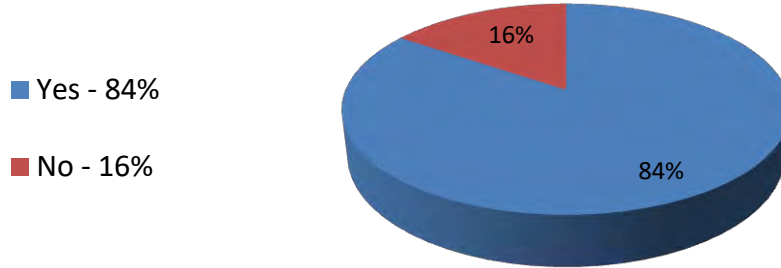
Our foundation is built on creating comprehensive solutions in a personal way. Collaboration is the key to our success and clients are an integral part of every project at McGill. By building lasting relationships with communities, we understand our clients' visions and project goals. Our dedicated project team focuses on delivering a customized solution for each unique community.



Shaping
Communities
Together

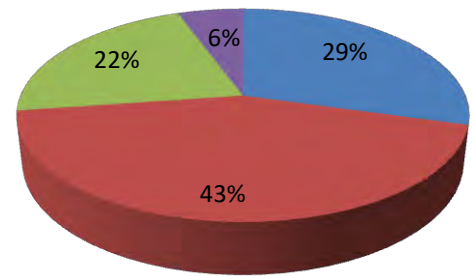
Stormwater Program

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?

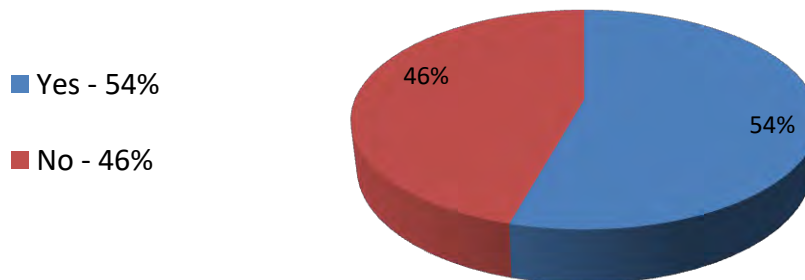


3-2. Does your jurisdiction charge a fee for:

- Stormwater Management Permits - 29%
- Stormwater Management Site Plan Review - 43%
- Stormwater Inspection During Construction - 22%
- Stormwater Inspection After Construction (O&M) - 6%

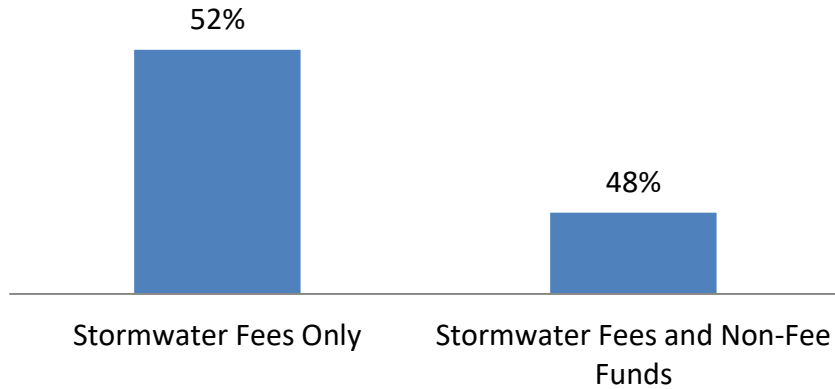


3-3. If your jurisdiction does charge fees for any of the services in question 3-2, does your stormwater utility receive some (or all) of these revenues?



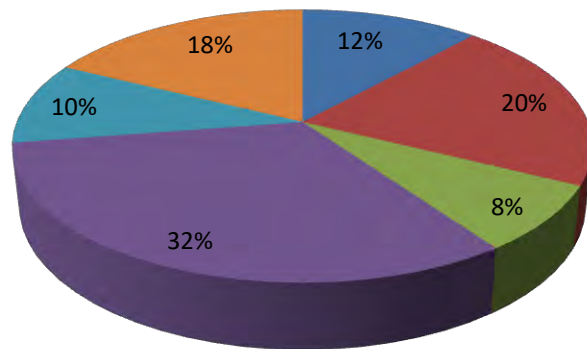
Stormwater Program

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?

- Ad Valorem - 12%
- Sales Tax - 20%
- Gas Tax - 8%
- Grants - 32%
- Loans - 10%
- Other* - 18%



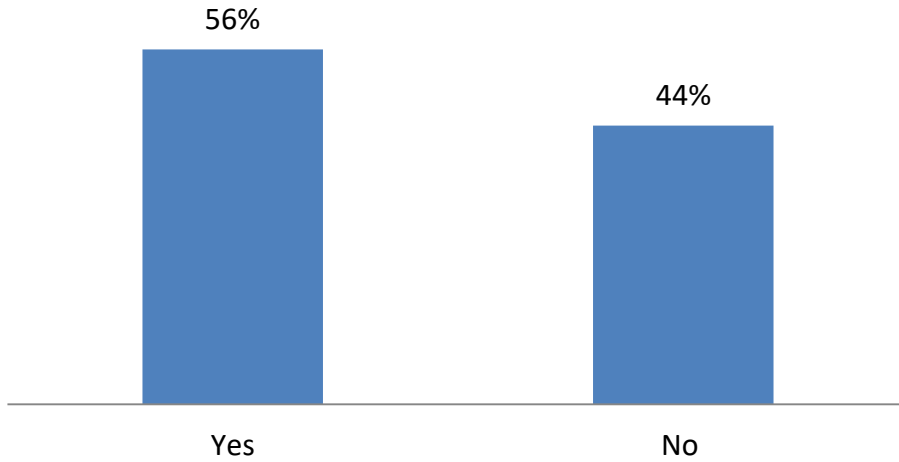
* Responses include: Stormwater Fees, SPLOST, Water and Sewer Funds, Bonds, General Fund, State and Federal Funds, The Department does not collect non-fee funds

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

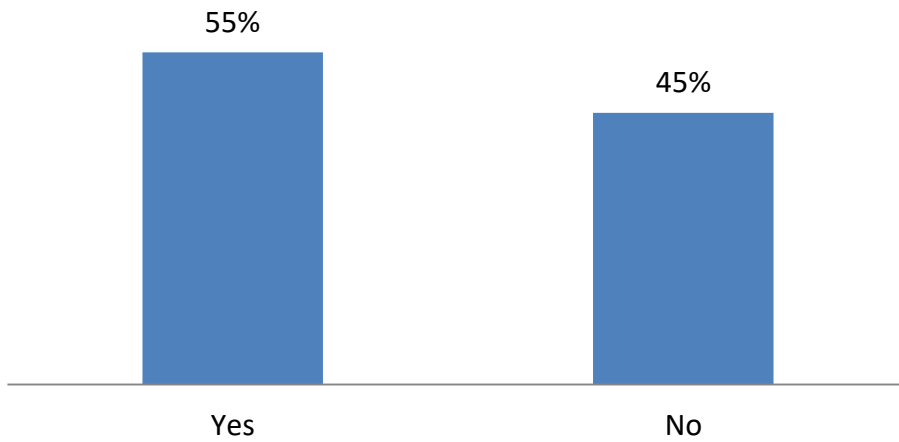
	Estimated Need (Total)	Average Need	# of Respondents
Next 5 Years	\$4,722,500,506.00	\$54,912,796.58	86
Next 10 Years	\$4,998,803,755.00	\$64,919,529.29	77
Next 20 Years	\$9,699,872,740.00	\$144,774,220.00	67

Stormwater Program

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

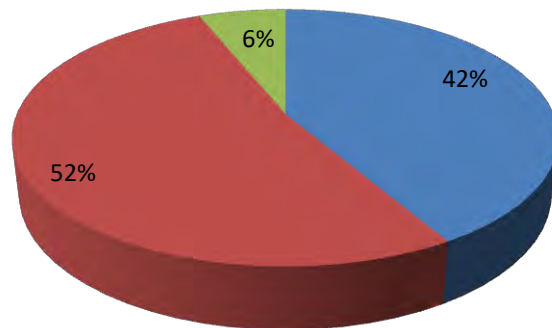


3-8. If your jurisdiction does not have an adopted stormwater master plan (i.e. you answered “No” to question 3-7) is the establishment of such a plan under active consideration?



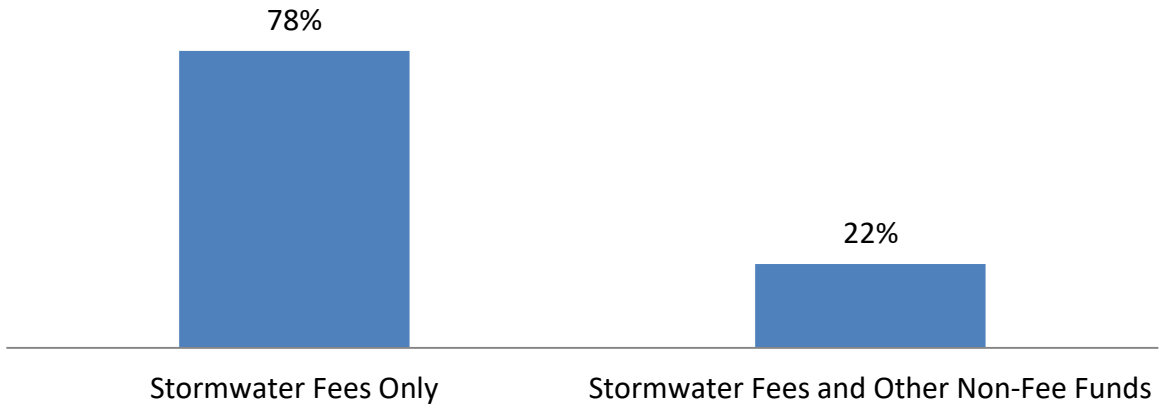
3-9. If your jurisdiction does have an adopted stormwater master plan (i.e. you answered “Yes” to question 3-7), does your jurisdiction make an effort to coordinate your local land use plans with your stormwater Master Plan and NPDES Program concepts?

- Strong Effort - 42%
- Moderate Effort - 56%
- No Effort - 6%



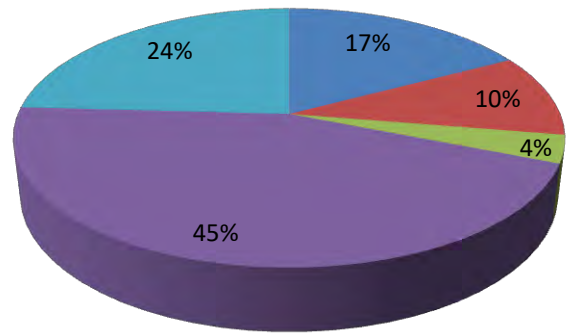
Stormwater Program

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?

- Ad Valorem - 17%
- Sales Tax - 10%
- Gas Tax - 4%
- General Fund (i.e. mixture of funding sources) - 45%
- Other - 24%

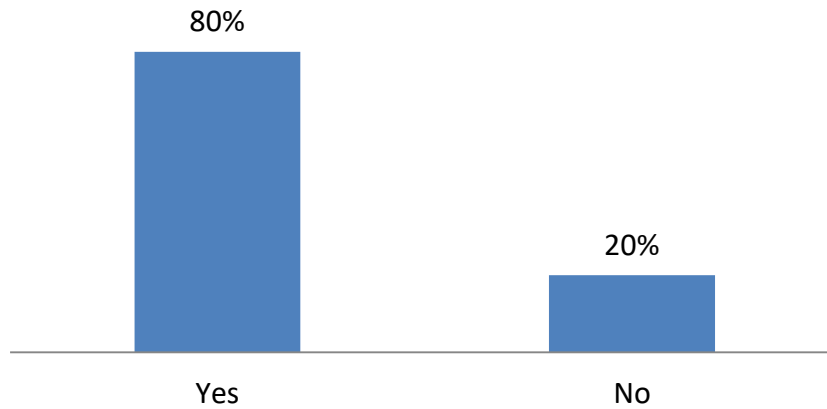


3-12. What is the current number of full-time equivalent employees funded with stormwater fee revenue?

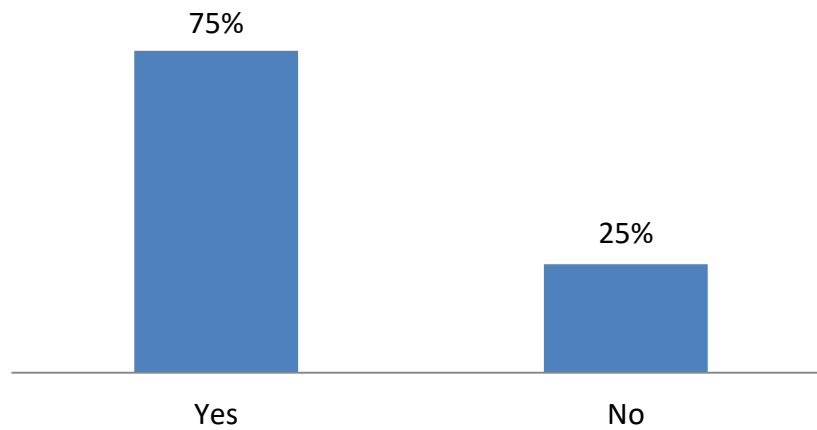
	2019	2017
Average:	20	19.8
High:	153	131
Low:	0	0

Stormwater Program

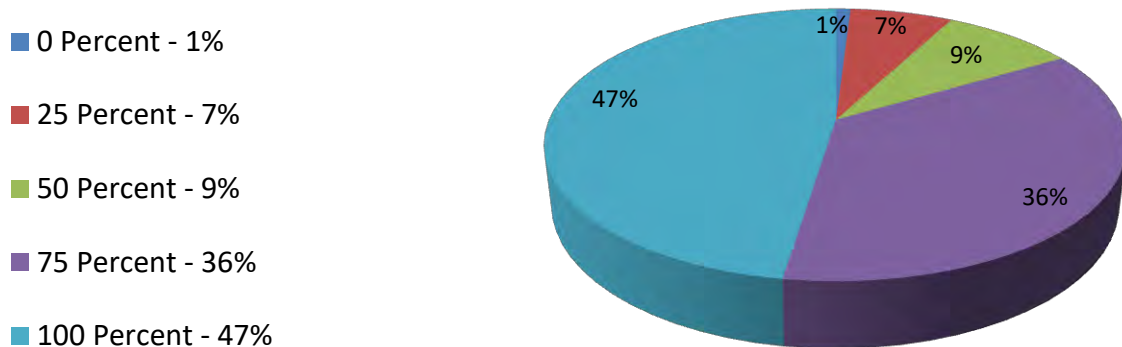
3-13. Does your jurisdiction monitor improvements in water quality?



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

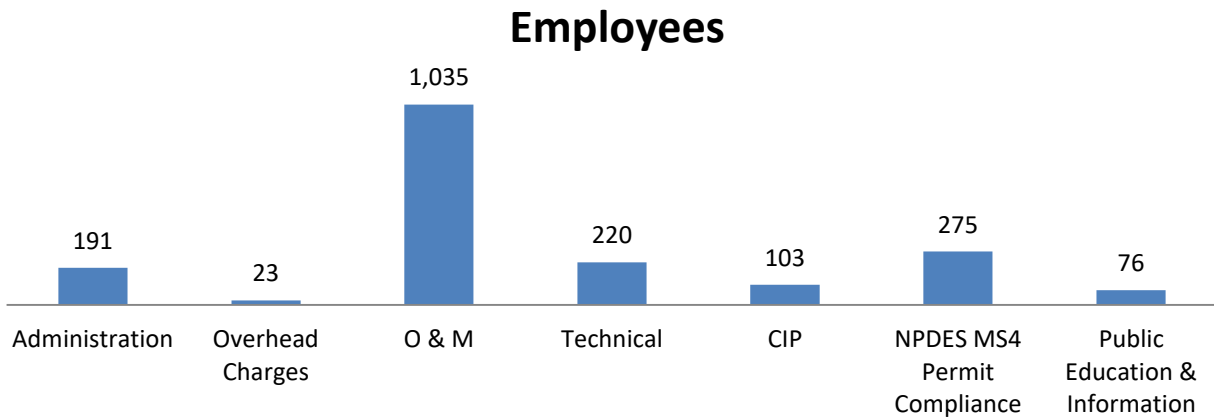
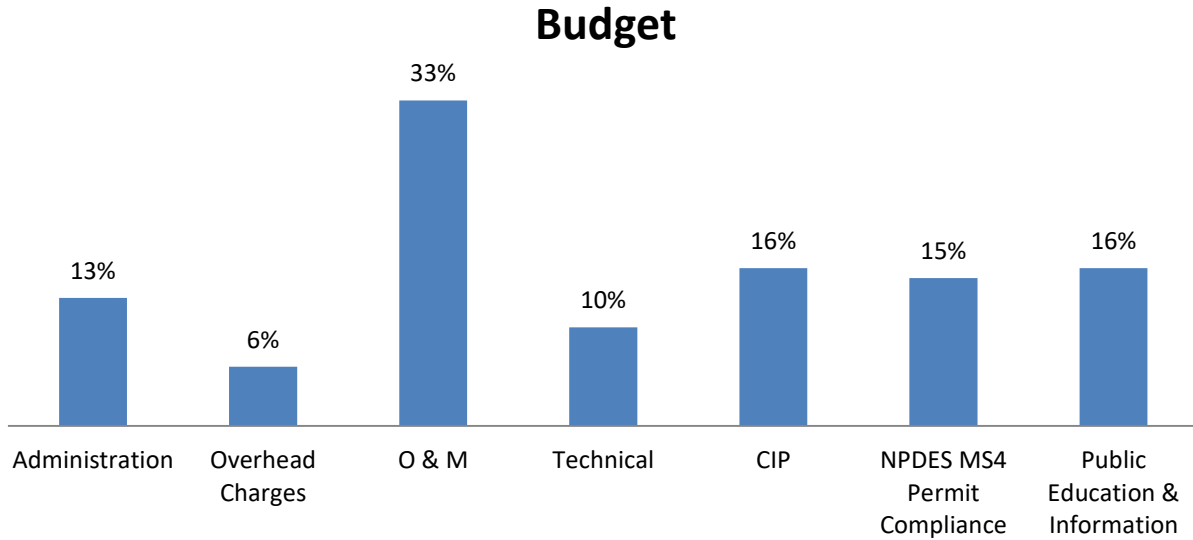


3-15. What percentage of your jurisdiction's stormwater facilities are mapped and inventoried?

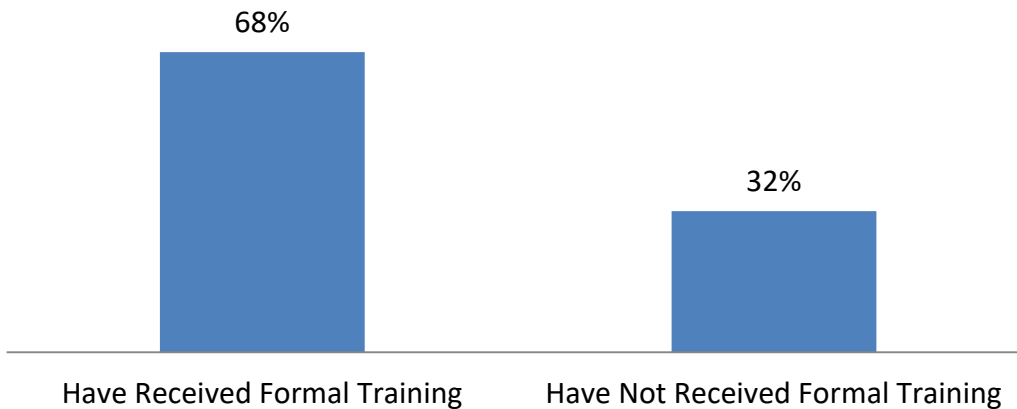


Stormwater Program

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



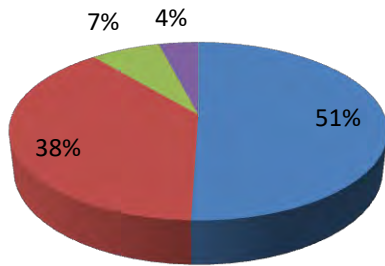
3-17. For Operations and Maintenance (field) personnel, how many have received formal training or certification.



Stormwater Program

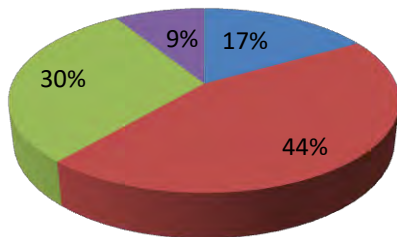
3-18. Is the stormwater fee revenue sufficient to address the following program areas?

Administration



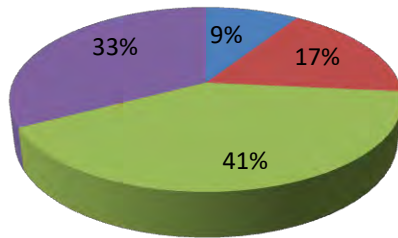
- Adequate to Meet All Needs - 51%
- Adequate to Meet Most Needs - 38%
- Adequate to Meet Most Urgent Needs - 7%
- Not Adequate to Meet Urgent Needs - 4%

O & M



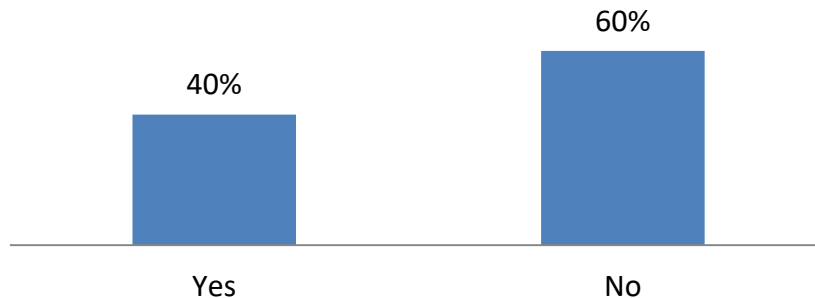
- Adequate to Meet All Needs - 17%
- Adequate to Meet Most Needs - 44%
- Adequate to Meet Most Urgent Needs - 30%
- Not Adequate to Meet Urgent Needs - 9%

C.I.P.



- Adequate to Meet All Needs - 9%
- Adequate to Meet Most Needs - 17%
- Adequate to Meet Most Urgent Needs - 41%
- Not Adequate to Meet Urgent Needs - 33%

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



Public Information Effort

THE leading national provider of post-construction stormwater management services in the South and beyond for nearly 20 years.

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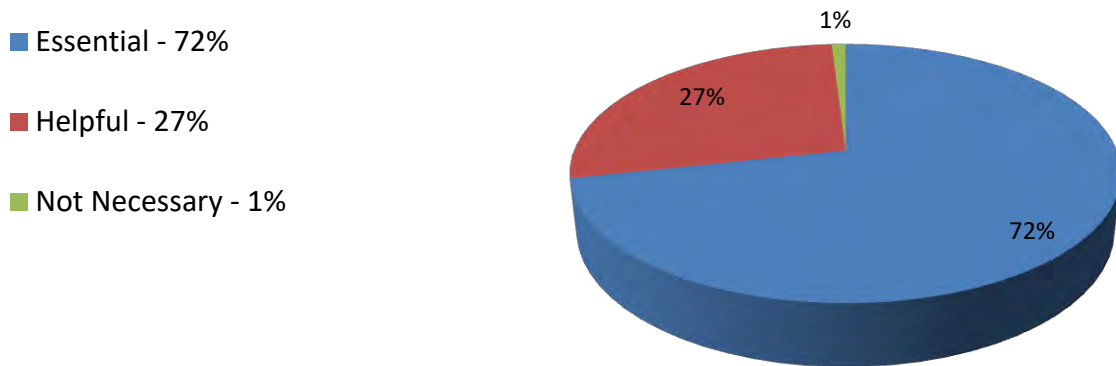


rrstormwater.com
info@rrstormwater.com
855.980.0534

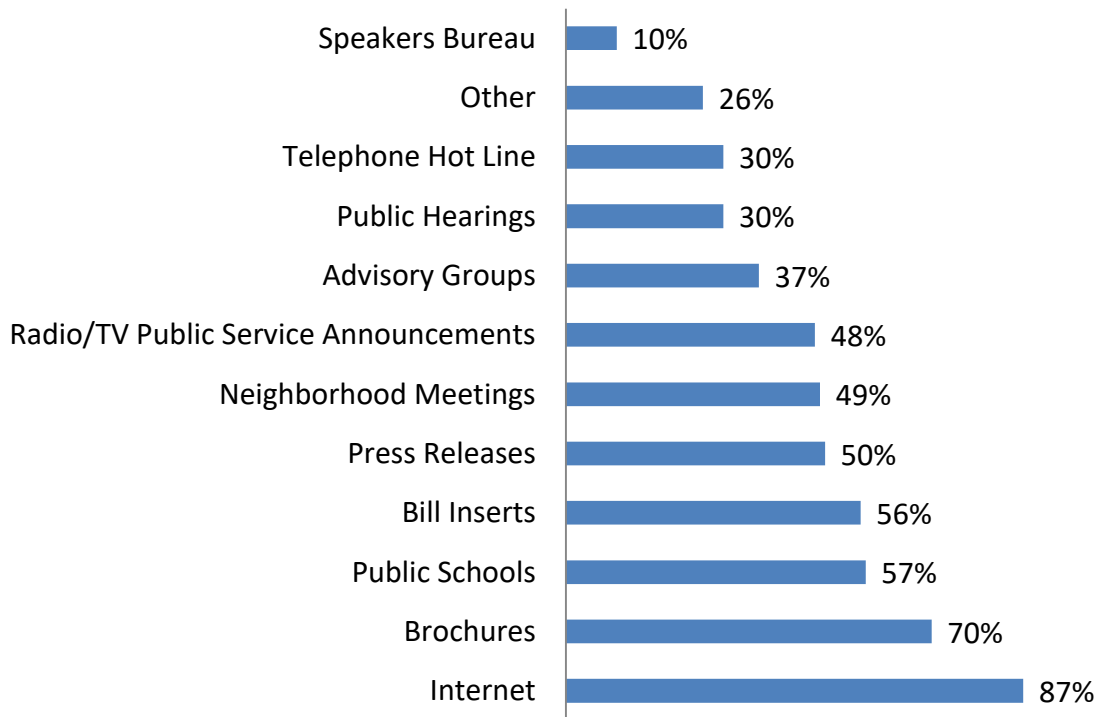


Public Information Effort

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?



Respondent List

Respondent List

ALABAMA

City of Birmingham

Josh Yates
Stormwater Administrator
710 N 20th Street
Birmingham, AL 35203

Jefferson County

Mandy Elledge
Stormwater Program Manager
716 Richard Arrington Jr. Blvd, Rm B200
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Garrow Alberson
Director of Engineering and Public Works
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City of Clarkston

Rodney Beck
Director of Public Works
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Clarkston, GA 30021

City of Covington

Lee Harvey
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Covington, GA 30015

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Respondent List

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Fayetteville, GA 30214

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Brant Keller
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Norcross, GA 30071

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Gaye Johnson
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Engineering Manager
12453 Hwy 92
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Environmental Services Manager
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Douglasville-Douglas County

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Douglasville, GA 30133

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Ronald Burckhalter
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McDonough, GA 30253

KENTUCKY

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Environmental Compliance Manager
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Clayton County Water Authority

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Manager, Stormwater Utility
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Morrow, GA 30260

DeKalb County

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727 Camp Road
Decatur, GA 30032

Gwinnett County

Steve Leo
Director, Permitting & Regulatory Services Div.
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Lawrenceville, GA 30045

Rockdale County

Todd Cosby
Director, Dept. of Stormwater Management
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Conyers, GA 30012

Lexington-Fayette County

Jennifer Carey
MS4 / Water Quality Section Manager
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Warren County

Nikki Koller
Assistant Public Works Director
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Bowling Green, KY 42101

Respondent List

MISSISSIPPI

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Harold Johnson
Building Official
380 Scarbrough Street
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City of Belmont

Chad Waldrup
Stormwater Coordinator
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Jeff Corley
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Division Manager of Field Operations
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Gastonia, NC 28052

City of Greenville

Lisa Ann Kirby
Senior Engineer
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TENNESSEE

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Thank you for your participation in the
2019 Southeast Stormwater Utility Report.

