

2016 Stormwater Utility Report



FSA

Florida Stormwater Association



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The Florida Stormwater Association

Leadership in Stormwater Management and Utilities

FSA was organized in 1993 to assist professionals in the public and private sectors as they confront the problems associated with stormwater management, permitting and finance. FSA provides three basic services to its members:

- ◆ Training and Education – The Association conducts two statewide conferences, two webinars and over 20 training events each year. FSA's Training Center was created in response to the need for up-to-date, high quality training courses for stormwater personnel in *your* area to save travel expenses. All classes are taught by qualified trainers and fulfill most of the training requirements of your MS4 permit. Visit the [Training Center](#) for a complete listing of courses.
- ◆ Communications and Information Sharing – The FSA Stormwater Utilities Survey is conducted and distributed every two years. An abbreviated listing of current stormwater rates is updated frequently. FSA's [e-newsletter "FastTracks"](#) is published ten times a year. FSA's website contains previously published editions of the newsletter, a membership directory, communications tools, regulatory information, and access to our manual on Establishing Stormwater Utilities in Florida.
- ◆ Advocacy – The Association is actively represented during the Legislative Session, in front of agencies, and in state and federal courts. We support legislation that is of benefit to stormwater utilities and local governments in the areas of stormwater management and finance. The Association monitors the activities of DEP, EPA, and other state and federal regulatory initiatives, challenges to stormwater utilities, and participates in cases that are of statewide or national importance.

Not a Member?

Please contact us if you would like more information about FSA or membership.



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Introduction

This Report presents the results of the Association's eleventh biennial Stormwater Utilities Survey in Florida. Its purpose is to provide information to both managers and policy-makers in state and local government. Trends in the characteristics of the stormwater programs, utility rates and other practices within local government can now be observed by comparing survey results from 1995 to 2016.

Florida has 67 counties and over 410 cities. Short of surveying *every* city and county, it is difficult to determine exactly how many stormwater utilities exist in the state. FSA's best estimate is that there are now approximately 165 local governments that have established stormwater utilities pursuant to Chapter 403, Florida Statutes, or their own home rule powers. One hundred and twenty four stormwater utilities responded to the 2016 survey questionnaire.

We expect the number of stormwater utilities to continue to increase for several reasons: The Florida Supreme Court has consistently upheld the validity of such fees; there is (generally) more public support for funding programs with user fees as opposed to ad valorem or other general taxes; and, the process of implementing Numeric Nutrient Criteria and the multi-billion dollar Total Maximum Daily Load program in Florida is now beginning to take full effect.

Also, to the extent that recent legislative initiatives limit city/county regulatory authority or reduce the amount of property tax revenues available in the city or county general fund, local governments will be more inclined to consider stormwater user fees or increases therein as a way to fund water quality programs.

As one might expect, service areas dedicated exclusively to the city constituted a significant majority of stormwater utilities in part reflecting the relative ease of attaching a user charge onto an existing billing mechanism. Most stormwater utilities are located within a department of public works and have used impervious area as the basis for calculating the fee.

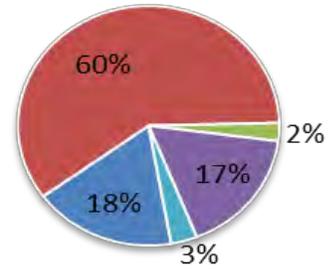
As in earlier surveys, revenue generated from stormwater utilities represents a significant source of funds to address stormwater pollution and flooding problems but it still falls short of being able to address long-term, capital needs. Most jurisdictions report that utility charges are adequate to meet most administrative costs but not for needs associated with capital improvement programs. Whether stormwater utility fees can be raised at a rate to keep pace with the costs of TMDLs and new water quality criteria remains to be seen.

The Association appreciates the assistance of those who completed the survey instrument. We hope that you find this Report to be of value.

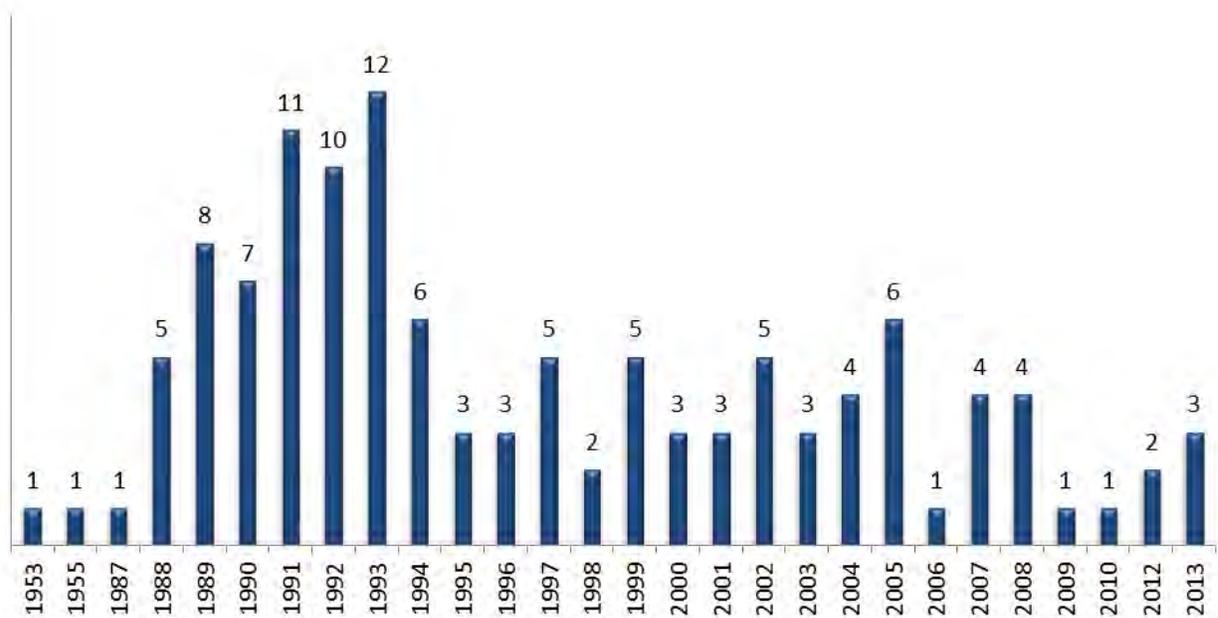
Utility Characteristics

1-1 How is your SWU organized?

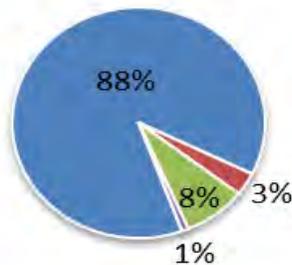
- Separate Department of Local Government (22)
- Combined with Department of Public Works (74)
- Combined with Wastewater Utility (3)
- Combined with other department (21)
- Authority or district separate from local government (4)



1-2 What year was your SWU established?

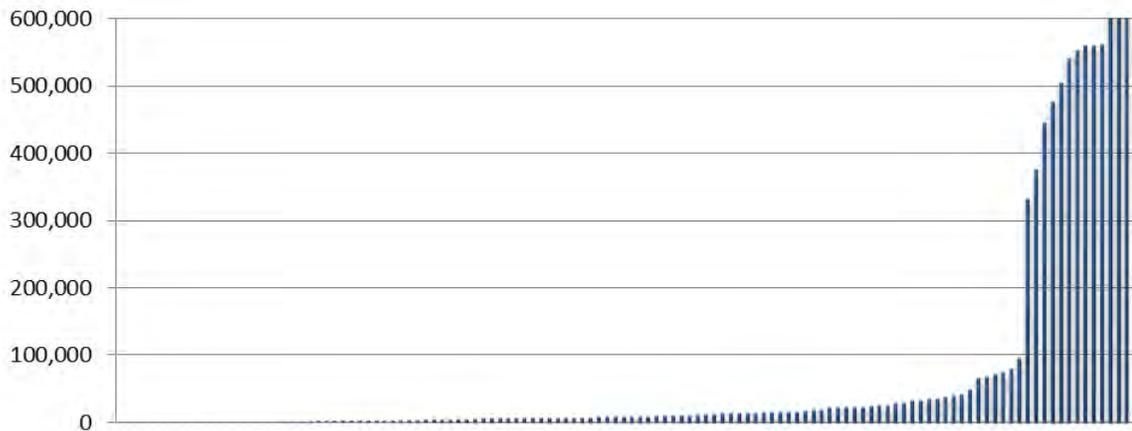


1-3 What jurisdiction does your SWU serve?



- City only (109)
- City and unincorporated county (4)
- Unincorporated county only (10)
- Other (watershed, other defined area) (1)

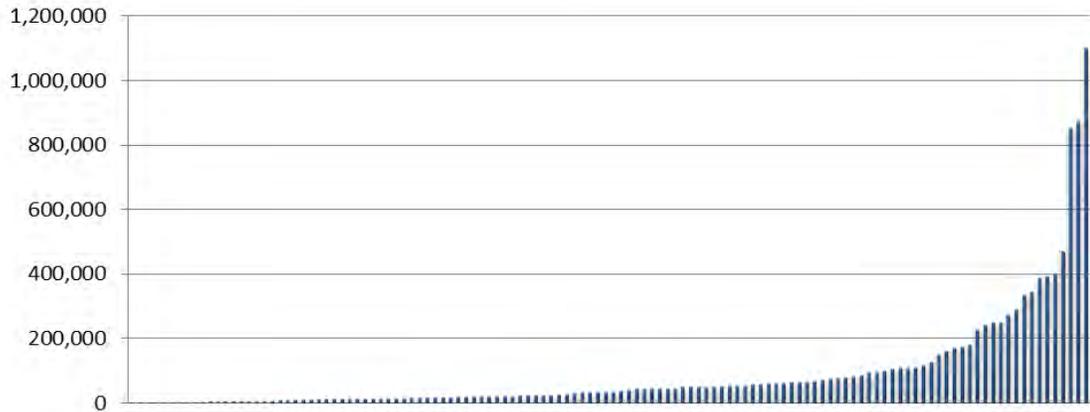
1-4 What is the physical area served by your SWU?



Average area of respondents is 77,492 acres (2014 reported size was 98,250).
The chart above does not include the following counties: Lake, Miami-Dade, and Polk.

Jurisdiction	Acres	Jurisdiction	Acres	Jurisdiction	Acres
Bay County	680	City of Jacksonville	559,552	City of Sebastian	8,804
Brevard County	553,634	City of Jacksonville Beach	6,560	City of South Pasadena	384
Charlotte County	540,672	City of Key Colony Beach	285	City of St. Petersburg	37,920
City of Altamonte Springs	6,180	City of Key West	3,370	City of Stuart	4,200
City of Atlantic Beach	2,074	City of Kissimmee	13,580	City of Sweetwater	1,790
City of Auburndale	12,887	City of Lake Alfred	3,200	City of Tallahassee	66,240
City of Boca Raton	18,500	City of Lake Mary	6,324	City of Tamarac	8,000
City of Boynton Beach	10,600	City of Lakeland	47,894	City of Tampa	75,000
City of Bradenton	10,000	City of Largo	12,103	City of Tavares	7,027
City of Brandeton Beach	640	City of Leesburg	24,787	City of Titusville	19,500
City of Callaway	6,128	City of Longwood	3,000	City of Umatilla	23,040
City of Cape Canaveral	1,216	City of Maitland	4,156	City of West Melbourne	445,618
City of Casselberry	4,797	City of Margate	5,868	City of West Miami	453
City of Clearwater	16,000	City of Melbourne	32,869	City of West Palm Beach	35,424
City of Clermont	9,098	City of Miami	22,754	City of Wilton Manors	2,496
City of Cocoa	8,960	City of Miami Gardens	14,080	City of Winter Haven	25,700
City of Cocoa Beach	3,840	City of Miami Springs	2,240	City of Winter Park	6,509
City of Coconut Creek	7,680	City of Minneola	NR	City of Winter Springs	9,600
City of Cooper City	5,146	City of Naples	8,000	Hillsborough County	561,268
City of Coral Gables	8,960	City of Neptune Beach	1,408	Lake County	609,920
City of Daytona Beach	42,240	City of New Port Richey	2,880	Leon County	375,040
City of DeBary	16,000	City of New Smyrna Beach	25,600	Marion County	560,000
City of Delray Beach	16	City of Niceville	7,400	Miami-Dade County	1,280,000
City of Doral	96,000	City of North Bay Village	536	Pasco County	476,800
City of Dunedin	6,814	City of North Lauderdale	3,256	Pinellas County	67,449
City of Edgewater	14,473	City of North Miami	6,400	Polk County	1,170,000
City of Fernandina Beach	10,240	City of Oakland Park	5,268	Sarasota County	333,000
City of Flagler Beach	2,106	City of Ocala	29,028	Town of Bay Harbor Islands	255
City of Fort Lauderdale	23,222	City of Oldsmar	3,200	Town of Belleair	1,792
City of Fort Meade	2,880	City of Orlando	71,489	Town of Cutler Bay	6,720
City of Fort Myers	32,640	City of Ormond Beach	23,217	Town of Jupiter	14,784
City of Fort Pierce	17,972	City of Palm Bay	68	Town of Malabar	7,200
City of Fort Walton Beach	4,790	City of Palm Coast	34,528	Town of Melbourne Beach	832
City of Fruitland Park	2,600	City of Pensacola	16,000	Town of Redington Shores	235
City of Gainesville	40,723	City of Pinellas Park	10,556	Town of Surfside	28,290
City of Green Cove Springs	4,700	City of Pompano Beach	16,051	Village of Indian Creek	259
City of Gulfport	2,129	City of Port St. Lucie	79,360	Village of Key Biscayne	787
City of Haines City	13,988	City of Riviera Beach	7,000	Village of Pinecrest	5,184
City of Hallandale Beach	2,752	City of Rockledge	7,590	Village of Wellington	22,500
City of Hialeah	12,800	City of Safety Harbor	3,400	Volusia County	504,649
City of Homestead	9,222	City of Sanford	14,402		
City of Indian Harbour Beach	3	City of Satellite Beach	1,563		

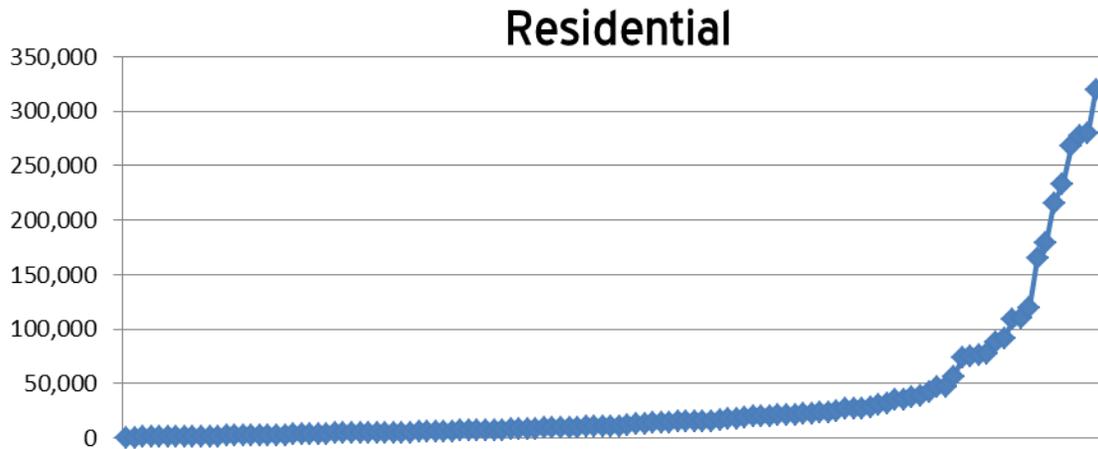
1-5 What is the population served by your SWU?



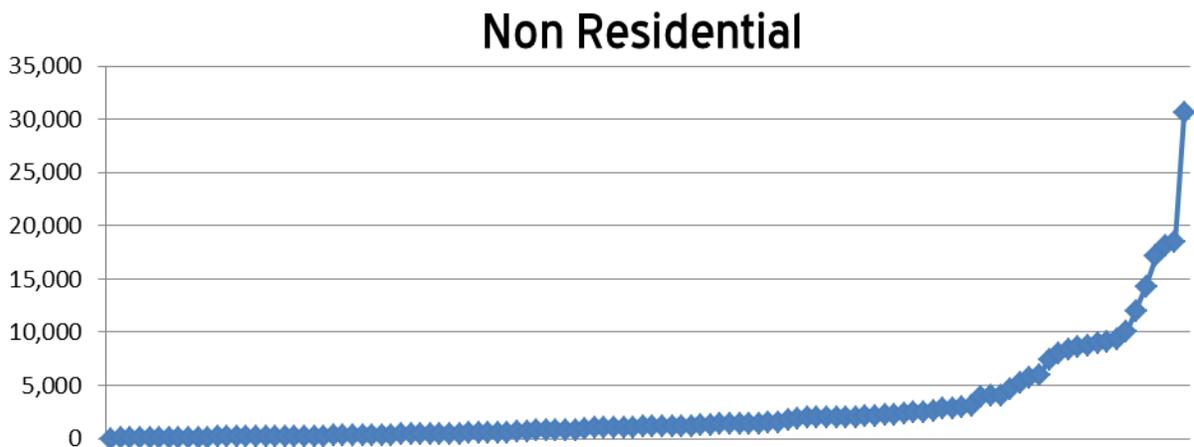
Average population of respondents is 90,836 (2014 reported average population was 116,665).

Jurisdiction	Population	Jurisdiction	Population	Jurisdiction	Population
Bay County	74,517	City of Jacksonville	853,382	City of Sebastian	22,137
Brevard County	226,119	City of Jacksonville Beach	23,279	City of South Pasadena	5,000
Charlotte County	160,511	City of Key Colony Beach	4,500	City of St. Petersburg	250,000
City of Altamonte Springs	42,719	City of Key West	25,027	City of Stuart	16,173
City of Atlantic Beach	14,000	City of Kissimmee	66,722	City of Sweetwater	20,751
City of Auburndale	14,832	City of Lake Alfred	5,120	City of Tallahassee	181,376
City of Boca Raton	86,500	City of Lake Mary	15,905	City of Tamarac	59,655
City of Boynton Beach	95,000	City of Lakeland	98,733	City of Tampa	335,709
City of Bradenton	51,000	City of Largo	82,747	City of Tavares	14,582
City of Brandeton Beach	1,500	City of Leesburg	21,524	City of Titusville	43,940
City of Callaway	14,732	City of Longwood	13,000	City of Umatilla	3,658
City of Cape Canaveral	10,049	City of Maitland	16,337	City of West Melbourne	20,250
City of Casselberry	27,614	City of Margate	54,461	City of West Miami	6,018
City of Clearwater	109,907	City of Melbourne	79,600	City of West Palm Beach	150,000
City of Clermont	32,500	City of Miami	399,457	City of Wilton Manors	11,500
City of Cocoa	18,313	City of Miami Gardens	109,000	City of Winter Haven	35,000
City of Cocoa Beach	11,260	City of Miami Springs	14,231	City of Winter Park	28,967
City of Coconut Creek	54,000	City of Minneola	12,000	City of Winter Springs	34,901
City of Cooper City	33,173	City of Naples	25,000	Hillsborough County	872,600
City of Coral Gables	50,000	City of Neptune Beach	7,200	Lake County	290,435
City of Daytona Beach	62,635	City of New Port Richey	17,385	Leon County	94,650
City of DeBary	20,000	City of New Smyrna Beach	23,500	Marion County	272,607
City of Delray Beach	64,218	City of Niceville	13,587	Miami-Dade County	1,102,955
City of Doral	50,000	City of North Bay Village	8,000	Pasco County	470,391
City of Dunedin	35,690	City of North Lauderdale	44,000	Pinellas County	344,000
City of Edgewater	20,958	City of North Miami	65,000	Polk County	392,700
City of Fernandina Beach	12,000	City of Oakland Park	43,390	Sarasota County	390,500
City of Flagler Beach	4,500	City of Ocala	57,586	Town of Bay Harbor Islands	5,525
City of Fort Lauderdale	170,747	City of Oldsmar	14,000	Town of Belleair	3,887
City of Fort Meade	5,800	City of Orlando	248,731	Town of Cutler Bay	44,321
City of Fort Myers	70,000	City of Ormond Beach	53,000	Town of Jupiter	56,577
City of Fort Pierce	44,227	City of Palm Bay	110,000	Town of Malabar	2,796
City of Fort Walton Beach	20,355	City of Palm Coast	77,068	Town of Melbourne Beach	3,100
City of Fruitland Park	4,000	City of Pensacola	52,000	Town of Redington Shores	2,400
City of Gainesville	127,113	City of Pinellas Park	50,352	Town of Surfside	5,400
City of Green Cove Springs	7,035	City of Pompano Beach	106,105	Village of Indian Creek	86
City of Gulfport	12,899	City of Port St. Lucie	174,000	Village of Key Biscayne	12,924
City of Haines City	20,535	City of Riviera Beach	34,000	Village of Pinecrest	18,496
City of Hallandale Beach	40,000	City of Rockledge	26,165	Village of Wellington	60,000
City of Hialeah	242,000	City of Safety Harbor	17,825	Volusia County	116,720
City of Homestead	65,524	City of Sanford	50,468		
City of Indian Harbour Beach	8,300	City of Satellite Beach	10,848		

1-6 How many accounts does your SWU serve?



Average is 34,559 accounts: 28,320 are single family and 5,358 are multi-family.

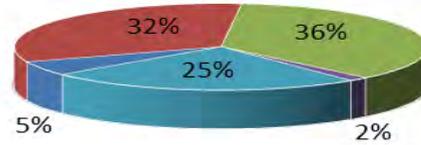


Average is 2,766 accounts: 1,195 business, 575 institutional, 1,596 commercial and 448 industrial.

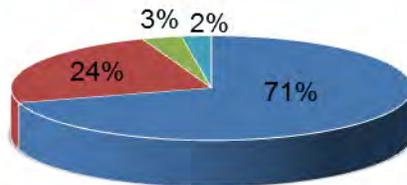
Utility Fees and Rates

2-1 Within which Water Management District is your SWU located?

- NFWWMD (7)
- SFWMD (42)
- SJRWMD (47)
- SRWMD (2)
- SWFWMD (32)



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



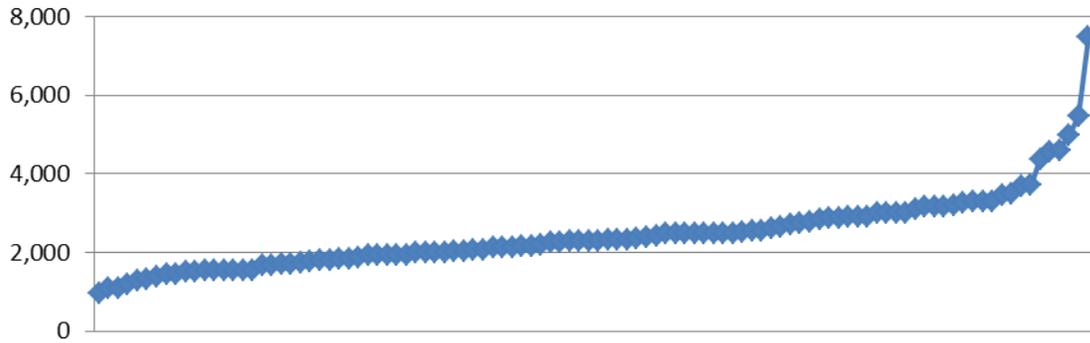
- User Fee (88)
- Non-ad valorem or special assessment (30)
- Ad valorem tax (4)
- Sales Tax (0)
- Other (3)

2-3 What is the general basis for your fee?

- Impervious area (87)
- Both gross area and impervious area (15)
- Gross area with intensity of development factor (5)
- Other (17)



2-4 If impervious area is the fee basis, what is the square footage of your average billing unit (ERU or similar designation)?



Average is 2,842 square feet (average in 2014 was 3,047). Chart above does not include Charlotte County (43,560 sq ft).

2-5 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 (68)
- All residential types (40)
- Other (12)



2-6 What is your current SWU rate per month?

Average rate is \$6.57 (2014 was \$5.68).

Utility Rate Range: Low: \$0.75 High: \$60.00

NR = No Response

Jurisdiction	Rate	Unit Size
Bay County	\$3.33	NR
Brevard County	\$4.33	2,500
Charlotte County	\$10.71	43,560
City of Altamonte Springs	\$6.75	2,492
City of Atlantic Beach	\$8.39	1,790
City of Auburndale	\$0.75	NR
City of Boca Raton	\$3.22	2,837
City of Boynton Beach	\$5.00	1,937
City of Bradenton	\$4.50	1,700
City of Bradenton Beach	\$4.40	N/A
City of Callaway	\$1.00	NR
City of Cape Canaveral	\$5.00	2,074
City of Casselberry	\$7.00	2,304
City of Clearwater	\$14.33	1,830
City of Clermont	\$3.00	3,154
City of Cocoa	\$6.25	2,166
City of Cocoa Beach	\$8.00	2,900
City of Coconut Creek	\$3.54	2,070
City of Cooper City	\$2.93	1,750
City of Coral Gables	\$8.80	2,346
City of Daytona Beach	\$9.38	1,661
City of DeBary	\$7.00	2,560
City of Delray Beach	\$5.33	2,502
City of Doral	\$4.00	1,548
City of Dunedin	\$10.16	1,708
City of Edgewater	\$9.00	2,027
City of Fernandina Beach	\$4.00	N/A
City of Flagler Beach	\$5.00	2,049
City of Fort Lauderdale	\$4.10	N/A
City of Fort Meade	\$6.19	2,750
City of Fort Myers	\$4.80	2,500
City of Fort Pierce	\$4.50	2,186
City of Fort Walton Beach	\$4.25	3,200
City of Fruitland Park	\$2.00	N/A
City of Gainesville	\$9.00	2,300
City of Green Cove Springs	\$3.50	N/A
City of Gulfport	\$3.60	2,300
City of Haines City	\$4.52	1,935
City of Hallandale Beach	\$3.35	958
City of Hialeah	\$2.50	1,664
City of Homestead	\$3.37	2,000
City of Indian Harbour Beach	\$4.00	2,500
City of Jacksonville	\$5.00	3,100
City of Jacksonville Beach	\$5.00	1,500
City of Key Colony Beach	\$60.00	NR
City of Key West	\$8.22	1,440
City of Kissimmee	\$8.08	2,404
City of Lake Alfred	\$2.00	N/A
City of Lake Mary	\$4.00	4,576
City of Lakeland	\$6.00	5,000
City of Largo	\$6.65	2,257
City of Leesburg	\$5.50	2,000
City of Longwood	\$6.00	2,898
City of Maitland	\$9.80	2,532
City of Margate	\$5.15	2,328
City of Melbourne	\$3.67	2,500
City of Miami	\$3.50	1,191
City of Miami Gardens	\$4.00	1,548
City of Miami Springs	\$3.67	N/A
City of Minneola	\$4.00	1,100
City of Naples	\$13.05	1,934
City of Neptune Beach	\$5.00	3,164

Jurisdiction	Rate	Unit Size
City of New Port Richey	\$3.36	2,629
City of New Smyrna Beach	\$7.17	1,818
City of Niceville	\$4.51	7,500
City of North Bay Village	\$7.72	2,415
City of North Lauderdale	\$3.00	2,138
City of North Miami	\$6.19	1,760
City of Oakland Park	\$7.00	1,507
City of Ocala	\$4.00	1,948
City of Oldsmar	\$5.00	2,550
City of Orlando	\$9.99	2,000
City of Ormond Beach	\$8.00	3,000
City of Palm Bay	\$4.47	4,602
City of Palm Coast	\$11.65	3,682
City of Pensacola	\$5.28	2,998
City of Pinellas Park	\$4.00	NA
City of Pompano Beach	\$3.68	2,880
City of Port St. Lucie	\$12.75	2,280
City of Riviera Beach	\$9.00	1,920
City of Rockledge	\$4.25	2,922
City of Safety Harbor	\$7.25	1,865
City of Sanford	\$8.25	2,126
City of Satellite Beach	\$8.67	3,000
City of Sebastian	\$5.00	3,285
City of South Pasadena	N/A	N/A
City of St. Petersburg	\$6.84	2,719
City of Stuart	\$3.95	3,707
City of Sweetwater	\$4.00	1,458
City of Tallahassee	\$7.95	1,990
City of Tamarac	\$9.19	1,830
City of Tampa	\$6.83	3,310
City of Tavares	\$7.75	3,500
City of Titusville	\$6.96	3,300
City of Umatilla	\$4.00	3,000
City of West Melbourne	\$3.00	2,500
City of West Miami	\$2.50	1,400
City of West Palm Beach	\$10.62	2,171
City of Wilton Manors	\$4.37	3,460
City of Winter Haven	\$3.16	N/A
City of Winter Park	\$11.56	2,324
City of Winter Springs	\$5.50	2,123
Hillsborough County	\$2.50	N/A
Lake County	.4984 mills	N/A
Leon County	\$7.08	3,272
Marion County	\$1.25	2,275
Miami-Dade County	\$4.00	1,548
Pasco County	\$4.75	2,890
Pinellas County	\$9.81	2,339
Polk County	\$0.00	N/A
Sarasota County	\$7.55	3,153
Town of Bay Harbor Islands	\$5.00	1,548
Town of Belleair	\$11.9	5,459
Town of Cutler Bay	\$4.00	1,548
Town of Jupiter	\$4.55	2,651
Town of Malabar	\$36.00	NR
Town of Melbourne Beach	\$3.00	2,500
Town of Redington Shores	\$1.50	1,312
Town of Surfside	\$5.35	1,300
Village of Indian Creek	\$4.38	4,385
Village of Key Biscayne	\$13.4	1,083
Village of Pinecrest	\$8.00	1,548
Village of Wellington	\$19.00	N/A
Volusia County	\$6.00	2,775



Comparative Monthly Stormwater Rates Based on Standardized Billing Area

Standardizing the billing area to 1,000 square feet gives the average for 2016 to be \$2.78 (2014 was \$2.58).
Rate per 1,000 square feet: Low: \$0.25 High: \$12.33

Jurisdiction	Rate/1000 Sq. Ft.
Brevard County	\$1.73
Charlotte County	\$0.25
City of Altamonte Springs	\$2.71
City of Atlantic Beach	\$4.69
City of Boca Raton	\$1.14
City of Boynton Beach	\$2.58
City of Bradenton	\$2.65
City of Cape Canaveral	\$2.41
City of Casselberry	\$3.04
City of Clearwater	\$7.83
City of Clermont	\$0.95
City of Cocoa	\$2.89
City of Cocoa Beach	\$2.76
City of Coconut Creek	\$1.71
City of Cooper City	\$1.67
City of Coral Gables	\$3.75
City of Daytona Beach	\$5.65
City of DeBary	\$2.73
City of Delray Beach	\$2.13
City of Doral	\$2.58
City of Dunedin	\$5.95
City of Edgewater	\$4.44
City of Flagler Beach	\$2.44
City of Fort Meade	\$2.25
City of Fort Myers	\$1.92
City of Fort Pierce	\$2.06
City of Fort Walton Beach	\$1.33
City of Gainesville	\$3.91
City of Gulfport	\$1.57
City of Haines City	\$2.34
City of Hallandale Beach	\$3.50
City of Hialeah	\$1.50
City of Homestead	\$1.69
City of Indian Harbour Beach	\$1.60
City of Jacksonville	\$1.61
City of Jacksonville Beach	\$3.33
City of Key West	\$5.71
City of Kissimmee	\$3.36
City of Lake Mary	\$0.87
City of Lakeland	\$1.20
City of Largo	\$2.95
City of Leesburg	\$2.75
City of Longwood	\$2.07
City of Maitland	\$3.87
City of Margate	\$2.21
City of Melbourne	\$1.47
City of Miami	\$2.94
City of Miami Gardens	\$2.58
City of Minneola	\$3.64
City of Naples	\$6.75
City of Neptune Beach	\$1.58
City of New Port Richey	\$1.28

Jurisdiction	Rate/1000 Sq. Ft.
City of New Smyrna Beach	\$3.94
City of Niceville	\$0.60
City of North Lauderdale	\$1.40
City of North Miami	\$3.52
City of Oakland Park	\$4.64
City of Ocala	\$2.05
City of Oldsmar	\$1.96
City of Orlando	\$5.00
City of Ormond Beach	\$2.67
City of Palm Bay	\$0.97
City of Palm Coast	\$3.16
City of Pensacola	\$1.76
City of Pompano Beach	\$1.28
City of Port St. Lucie	\$5.59
City of Riviera Beach	\$4.69
City of Rockledge	\$1.45
City of Safety Harbor	\$3.89
City of Sanford	\$3.88
City of Satellite Beach	\$2.89
City of Sebastian	\$1.52
City of St. Petersburg	\$2.52
City of Stuart	\$1.07
City of Sweetwater	\$2.74
City of Tallahassee	\$3.99
City of Tamarac	\$5.02
City of Tampa	\$2.06
City of Tavares	\$2.21
City of Titusville	\$2.11
City of Umatilla	\$1.33
City of West Melbourne	\$1.20
City of West Miami	\$1.79
City of West Palm Beach	\$4.89
City of Wilton Manors	\$1.26
City of Winter Park	\$4.97
City of Winter Springs	\$2.59
Leon County	\$2.16
Marion County	\$0.55
Miami-Dade County	\$2.58
Pasco County	\$1.64
Pinellas County	\$4.19
Sarasota County	\$2.39
Town of Bay Harbor Islands	\$3.23
Town of Belleair	\$2.18
Town of Cutler Bay	\$2.58
Town of Jupiter	\$1.72
Town of Melbourne Beach	\$1.20
Town of Redington Shores	\$1.14
Town of Surfside	\$4.12
Village of Indian Creek	\$1.00
Village of Key Biscayne	\$12.33
Village of Pinecrest	\$5.17
Volusia County	\$2.16

Comparative Monthly Stormwater Rates

The table compares rates from those jurisdictions that reported in 1995, 1997, 1999, 2001, 2003, 2005, 2007, 2009, 2011, 2014 or 2016.

Averages											
1995	1997	1999	2001	2003	2005	2007	2009	2011	2014	2016	Change
\$3.07	\$3.37	\$3.18	\$3.36	\$3.52	\$3.85	\$4.29	\$4.88	\$5.22	\$5.67	\$6.53	\$0.60

Jurisdiction	1995	1997	1999	2001	2003	2005	2007	2009	2011	2014	2016	Change
Bay County							\$3.33	\$3.33			\$3.33	
Brevard County	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00		\$3.00	\$3.33	\$3.00	\$4.33	\$1.33
Charlotte County				\$3.00			\$3.00		\$10.71	\$10.71	\$10.71	\$0.00
City of Altamonte Springs				\$4.75	\$4.75		\$5.75	\$6.75	\$6.75	\$6.75	\$6.75	\$0.00
City of Atlantic Beach	\$3.00	\$3.00	\$3.00	\$3.00	\$4.00	\$4.00	\$4.00	\$5.00	\$5.00	\$8.39	\$8.39	\$0.00
City of Auburndale	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.00
City of Aventura					\$2.50	\$2.50	\$2.50		\$2.50			
City of Boca Raton											\$3.22	
City of Boynton Beach			\$1.00	\$6.00		\$5.00	\$5.00				\$5.00	
City of Bradenton					\$2.50						\$4.50	
City of Bradenton Beach							\$8.33	\$8.33	\$8.33	\$8.33	\$4.40	-\$3.93
City of Callaway											\$1.00	
City of Cape Canaveral							\$3.00	\$3.00	\$3.00	\$5.00	\$5.00	\$0.00
City of Cape Coral	\$2.50	\$2.50	\$2.50	\$3.00	\$3.00	\$3.50	\$6.25	\$6.25	\$6.25	\$6.25		
City of Casselberry							\$2.90		\$7.00	\$7.00	\$7.00	\$0.00
City of Clearwater			\$4.17	\$4.22	\$7.16	\$8.65	\$9.91	\$11.13	\$12.51	\$13.77	\$14.33	\$0.56
City of Clermont							\$3.00		\$3.00	\$3.00	\$3.00	\$0.00
City of Cocoa			\$2.00	\$2.00	\$3.00	\$3.00			\$5.00	\$5.75	\$6.25	\$0.50
City of Cocoa Beach	\$2.75	\$3.50	\$2.75	\$2.75	\$5.00	\$5.00	\$6.00	\$6.00	\$6.00	\$6.00	\$8.00	\$2.00
City of Coconut Creek										\$3.46	\$3.54	\$0.08
City of Cooper City											\$2.93	
City of Coral Gables										\$8.20	\$8.80	\$0.60
City of Daytona Beach	\$2.37	\$2.43	\$2.56	\$2.71	\$2.71	\$4.00	\$6.00		\$7.48	\$8.67	\$9.38	\$0.71
City of DeBary							\$7.00	\$7.00		\$7.00	\$7.00	\$0.00
City of DeLand			\$3.60	\$3.60	\$5.81							
City of Delray Beach				\$4.50	\$4.50	\$4.50	\$5.33	\$5.33	\$5.33	\$5.33	\$5.33	\$0.00
City of Deltona			\$2.50	\$2.50	\$2.50	\$5.00						
City of Doral								\$4.00	\$4.00	\$4.00	\$4.00	\$0.00
City of Dunedin	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$4.50	\$6.00	\$6.00	\$7.40		\$10.16	\$10.16
City of Eagle Lake										\$4.00		
City of Edgewater	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$7.00	\$8.00	\$8.00	\$9.00	\$1.00
City of Eustis					\$3.00							
City of Fernandina Beach											\$4.00	
City of Flagler Beach											\$5.00	
City of Fort Lauderdale			\$2.24	\$2.24	\$2.35	\$2.62	\$2.90	\$3.20	\$3.53	\$3.50	\$4.10	\$0.60
City of Fort Meade					\$4.25	\$4.25	\$4.25	\$4.25	\$4.25	\$4.25	\$6.19	\$1.94
City of Fort Myers								\$4.80	\$4.80	\$4.80	\$4.80	\$0.00
City of Fort Pierce				\$1.50	\$2.50	\$2.50	\$4.50	\$4.50	\$4.50	\$4.50	\$4.50	\$0.00
City of Fort Walton Beach									\$3.00	\$3.00	\$4.25	\$1.25
City of Fruitland Park								\$1.00	\$2.00		\$2.00	\$2.00
City of Gainesville	\$4.75	\$5.00	\$5.25	\$5.75	\$6.25	\$6.50	\$6.95	\$7.65	\$8.15	\$8.56	\$9.00	\$0.44
City of Green Cove Springs											\$3.50	
City of Gulfport							\$2.87	\$2.87	\$2.87	\$3.21	\$3.60	-\$0.39
City of Haines City						\$2.00		\$2.00		\$4.52	\$4.52	
City of Hallandale Beach			\$1.42	\$1.42	\$1.42	\$2.17	\$2.68	\$2.68	\$2.50	\$3.35	\$3.35	
City of Hialeah	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50		\$2.50	
City of Holly Hill	\$2.00	\$2.50	\$2.50	\$2.50	\$3.00	\$3.00	\$3.00	\$6.00		\$6.00		

Comparative Monthly Stormwater Rates (continued)

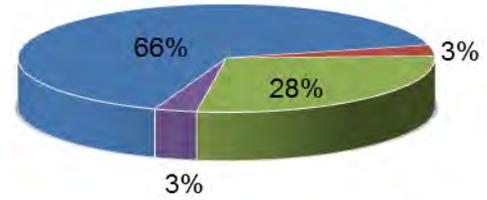
Jurisdiction	1995	1997	1999	2001	2003	2005	2007	2009	2011	2014	2016	Change
City of Hollywood						\$2.35	\$2.69		\$3.22			
City of Homestead			\$2.00	\$2.00	\$3.06	\$3.18			\$3.18		\$3.37	
City of Indian Harbour Beach											\$4.00	
City of Jacksonville									\$5.00	\$5.00	\$5.00	\$0.00
City of Jacksonville Beach	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00		\$4.78	\$5.00	\$0.22
City of Key Colony Beach											\$60.00	
City of Key West										\$7.90	\$8.22	\$0.32
City of Kissimmee									\$7.38	\$8.08	\$8.08	\$0.00
City of Lake Alfred										\$2.00	\$2.00	\$0.00
City of Lake Mary						\$3.00	\$3.00	\$3.00	\$3.00		\$4.00	
City of Lake Worth			\$2.25	\$2.25	\$2.25	\$2.90	\$5.80		\$5.80	\$6.30		
City of Lakeland				\$2.00	\$2.00	\$2.00	\$2.00	\$6.00	\$6.00	\$6.00	\$6.00	\$0.00
City of Largo	\$1.60	\$2.00	\$2.00	\$2.80	\$3.10	\$3.57	\$3.57	\$3.57	\$4.45		\$6.65	
City of Lauderhill									\$12.19			
City of Leesburg			\$3.00	\$3.00	\$3.00				\$6.00	\$6.00	\$5.50	-\$0.50
City of Longwood			\$3.00	\$3.00			\$6.00	\$6.00	\$6.00		\$6.00	
City of Madeira Beach							\$5.00	\$5.00				
City of Maitland										\$8.60	\$9.80	\$1.20
City of Margate			\$1.85	\$2.30		\$2.69	\$2.69	\$3.57			\$5.15	
City of Melbourne										\$3.00	\$3.67	\$0.67
City of Miami					\$3.50		\$3.50	\$3.50			\$3.50	
City of Miami Gardens								\$4.00	\$4.00	\$4.00	\$4.00	\$0.00
City of Miami Springs							\$3.67			\$3.67	\$3.67	\$0.00
City of Minneola							\$2.00	\$4.00			\$4.00	
City of Miramar			\$2.00	\$2.00	\$2.00	\$2.00	\$2.50					
City of Mount Dora								\$5.00		\$6.50		
City of Mulberry								\$4.00	\$4.00	\$4.00		
City of Naples						\$4.00	\$4.00	\$11.82	\$12.01	\$12.80	\$13.05	\$0.25
City of Neptune Beach						\$3.00	\$3.00	\$3.00		\$3.00	\$5.00	\$2.00
City of New Port Richey					\$3.36	\$3.36	\$3.36	\$3.36	\$3.36		\$3.36	
City of New Smyrna Beach											\$7.17	
City of Niceville						\$2.65	\$2.65	\$3.85	\$4.25	\$4.51	\$4.51	\$0.00
City of North Bay Village											\$7.72	
City of North Lauderdale			\$2.50	\$2.50	\$2.50	\$3.00	\$3.00	\$3.00		\$3.00	\$3.00	\$0.00
City of North Miami	\$2.50	\$2.00	\$2.10	\$2.10	\$2.10	\$4.65	\$4.65	\$5.64			\$6.19	
City of North Miami Beach		\$2.00	\$3.70	\$3.70	\$3.70	\$3.70	\$4.50		\$4.50	\$4.50		
City of Oakland Park	\$2.00	\$3.00	\$2.00		\$3.00	\$3.99	\$6.00	\$6.00	\$6.00	\$6.00	\$7.00	\$1.00
City of Ocala	\$2.50	\$2.50	\$3.00	\$3.00	\$3.00	\$3.00	\$4.00	\$4.00	\$4.00		\$4.00	
City of Ocoee			\$5.00	\$5.00	\$5.00	\$5.00	\$5.00		\$7.00			
City of Oldsmar	\$2.00	\$2.00	\$2.50	\$2.50	\$2.50	\$3.50	\$3.00	\$3.00		\$4.00	\$5.00	\$1.00
City of Orlando	\$3.00	\$4.50	\$5.50	\$5.50	\$5.50	\$6.88	\$9.08	\$9.99	\$9.99	\$9.99	\$9.99	\$0.00
City of Ormond Beach										\$8.00	\$8.00	\$0.00
City of Oviedo			\$4.00	\$4.00	\$4.00	\$4.00		\$4.00		\$4.00		
City of Palm Bay											\$4.47	
City of Palm Coast							\$6.00	\$8.00	\$8.00	\$11.65	\$11.65	\$0.00
City of Pensacola						\$4.40	\$4.40	\$4.40	\$4.40	\$5.07	\$5.28	\$0.21
City of Plant City								\$5.50				
City of Pinellas Park											\$4.00	
City of Pompano Beach					\$3.00	\$3.00	\$3.00	\$3.00		\$3.21	\$3.68	\$0.47
City of Port Orange	\$4.50	\$6.00	\$6.00	\$6.00	\$6.00	\$6.25	\$6.25	\$8.25				
City of Port St. Lucie			\$8.33	\$8.33	\$8.75	\$8.75	\$10.25	\$10.25			\$12.75	
City of Riviera Beach						\$4.50	\$4.50			\$4.50	\$9.00	\$4.50
City of Rockledge						\$3.00	\$3.00	\$3.75	\$3.75	\$3.75	\$4.25	\$0.50
City of Safety Harbor							\$3.50	\$3.75	\$3.75	\$7.25	\$7.25	\$0.00
City of Sanford	\$3.00	\$4.50	\$4.00	\$4.00	\$4.00	\$5.20		\$5.60	\$6.79		\$8.25	
City of Satellite Beach			\$3.00	\$3.00	\$3.00		\$3.50	\$4.50			\$8.67	

Comparative Monthly Stormwater Rates (continued)

Jurisdiction	1995	1997	1999	2001	2003	2005	2007	2009	2011	2014	2016	Change
City of Sebastian											\$5.00	
City of St. Augustine				\$5.00	\$5.00	\$5.00	\$5.00	\$5.00		\$7.00		
City of St. Cloud								\$6.35				
City of St. Pete Beach										\$3.92		
City of St. Petersburg	\$4.50	\$3.00	\$4.50	\$4.50	\$5.00	\$6.00	\$6.40	\$6.85	\$6.84	\$6.84	\$6.84	\$0.00
City of Stuart					\$2.65	\$2.65	\$3.76	\$3.76	\$3.76	\$3.95	\$3.95	\$0.00
City of Sunny Isles Beach					\$2.50	\$2.50	\$2.50		\$2.50			
City of Sunrise			\$1.30	\$1.30	\$1.30	\$1.30	\$2.32	\$3.25	\$4.50	\$6.82		
City of Sweetwater											\$4.00	
City of Tallahassee	\$4.75	\$5.75	\$5.91	\$6.25	\$6.25	\$6.25	\$6.93	\$7.61	\$7.95	\$7.95	\$7.95	\$0.00
City of Tamarac							\$8.00	\$9.03	\$9.58	\$9.19	\$9.19	\$0.00
City of Tampa							\$3.00	\$3.00	\$3.00	\$3.00	\$6.83	\$3.83
City of Tarpon Springs						\$5.65		\$5.65	\$5.65	\$5.65		
City of Tavares						\$3.00			\$4.50	\$4.50	\$7.75	\$3.25
City of Titusville	\$3.00	\$3.00	\$3.29	\$3.71	\$4.15	\$5.30	\$5.57	\$5.85	\$6.15	\$6.62	\$6.96	\$0.34
City of Umatilla											\$4.00	
City of Venice			\$2.98	\$2.98	\$2.98	\$2.98	\$5.00	\$5.00				
City of West Melbourne											\$3.00	
City of West Miami							\$2.50	\$2.50	\$2.50		\$2.50	
City of West Palm Beach	\$2.50	\$3.00	\$3.00	\$3.40	\$3.40	\$6.04	\$6.95	\$8.48			\$10.62	
City of Wilton Manors			\$3.00	\$3.00	\$3.00	\$3.50	\$3.50	\$3.50	\$3.50	\$4.37	\$4.37	\$0.00
City of Winter Garden	\$7.43	\$7.43	\$4.00	\$4.00			\$4.00					
City of Winter Haven							\$2.68			\$3.16	\$3.16	\$0.00
City of Winter Park								\$9.78	\$11.56	\$11.56	\$11.56	\$0.00
City of Winter Springs	\$2.04	\$2.04	\$2.04	\$2.04	\$3.25	\$3.25	\$5.50	\$5.50	\$5.50	\$5.50	\$5.50	\$0.00
Hillsborough County	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$2.50	\$1.50
Lake County (in mils)							0.5	.4984	.4985	.4985	\$0.50	
Leon County			\$1.67	\$1.67	\$1.67	\$1.67	\$1.67	\$1.67	\$1.67	\$7.08	\$7.08	\$0.00
Marion County							\$1.25	\$1.25	\$1.25	\$1.25	\$1.25	\$0.00
Miami-Dade County				\$2.50	\$3.00	\$4.00	\$4.00	\$4.00	\$4.00	\$4.00	\$4.00	\$0.00
Pasco County								\$3.82	\$3.92	\$3.92	\$4.75	\$0.83
Pinellas County										\$9.67	\$9.81	\$0.14
Polk County										.1 mil	\$0.00	
Sarasota County	\$2.81	\$5.83	\$6.70	\$6.70	\$6.70	\$6.70	\$7.24	\$7.55	\$7.55		\$7.55	
Town of Bay Harbor Islands					\$5.00						\$5.00	
Town of Belleair											\$11.92	
Town of Cutler Bay											\$4.00	
Town of Jupiter			\$3.18	\$3.51	\$3.68	\$3.85	\$4.10	\$4.37	\$4.37	\$4.37	\$4.55	\$0.18
Town of Malabar						\$3.00		\$3.00			\$36.00	
Town of Medley							\$3.00	\$3.00				
Town of Melbourne Beach								\$3.00		\$3.00	\$3.00	\$0.00
Town of Pembroke Park						\$5.50	\$5.67	\$6.25		\$9.00		
Town of Redington Shores											\$1.50	
Town of Surfside											\$5.35	
Village of El Portal					\$3.00							
Village of Indian Creek								\$4.39	\$4.39		\$4.38	
Village of Key Biscayne											\$13.35	
Village of Miami Shores Village					\$2.67	\$3.00	\$3.25	\$3.75	\$3.75			
Village of Pinecrest					\$2.00	\$3.00	\$3.00	\$3.00	\$4.00	\$4.00	\$8.00	\$4.00
Village of Wellington											\$19.00	
Volusia County	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$6.00	\$6.00	\$6.00	\$6.00	\$6.00	\$0.00

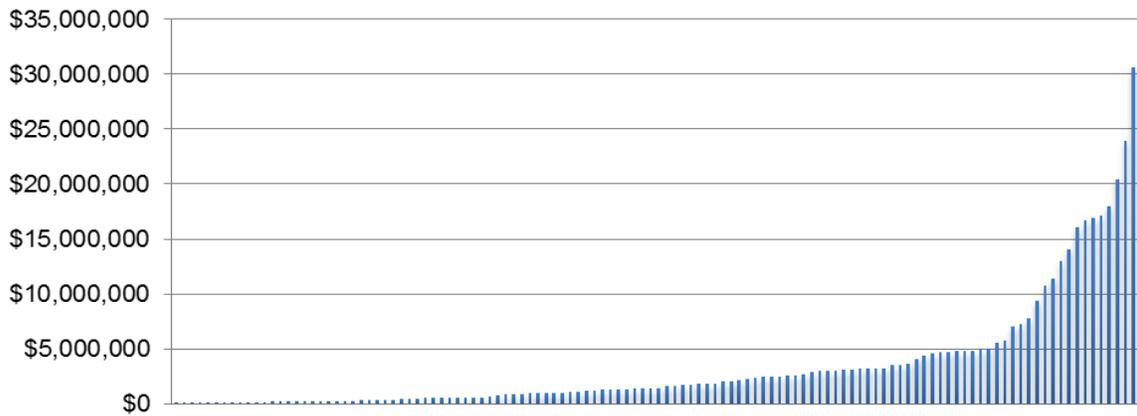
2-7 How are the majority of your stormwater charges invoiced?

- Combined on monthly bill for other utility services (80)
- Separate Mailing (4)
- Placed on annual property tax bill (34)
- Other (4)



2-8 What is the total annual revenue generated by the utility fee?

Average revenue generated is \$3,661,411 (2014 was \$3,626,620).



Total Annual Revenue generated by utility fee (sorted by jurisdiction)

NR = No Response

Jurisdiction	2016 Revenue	Jurisdiction	2016 Revenue
Bay County	\$1,755,880	City of New Port Richey	\$542,119
Brevard County	\$4,956,903	City of New Smyrna Beach	\$1,800,000
Charlotte County	\$5,000,000	City of Niceville	\$480,000
City of Altamonte Springs	\$2,022,364	City of North Bay Village	\$112,927
City of Atlantic Beach	\$1,135,000	City of North Lauderdale	\$375,000
City of Auburndale	\$42,966	City of North Miami	\$2,448,000
City of Boca Raton	\$1,800,000	City of Oakland Park	\$3,000,070
City of Boynton Beach	\$3,200,000	City of Ocala	\$4,803,148
City of Bradenton	\$1,847,000	City of Oldsmar	\$600,000
City of Bradenton Beach	\$298,650	City of Orlando	\$23,881,352
City of Callaway	\$85,000	City of Ormond Beach	\$2,550,000
City of Cape Canaveral	\$582,000	City of Palm Bay	\$3,135,767
City of Casselberry	\$1,711,878	City of Palm Coast	\$7,048,000
City of Clearwater	\$16,700,000	City of Pensacola	\$2,588,100
City of Clermont	\$1,038,627	City of Pinellas Park	\$1,237,542

Total Annual Revenue generated by utility fee (sorted by jurisdiction) continued			
Jurisdiction	2016 Revenue	Jurisdiction	2016 Revenue
City of Cocoa	\$1,400,000	City of Pompano Beach	\$2,843,950
City of Cocoa Beach	\$566,000	City of Port St. Lucie	\$20,422,000
City of Coconut Creek	\$1,552,800	City of Riviera Beach	\$3,200,000
City of Cooper City	\$130,000	City of Rockledge	\$875,250
City of Coral Gables	\$3,150,000	City of Safety Harbor	\$561,000
City of Daytona Beach	\$9,399,000	City of Sanford	\$4,705,595
City of DeBary	\$791,000	City of Satellite Beach	\$513,303
City of Delray Beach	\$2,200,000	City of Sebastian	\$986,000
City of Doral	\$3,000,000	City of South Pasadena	N/A
City of Dunedin	\$3,219,581	City of St. Petersburg	\$13,000,000
City of Edgewater	\$1,302,571	City of Stuart	\$545,000
City of Fernandina Beach	\$250,000	City of Sweetwater	NR
City of Flagler Beach	\$260,000	City of Tallahassee	N/A
City of Fort Lauderdale	\$7,250,762	City of Tamarac	\$4,346,747
City of Fort Meade	\$207,485	City of Tampa	\$16,056,716
City of Fort Myers	\$3,050,000	City of Tavares	\$964,613
City of Fort Pierce	\$2,406,000	City of Titusville	\$2,300,000
City of Fort Walton Beach	\$892,659	City of Umatilla	\$99,000
City of Fruitland Park	\$21,000	City of West Melbourne	\$386,431
City of Gainesville	\$7,734,911	City of West Miami	\$126,534
City of Green Cove Springs	\$177,400	City of West Palm Beach	\$10,748,860
City of Gulfport	\$324,089	City of Wilton Manors	\$250,000
City of Haines City	\$500,000	City of Winter Haven	\$1,409,395
City of Hallandale Beach	\$1,977,760	City of Winter Park	\$3,021,777
City of Hialeah	\$3,600,000	City of Winter Springs	\$1,090,000
City of Homestead	\$1,644,744	Hillsborough County	\$16,900,000
City of Indian Harbour Beach	\$226,114	Lake County	\$504,000
City of Jacksonville	\$30,600,000	Leon County	\$3,492,616
City of Jacksonville Beach	\$1,296,045	Marion County	\$3,500,000
City of Key Colony Beach	\$197,000	Miami-Dade County	\$31,000,000
City of Key West	\$2,150,000	Pasco County	\$14,000,000
City of Kissimmee	\$4,738,000	Pinellas County	\$18,000,000
City of Lake Alfred	\$45,000	Polk County	\$1,400,000
City of Lake Mary	\$408,930	Sarasota County	\$17,092,167
City of Lakeland	\$4,536,900	Town of Bay Harbor Islands	\$206,000
City of Largo	\$5,495,000	Town of Belleair	\$350,000
City of Leesburg	\$1,400,000	Town of Cutler Bay	\$950,000
City of Longwood	\$1,300,000	Town of Jupiter	\$2,493,964
City of Maitland	\$1,141,392	Town of Malabar	\$72,000
City of Margate	\$900,000	Town of Melbourne Beach	\$53,000
City of Melbourne	\$2,700,000	Town of Redington Shores	\$45,000
City of Miami	\$11,424,031	Town of Surfside	\$137,000
City of Miami Gardens	\$4,000,000	Village of Indian Creek	\$181,000
City of Miami Springs	\$210,000	Village of Key Biscayne	\$1,003,187
City of Minneola	\$190,800	Village of Pinecrest	\$919,600
City of Naples	\$4,773,000	Village of Wellington	\$5,700,000
City of Neptune Beach	\$280,000	Volusia County	\$4,780,750

Comparative Annual Stormwater Revenue

The table below compares annual revenues generated only from those jurisdictions that reported in 2005, 2007, 2009, 2011, 2014 or 2016.

Jurisdiction	2005	2007	2009	2011	2014	2016	Change
Bay County		\$14,000	\$1,400,000			\$1,755,880	
Brevard County	\$3,251,504	\$3,203,202	\$3,203,202	\$3,306,078	\$3,402,357	\$4,956,903	\$1,554,546
Charlotte County		\$5,000,000		\$5,000,000	\$5,000,000	\$5,000,000	\$0
City of Altamonte Springs		\$1,627,000	\$1,915,871	\$1,915,871	\$1,915,871	\$2,022,364	\$106,493
City of Atlantic Beach	\$332,500	\$377,500	\$482,000	\$508,124	\$855,000	\$1,135,000	\$280,000
City of Auburndale	\$27,500	\$44,829	\$44,829	\$42,966	\$42,966	\$42,966	\$0
City of Aventura	\$963,000	\$963,000		\$801,532			
City of Boca Raton						\$1,800,000	
City of Boynton Beach	\$3,000,000	\$3,200,000				\$3,200,000	
City of Bradenton						\$1,847,000	
City of Bradenton Beach		\$129,000	\$129,000	\$129,000	\$147,000	\$298,650	\$151,650
City of Callaway						\$85,000	
City of Cape Canaveral		\$334,200	\$334,200	\$334,200	\$581,400	\$582,000	\$600
City of Cape Coral	\$7,621,185	\$13,525,806	\$13,525,806	\$11,912,940	\$12,365,100		
City of Casselberry		\$500,000		\$1,748,000	\$1,679,050	\$1,711,878	\$32,828
City of Clearwater	\$9,441,000	\$9,441,000	\$12,400,000	\$14,905,000	\$16,700,000	\$16,700,000	\$0
City of Clermont		\$733,000		\$804,800	\$804,800	\$1,038,627	\$233,827
City of Cocoa	\$520,000			\$520,000	\$520,000	\$1,400,000	\$880,000
City of Cocoa Beach	\$478,000	\$585,000	\$585,000	\$585,000	\$566,000	\$566,000	\$0
City of Coconut Creek					\$1,552,800	\$1,552,800	\$0
City of Cooper City						\$130,000	
City of Coral Gables					\$2,900,000	\$3,150,000	\$250,000
City of Daytona Beach	\$2,680,000	\$5,026,480		\$5,026,480	\$9,399,000	\$9,399,000	\$0
City of DeBary		\$700,000	\$700,000		\$791,000	\$791,000	\$0
City of Delray Beach	\$1,750,000	\$2,200,000	\$2,200,000	\$2,200,000	\$2,200,000	\$2,200,000	\$0
City of Deltona	\$2,000,000						
City of Doral			\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$0
City of Dunedin	\$1,350,000	\$1,350,000	\$1,618,880	\$2,405,152		\$3,219,581	
City of Eagle Lake					\$45,000		
City of Edgewater	\$842,000	\$892,417	\$943,423	\$1,276,032	\$1,276,483	\$1,302,571	\$26,088
City of Fernandina Beach						\$250,000	
City of Flagler Beach						\$260,000	
City of Ft. Lauderdale	\$3,400,000	\$3,800,000	\$4,500,000	\$4,864,000	\$5,197,944	\$7,250,762	\$2,052,818
City of Ft. Meade	\$139,000	\$139,000	\$140,000	\$140,000	\$140,000	\$207,485	\$67,485
City of Ft. Myers			\$2,700,000	\$2,700,000	\$2,860,000	\$3,050,000	\$190,000
City of Ft. Pierce	\$1,157,999	\$2,298,787	\$2,700,000	\$2,500,000	\$2,406,000	\$2,406,000	\$0
City of Ft. Walton Beach				\$670,893	\$670,893	\$892,659	\$221,766
City of Fruitland Park			\$21,000	\$21,000		\$21,000	
City of Gainesville	\$5,521,776	\$5,946,678	\$6,189,844	\$6,609,596	\$6,753,539	\$7,734,911	\$981,372
City of Green Cove Springs						\$177,400	
City of Gulfport		\$318,000	\$318,000	\$306,510	\$306,510	\$324,089	\$17,579
City of Haines City	\$120,000		\$190,325	\$190,325	\$500,000	\$500,000	\$0
City of Hallandale Beach	\$981,475	\$1,300,000	\$1,300,000	\$1,462,465	\$1,977,760	\$1,977,760	\$0
City of Hialeah	\$3,400,000	\$3,411,100	\$3,420,800	\$3,420,800		\$3,600,000	
City of Holly Hill	\$390,000	\$390,000	\$846,000		\$804,000		
City of Hollywood	\$2,075,000	\$2,400,000		\$2,400,000			
City of Homestead	\$937,694			\$937,694		\$1,644,744	
City of Indian Harbour Beach						\$226,114	
City of Jacksonville				\$30,000,000	\$30,600,000	\$30,600,000	\$0

Comparative Annual Stormwater Revenues (continued)

Jurisdiction	2005	2007	2009	2011	2014	2016	Change
City of Jacksonville Beach	\$1,243,512	\$2,107,502	\$1,209,604		\$1,209,604	\$1,296,045	\$86,441
City of Key Colony Beach						\$197,000	
City of Key West					\$2,100,000	\$2,150,000	\$50,000
City of Kissimmee				\$3,625,000	\$4,020,561	\$4,738,000	\$717,439
City of Lake Alfred					\$45,000	\$45,000	\$0
City of Lake Mary	\$164,700	\$281,108	\$242,500	\$268,000		\$408,930	
City of Lake Worth	\$857,110	\$2,717,000		\$2,717,000	\$1,846,304		
City of Lakeland	\$1,412,000	\$1,365,936	\$3,313,960	\$4,320,000	\$4,536,900	\$4,536,900	\$0
City of Largo	\$1,940,600	\$1,940,600	\$1,940,600	\$3,709,320		\$5,495,000	
City of Lauderhill				\$5,058,801			
City of Leesburg				\$1,500,000	\$1,400,000	\$1,400,000	\$0
City of Longwood		\$1,300,000	\$1,300,000	\$1,300,000		\$1,300,000	
City of Madeira Beach		\$375,000	\$375,000				
City of Maitland					\$1,141,392	\$1,141,392	\$0
City of Margate	\$688,000	\$688,000	\$900,000			\$900,000	
City of Melbourne					\$2,300,000	\$2,700,000	\$400,000
City of Miami		\$8,962,242	\$9,508,218			\$11,424,031	
City of Miami Gardens			\$3,500,000	\$3,500,000	\$4,000,000	\$4,000,000	\$0
City of Miami Springs		\$281,000			\$278,515	\$210,000	(\$68,515)
City of Minneola		\$91,000	\$91,000			\$190,800	
City of Miramar	\$897,176	\$1,257,000					
City of Mount Dora			\$24,760	\$24,760	\$848,843		
City of Mulberry				\$217,885	\$217,885		
City of Naples	\$1,463,000	\$1,506,900	\$4,150,000	\$4,754,978	\$4,754,978	\$4,773,000	\$18,022
City of Neptune Beach	\$170,000	\$195,000	\$173,127		\$173,127	\$280,000	\$106,873
City of New Port Richey	\$505,980	\$542,119	\$542,119	\$542,119		\$542,119	
City of New Smyrna Beach						\$1,800,000	
City of Niceville	\$217,240	\$222,100	\$375,000	\$388,000	\$425,000	\$480,000	\$55,000
City of North Bay Village						\$112,927	
City of North Lauderdale	\$329,000	\$329,000	\$375,000		\$375,000	\$375,000	\$0
City of North Miami	\$1,984,527	\$2,072,818	\$2,260,385			\$2,448,000	
City of North Miami Beach	\$1,200,000	\$1,287,000		\$1,280,359	\$1,275,000		
City of Oakland Park	\$2,400,000	\$3,120,000	\$3,120,000	\$2,850,000	\$3,000,000	\$3,000,070	\$70
City of Ocala	\$2,248,000	\$4,372,793	\$4,245,131	\$4,245,131		\$4,803,148	
City of Ocoee	\$1,325,000	\$2,275,470		\$3,209,160			
City of Oldsmar	\$320,000	\$320,000	\$320,000		\$509,000	\$600,000	\$91,000
City of Orlando	\$14,545,000	\$20,188,000	\$22,519,940	\$22,878,645	\$22,632,278	\$23,881,352	\$1,249,074
City of Ormond Beach					\$2,550,000	\$2,550,000	\$0
City of Oviedo	\$697,000		\$697,000		\$697,000		
City of Palm Bay						\$3,135,767	
City of Palm Coast		\$3,100,000	\$3,700,000	\$5,440,000	\$7,852,470	\$7,048,000	(\$804,470)
City of Pensacola	\$1,900,000	\$1,900,000	\$1,900,000	\$1,900,000	\$2,410,000	\$2,588,100	\$178,100
City of Pinellas Park						\$1,237,542	
City of Plant City			\$2,082,000				
City of Pompano Beach	\$2,400,000	\$2,400,000	\$2,400,000		\$2,420,000	\$2,843,950	\$423,950
City of Port Orange	\$2,287,000	\$3,140,000	\$3,480,389				
City of Port St. Lucie	\$12,000,000	\$14,000,000	\$14,800,000			\$20,422,000	
City of Riviera Beach	\$1,500,000	\$1,500,000			\$1,600,000	\$3,200,000	\$1,600,000
City of Rockledge	\$895,000	\$985,000	\$905,000	\$939,000	\$939,000	\$875,250	(\$63,750)
City of Safety Harbor		\$510,000	\$561,000	\$561,000	\$561,000	\$561,000	\$0
City of Sanford	\$2,113,200		\$2,113,200	\$3,746,409		\$4,705,595	
City of Satellite Beach		\$165,153	\$212,339			\$513,303	
City of Sebastian						\$986,000	

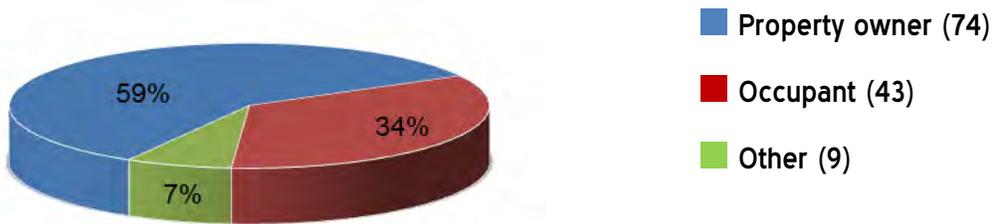
Comparative Annual Stormwater Revenues (continued)

Jurisdiction	2005	2007	2009	2011	2014	2016	Change
City of St. Augustine	\$650,000	\$886,000	\$734,328		\$800,000		
City of St. Cloud			\$1,380,000				
City of St. Pete Beach					\$619,300		
City of St. Petersburg	\$10,262,000	\$10,500,000	\$11,000,000	\$11,000,000	\$13,000,000	\$13,000,000	\$0
City of Stuart	\$365,000	\$481,320	\$535,000	\$545,000	\$545,000	\$545,000	\$0
City of Sunny Isles Beach	\$525,000	\$525,000		\$525,000			
City of Sunrise	\$1,670,000	\$1,670,000	\$2,872,064	\$4,034,100	\$6,202,817		
City of Tallahassee	\$9,000,000	\$9,000,000	\$9,000,000	\$9,000,000	NR	N/A	
City of Tamarac		\$4,155,850	\$4,498,587	\$4,953,790	\$4,953,790	\$4,346,747	(\$607,043)
City of Tampa		\$6,118,638	\$6,902,089	\$7,005,850	\$7,128,021	\$16,056,716	\$8,928,695
City of Tarpon Springs	\$1,028,000		\$1,028,000	\$1,028,000	\$1,028,000		
City of Tavares	\$139,760			\$139,760	\$139,760	\$964,613	\$824,853
City of Titusville	\$1,424,998	\$1,700,000	\$1,800,000	\$2,000,000	\$2,300,000	\$2,300,000	\$0
City of Umatilla						\$99,000	
City of Venice	\$1,750,000	\$1,750,000	\$2,000,000				
City of West Melbourne						\$386,431	
City of West Miami		\$85,000	\$85,000	\$85,000		\$126,534	
City of West Palm Beach	\$6,200,000	\$7,000,000	\$8,000,000			\$10,748,860	
City of Wilton Manors	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$0
City of Winter Garden		\$1,468,096					
City of Winter Haven		\$584,938			\$1,409,395	\$1,409,395	\$0
City of Winter Park			\$1,518,000	\$2,951,679	\$2,963,998	\$3,021,777	\$57,779
City of Winter Springs	\$500,000	\$1,048,000	\$1,055,000	\$1,050,000	\$980,000	\$1,090,000	\$110,000
Hillsborough County	\$5,116,000	\$5,527,000	\$5,500,000	\$5,800,000	\$6,300,000	\$16,900,000	\$10,600,000
Lake County		\$5,000,000	\$1,300,000	\$3,200,000	\$3,200,000	\$504,000	(\$2,696,000)
Leon County	\$621,912	\$831,348	\$831,348	\$1,070,599	\$3,203,866	\$3,492,616	\$288,750
Marion County		\$3,150,000	\$3,700,000	\$3,400,000	\$3,500,000	\$3,500,000	\$0
Miami-Dade County	\$32,667,000	\$37,175,000	\$31,000,000	\$31,000,000	\$31,000,000	\$31,000,000	\$0
Pasco County			\$11,000,000	\$11,000,000	\$12,000,000	\$14,000,000	\$2,000,000
Pinellas County					\$17,006,064	\$18,000,000	\$993,936
Polk County					\$1,400,000	\$1,400,000	\$0
Sarasota County	\$13,626,356	\$15,829,625	\$17,161,862	\$16,994,185		\$17,092,167	
Town of Bay Harbor Islands						\$206,000	
Town of Belleair						\$350,000	
Town of Cutler Bay						\$950,000	
Town of Jupiter	\$1,825,000	\$1,825,000	\$2,205,410	\$2,206,489	\$2,229,043	\$2,493,964	\$264,921
Town of Malabar	\$50,000		\$60,000			\$72,000	
Town of Medley		\$1,000,000	\$1,000,000				
Town of Melbourne Beach			\$53,000		\$53,000	\$53,000	\$0
Town of Pembroke Park	\$500,000	\$580,000	\$730,000		\$1,225,000		
Town of Redington Shores						\$45,000	
Town of Surfside						\$137,000	
Village of Indian Creek		\$175,900	\$175,900	\$181,000	\$181,000	\$181,000	\$0
Village of Key Biscayne						\$1,003,187	
Village of Miami Shores	\$132,570	\$132,570	\$224,000	\$224,000			
Village of Pinecrest	\$362,200	\$367,450	\$378,620	\$449,041	\$449,041	\$919,600	\$470,559
Village of Wellington						\$5,700,000	
Volusia County	\$1,700,000	\$4,500,000	\$4,600,000	\$4,842,897	\$4,622,778	\$4,780,750	\$157,972

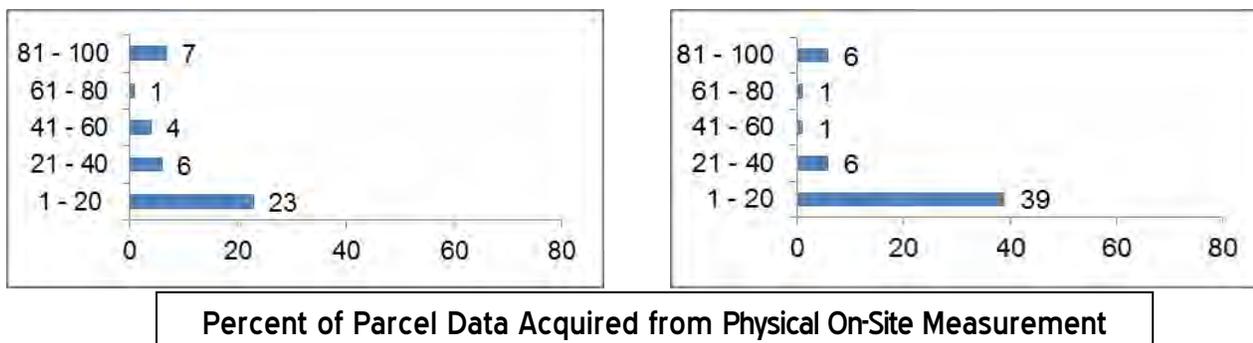
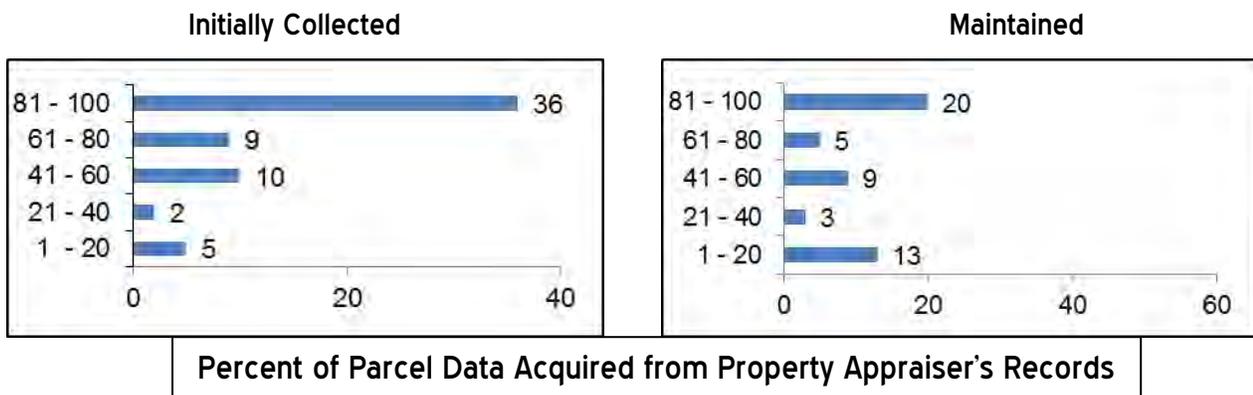
Year	2005	2007	2009	2011	2014	2016	Change
Total	\$200,448,474	\$278,664,475	\$290,723,660	\$316,556,415	\$322,769,203	\$443,030,723	\$32,480,708
Average	\$2,708,763	\$3,062,247	\$3,230,263	\$3,813,933	\$3,626,620	\$3,661,411	\$427,378



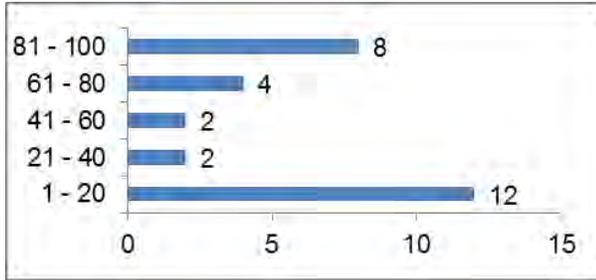
2-9 Who is responsible for paying your utility fee?



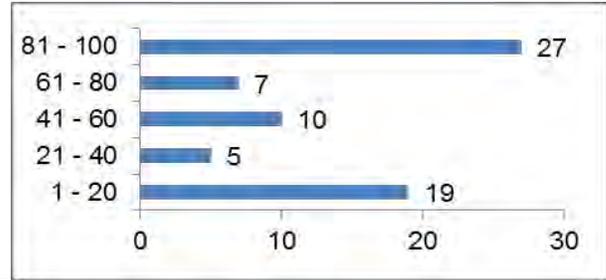
2-10 For properties that are charged a fee based on actual, on-site impervious area (i.e. *not* a customer class average) please estimate how a majority of this information was initially collected and how it is maintained for your billing database?



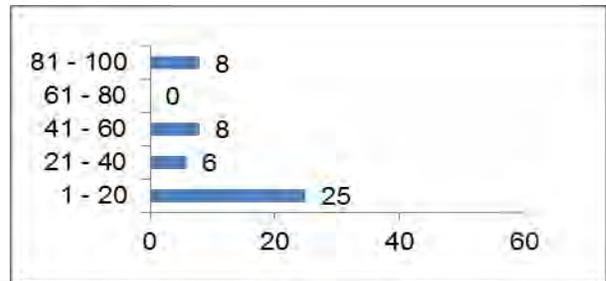
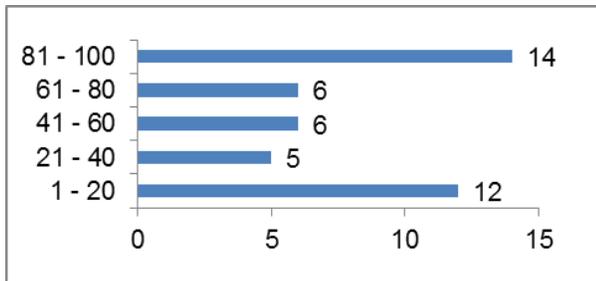
Initially Collected



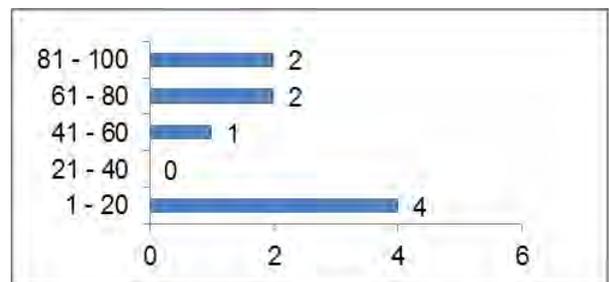
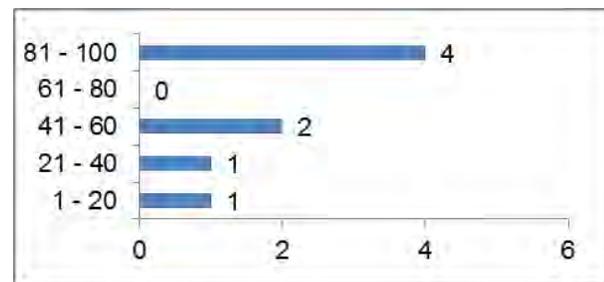
Maintained



Percent of Parcel Data Acquired from Permit Records

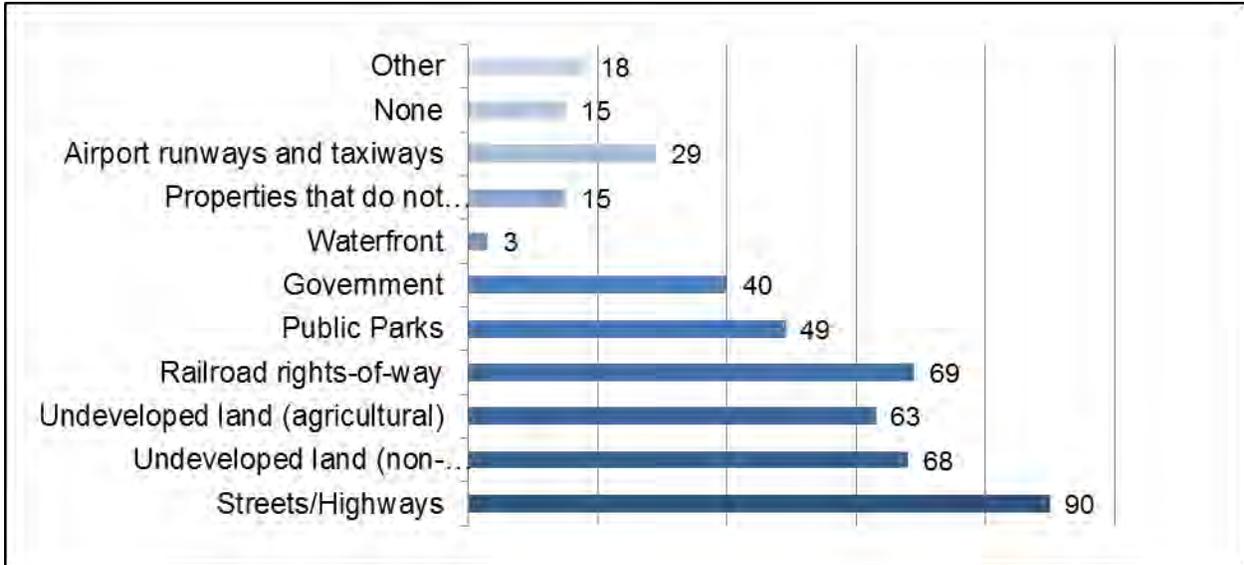


Percent of Parcel Data Acquired from Air Photos



Percent of Parcel Data Acquired from Other Sources

2-11 What properties are exempt from your user fees?



2-12 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	22	31	4	9
State	23	30	5	9
County	22	36	2	8
City	20	41	3	9
School District	24	31	10	7
Special District	8	34	3	6

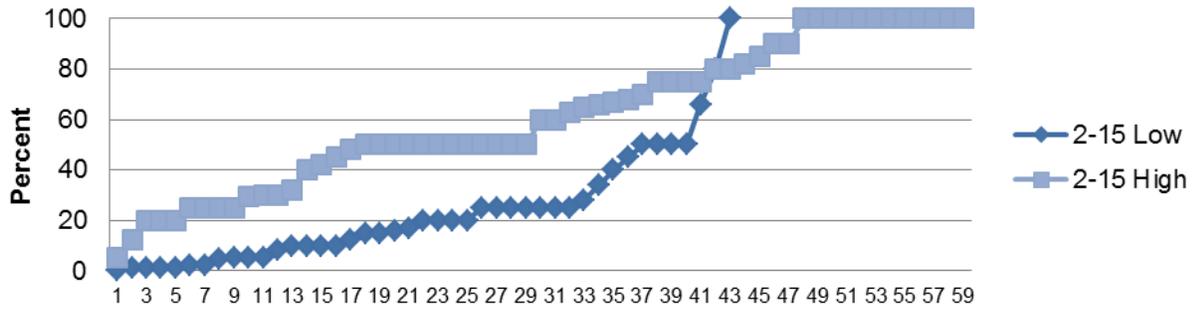
2-13 Of those accounts that receive credits, what is the average percent reduction in the utility fee?

Average Reduction:	28.52
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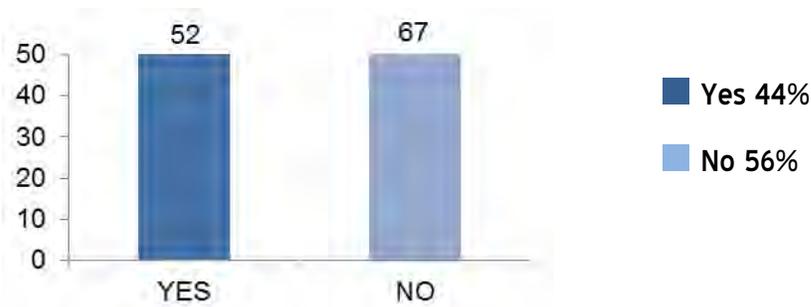
2-14 Of the total number of SWU accounts, how many receive credits?

Reported number of accounts that receive credits:	337,779
Average number of accounts that receive credits:	3,753

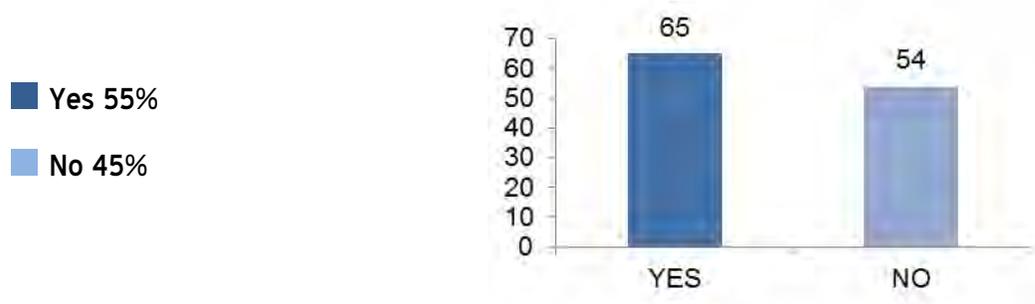
2-15 Of those accounts that receive credits, what is the range in possible percent reductions in SWU fees?



2-16 Are credits provided for private detention/retention facilities?

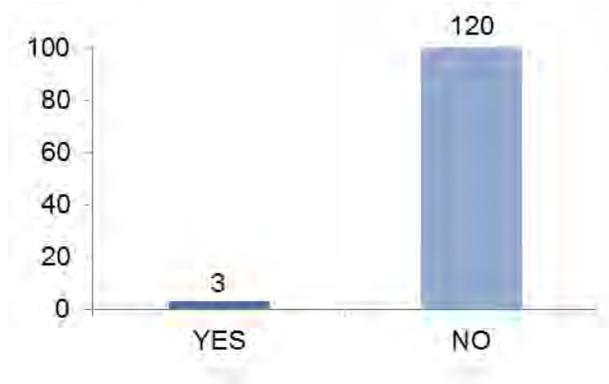


2-17 Are user fees for single-family detached dwellings the same as for individual units in multi-family (e.g. apartments, condominiums)?



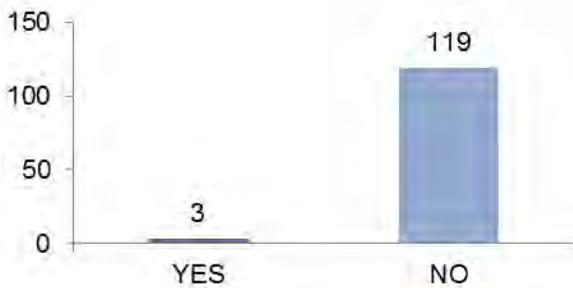
2-18 Do user fees vary by watershed?

■ Yes 2%
■ No 98%



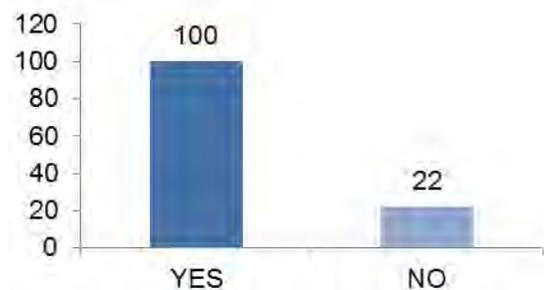
2-19 Are different fees charged within the “zone-of-benefit” of specific capital projects to account for differences in capital costs?

■ Yes 2%
■ No 98%

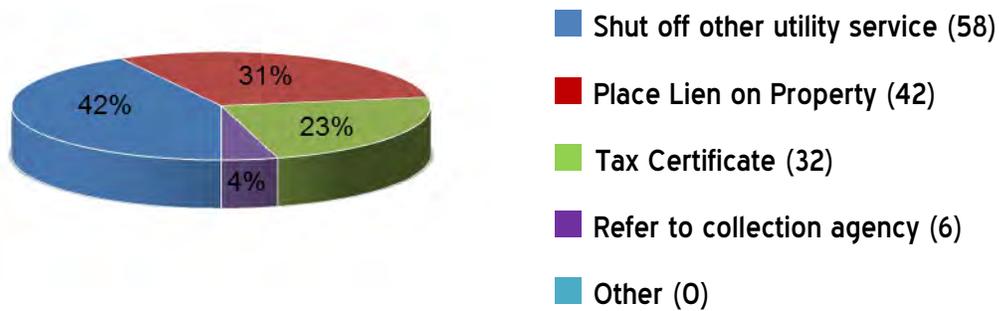


2-20 Does your local code require private detention/retention facilities?

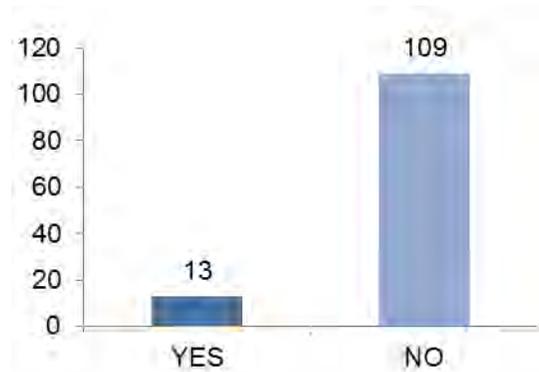
■ Yes 82%
■ No 18%



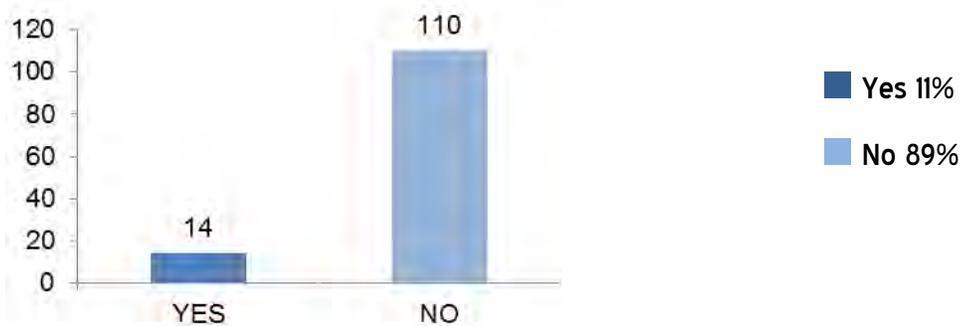
2-21 How is payment of the utility charge enforced?



2-22 Were interim rates established during the formation of the utility prior to adoption of a permanent rate format?

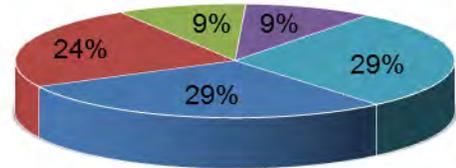


2-23 Have your stormwater fees or assessments faced a legal challenge in court?

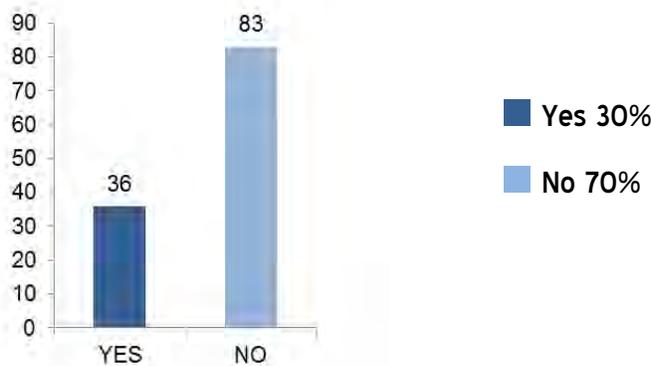


2-24 If your charges have been challenged in court, what was the outcome?

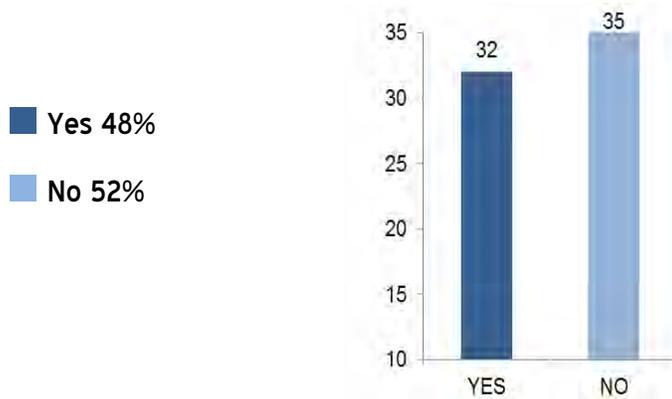
- Fee Sustained (6)
- Settlement Reached (5)
- Pending (2)
- Fees Not Sustained (2)
- Other (6)



2-25 Has your jurisdiction modified your SWU rate structure to take into account new water quality requirements and corresponding costs as a result of the TMDL program?



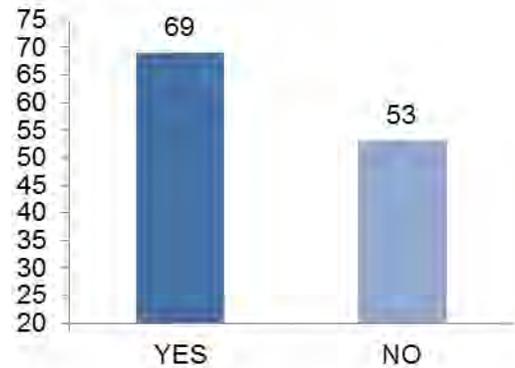
If not, are you actively considering such modifications?



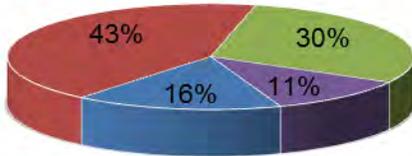
Stormwater Program

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 57%
- No 43%



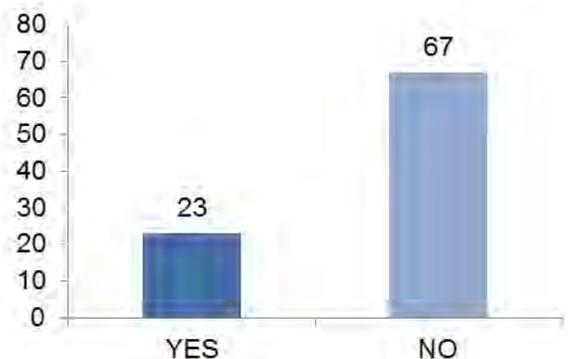
3-2 Does your jurisdiction charge a fee for:



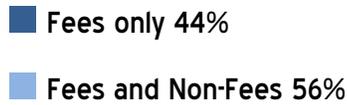
- Stormwater management permits (29)
- Stormwater management site plan review (75)
- Stormwater inspection during construction (52)
- Stormwater inspection after construction (O&M) (20)

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

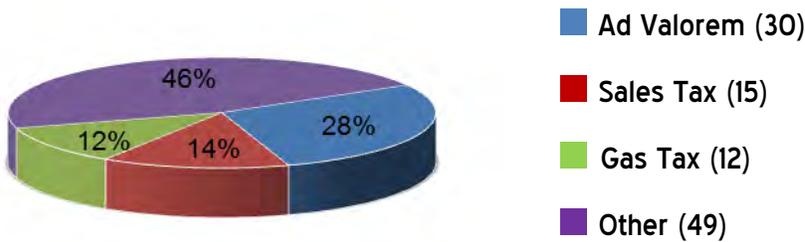
- Yes 26%
- No 74%



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



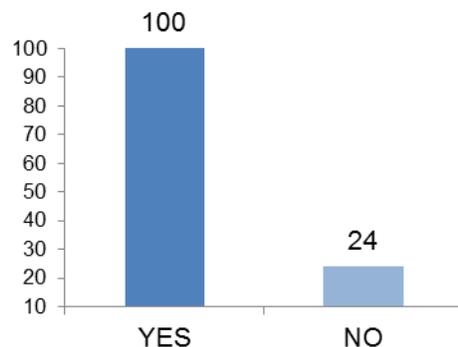
3-5 If non-fee funds are used for capital construction, what is the source of the revenue?



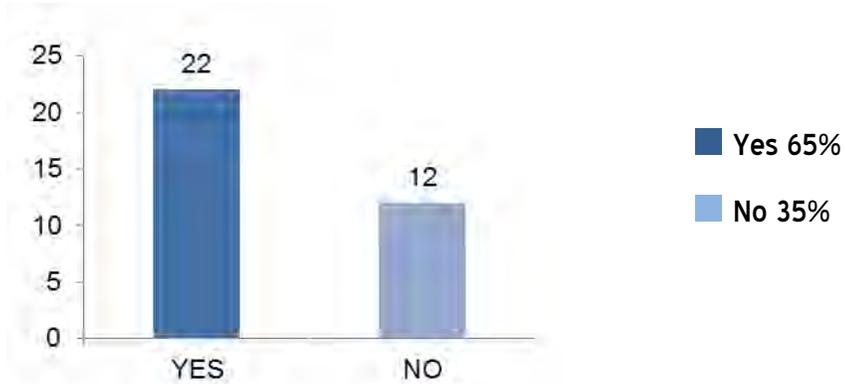
3-6 Please estimate your jurisdiction’s capital improvement needs for stormwater management over the following periods of time.

Period of Time	Estimated Need (total)	Average Need	# Respondents
Next 5 Years	\$1,443,660,028	\$12,889,822	111
Next 10 Years	\$3,118,330,701	\$35,037,424	89
Next 20 Years	\$3,105,498,921	\$41,966,202	74

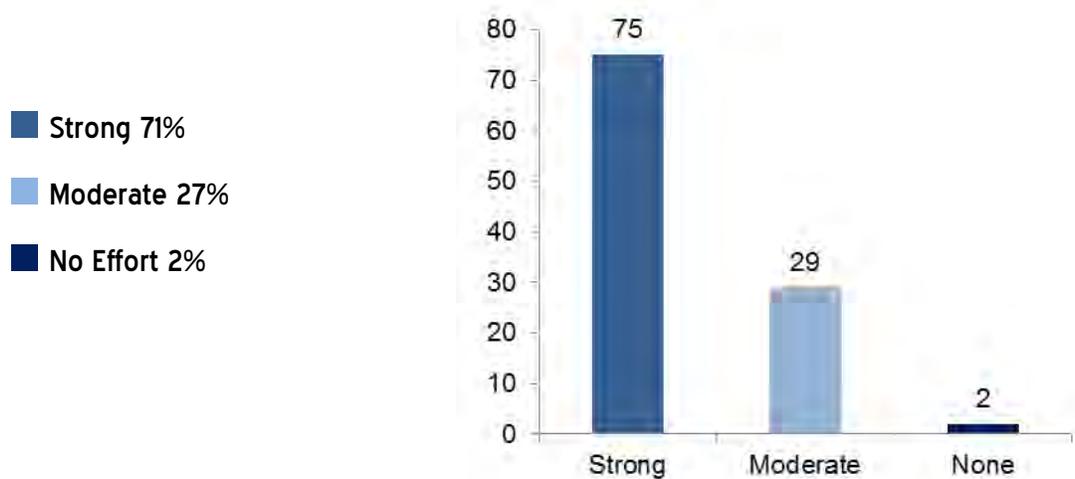
3-7 Does your jurisdiction have an adopted stormwater master plan?



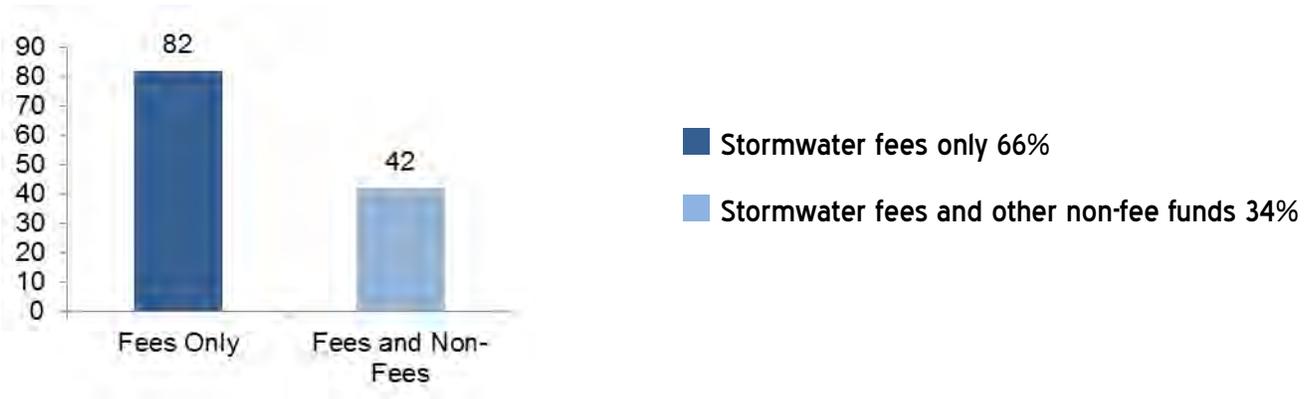
3-8 If your jurisdiction does not have an adopted stormwater master plan (i.e. you answered “No” to question 3-7) is the establishment of such a plan under active consideration?



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 Government Comprehensive Plan with your stormwater Master Plan and NPDES Program concepts?

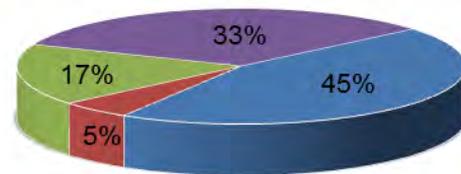


3-10 Is your stormwater operating budget funded only from stormwater fee revenue, or are other non-fee funds utilized?



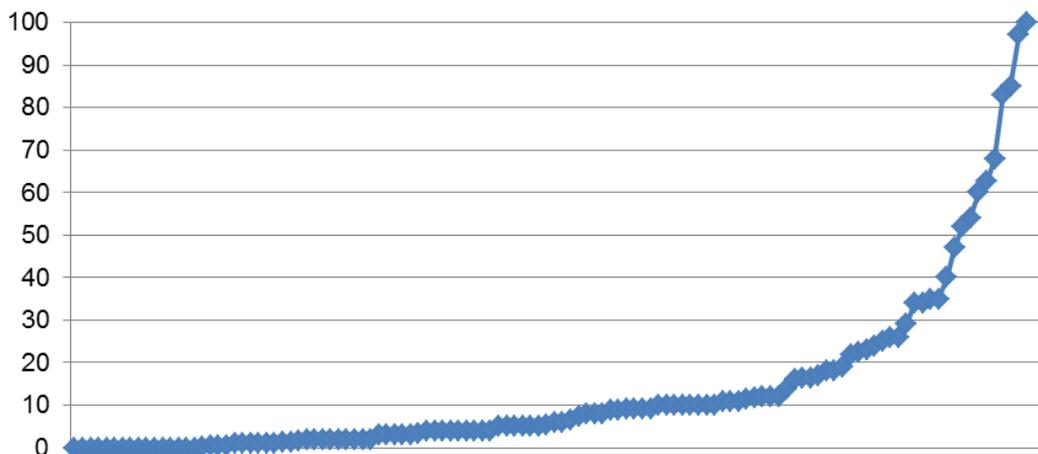
3-11 If non-fee funds are used for operations, what is the source of the revenue?

- Ad Valorem (26)
- Sales Tax (3)
- Gas Tax (10)
- Other (19)

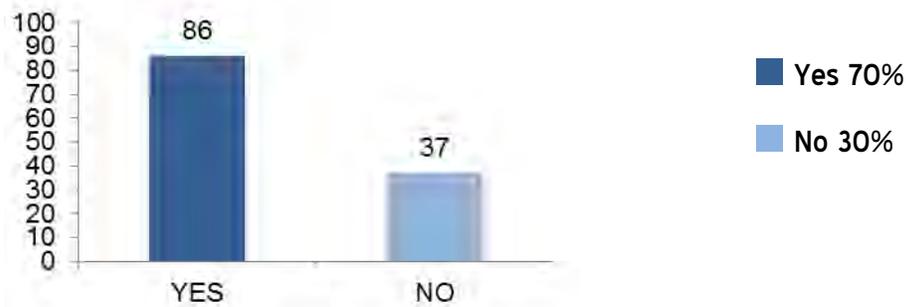


3-12 What is the current number of full-time equivalent employees funded with stormwater fee revenue?

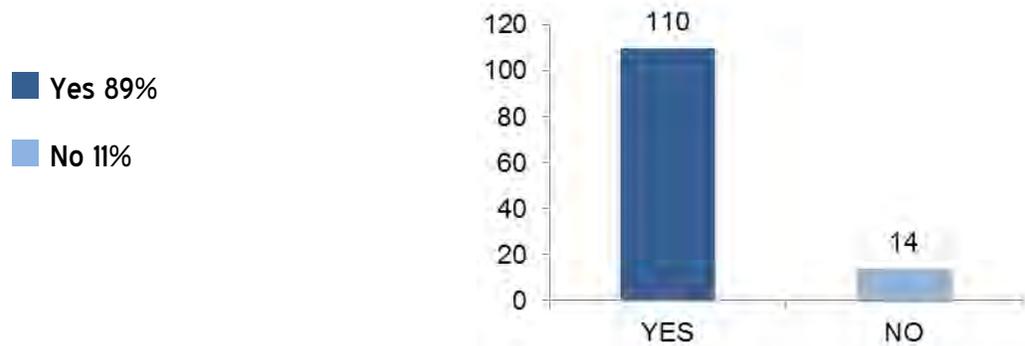
The City of Jacksonville (150), Miami-Dade County (100) and Pinellas County (108) are not included in the graph. Average reported 15.3 FTEs (2014 was 17.9).



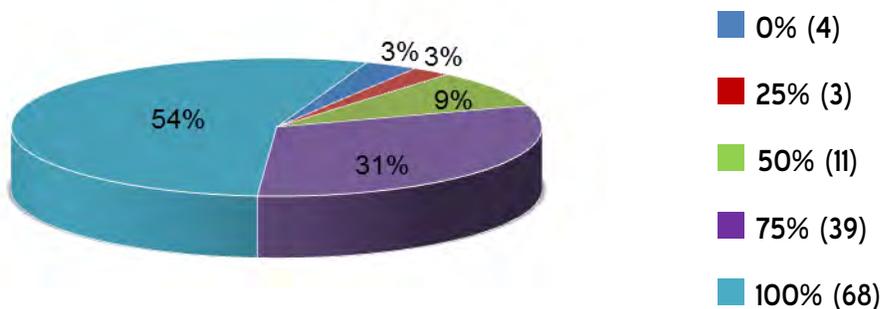
3-13 Does your jurisdiction monitor improvements in water quality?



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



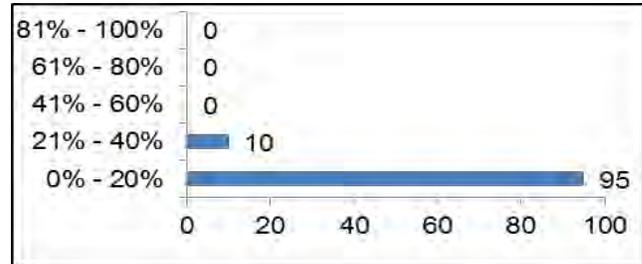
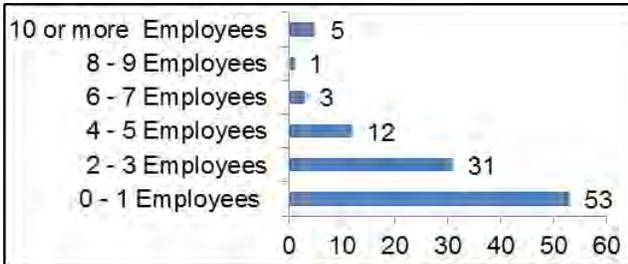
3-15 What percentage of your jurisdiction's stormwater facilities are mapped and inventoried?



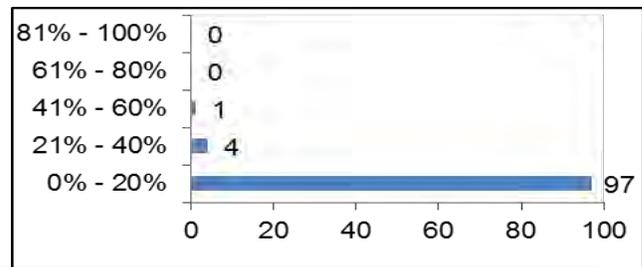
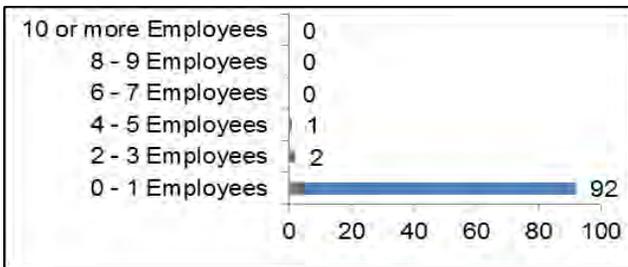
3-16 Estimate the number of employees (FTEs) and the percentage of your total stormwater program's annual budget allocated to the following program categories:

Number of Employees

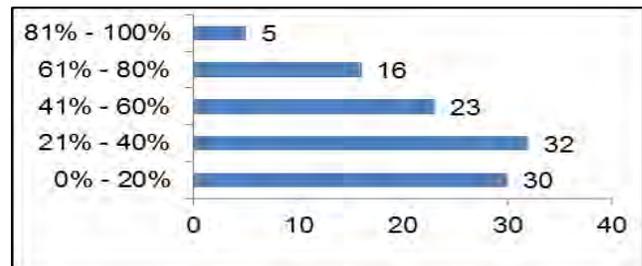
Percentage of Budget



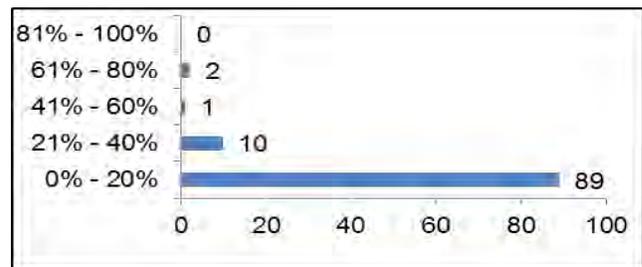
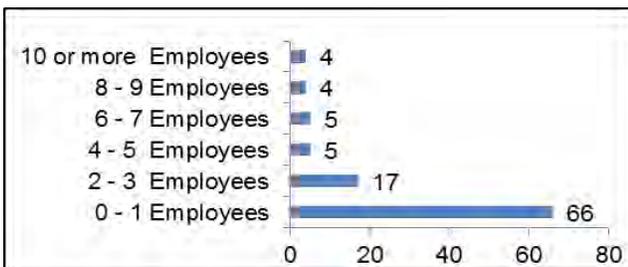
Administration (Management, Billing, Records, Etc.)



Overhead Charges (Indirect Cost Allocation) Paid to Parent Governmental Jurisdiction



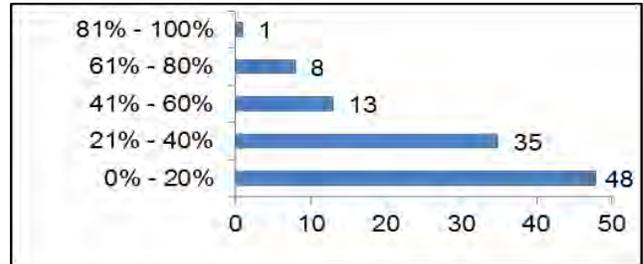
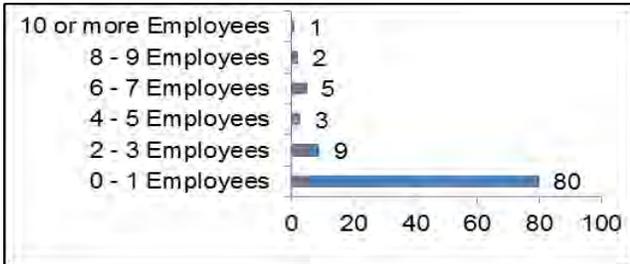
O. & M. (Field Activities)



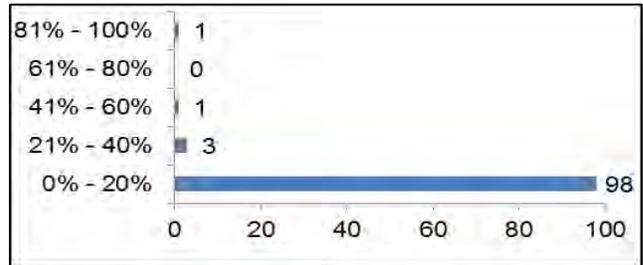
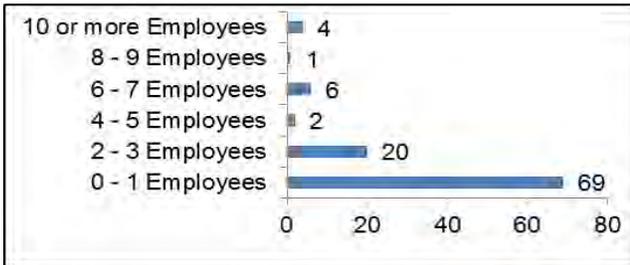
Technical (Planning Engineering)

Number of Employees

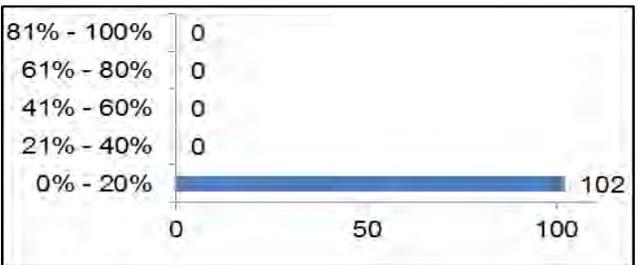
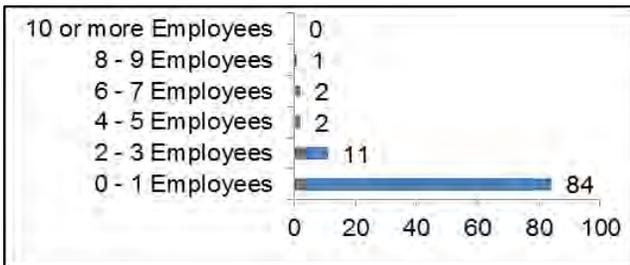
Percentage of Budget



C.I.P.



Monitoring, Permitting & Enforcement

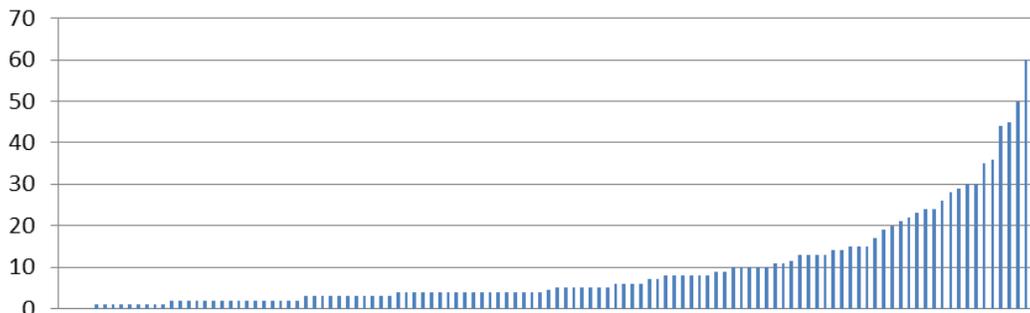


Public Education and Information

3-17 For Operations and Maintenance (field) personnel, how many received formal training or certification (from FSA, FDEP, FWPCOA, etc.)?

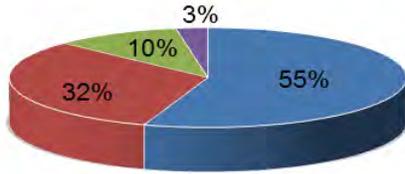
Average Number: 9.8

Average Percentage: 73%



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

Administration



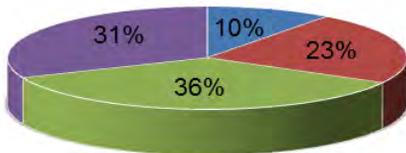
- Adequate to meet all needs (64)
- Adequate to meet most needs (37)
- Adequate to meet most urgent needs (12)
- Not adequate to meet urgent needs (3)

O. & M.

- Adequate to meet all needs (30)
- Adequate to meet most needs (49)
- Adequate to meet most urgent needs (33)
- Not adequate to meet urgent needs (9)



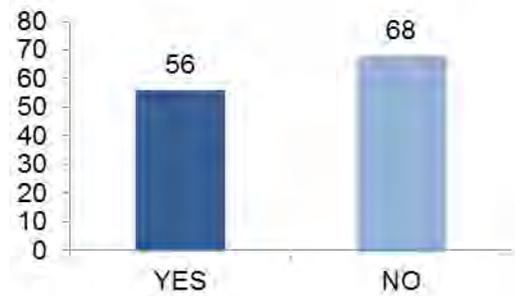
C.I.P



- Adequate to meet all needs (12)
- Adequate to meet most needs (27)
- Adequate to meet most urgent needs (42)
- Not adequate to meet urgent needs (37)

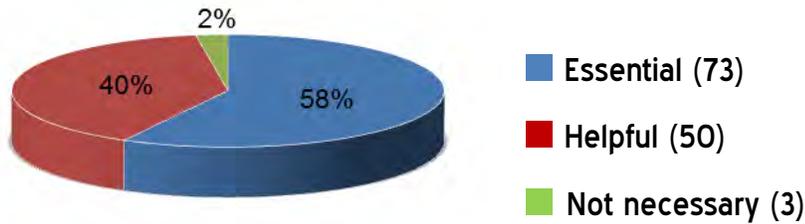
3-19 Does your utility manage the FEMA community rating system flood management program for your jurisdiction?

- Yes 45%
- No 55%

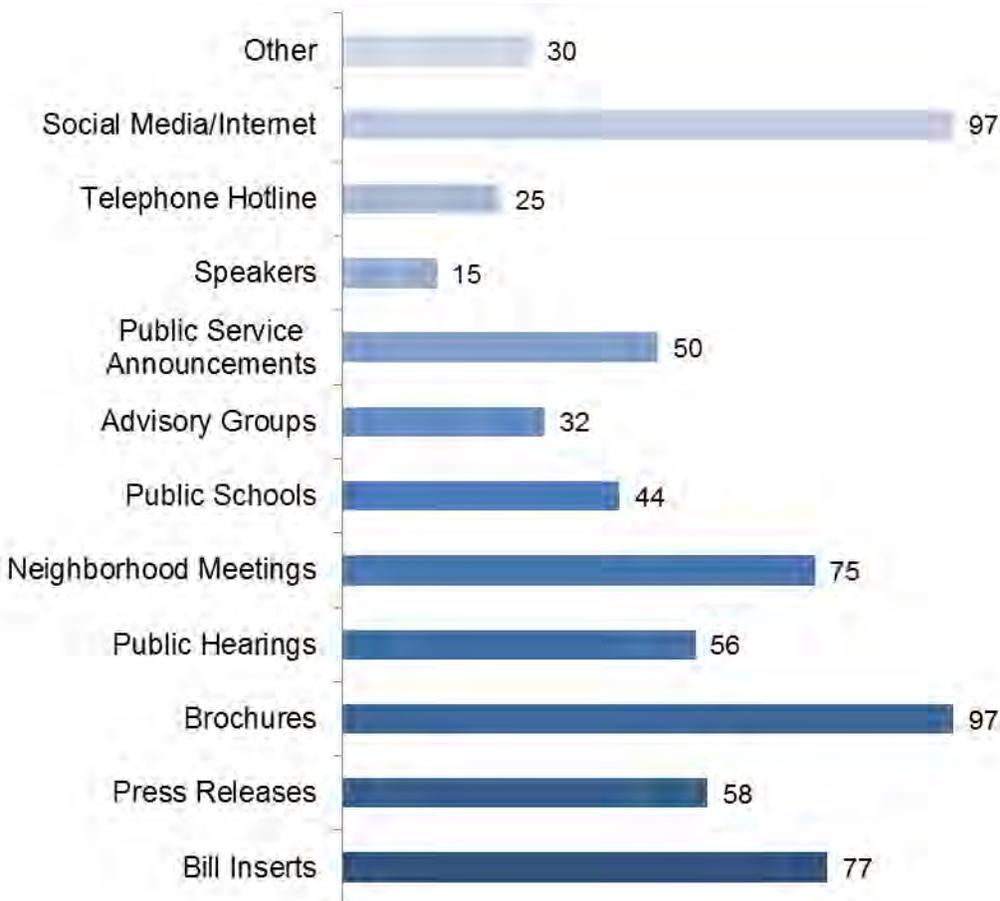


Public Information Effort

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



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



Appendix

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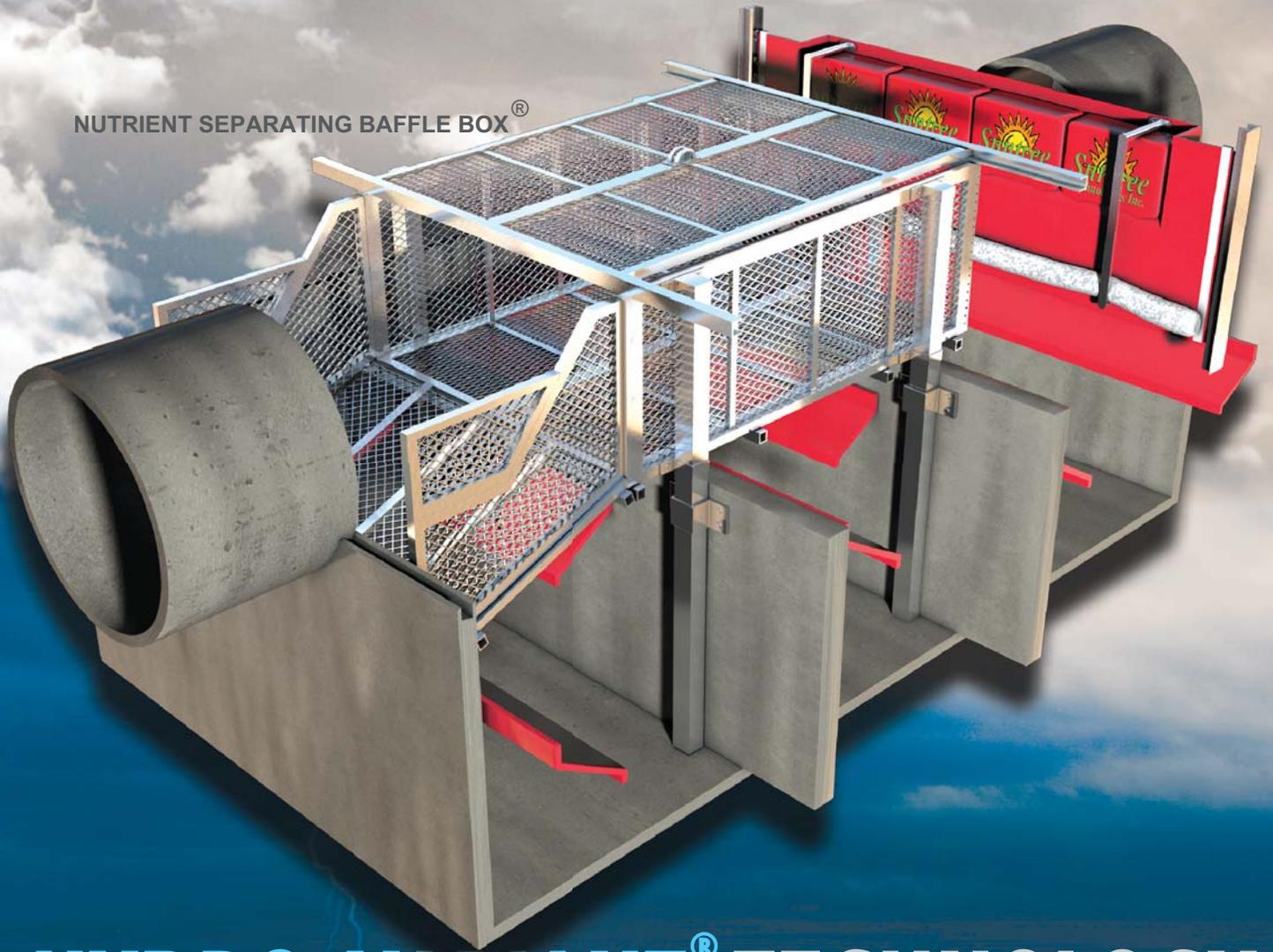
[2016 Survey of Stormwater Utilities](#)

The Stormwater Utilities Survey Report summarizes the results of the biennial survey of stormwater utilities in Florida conducted by FSA. Its purpose is to provide information to both managers and policymakers in state and local government. Trends in the characteristics of the stormwater programs, utility rates and other practices within local government can be observed by comparing FSA's survey results. All FSA member organizations and contributors receive one complimentary copy of the Report which is sent to the Primary Contact of the organization. New members receive their copy in their Welcome Packet. Additional copies can be [ordered online](#).

[Manual for Establishing Stormwater Utilities in Florida](#)

FSA's Manual "Establishing a Stormwater Utility in Florida" was first published in 1998, and revised in 2003 and 2013. It was initially prepared to assist communities that were considering the development and implementation of a stormwater utility as a means of providing supplemental or alternative funding for their stormwater management program. The current edition is also helpful for those jurisdictions with existing utilities that are considering changes to rates or rate structures. Manuals can be [ordered online](#).

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