

JUNE 14, 2016

KC Water Cost of Service Task Force

Meeting #3



Agenda

- Welcome and Introductions
- Guiding Principles
- Overview of Stormwater Utilities across the U.S.
- Overview of KC's Stormwater Utility
- KC's Stormwater Utility Financial Overview
- Follow-up Items from May 10th Meeting
- Public Comment
- Open Task Force Discussion



Welcome and Introductions



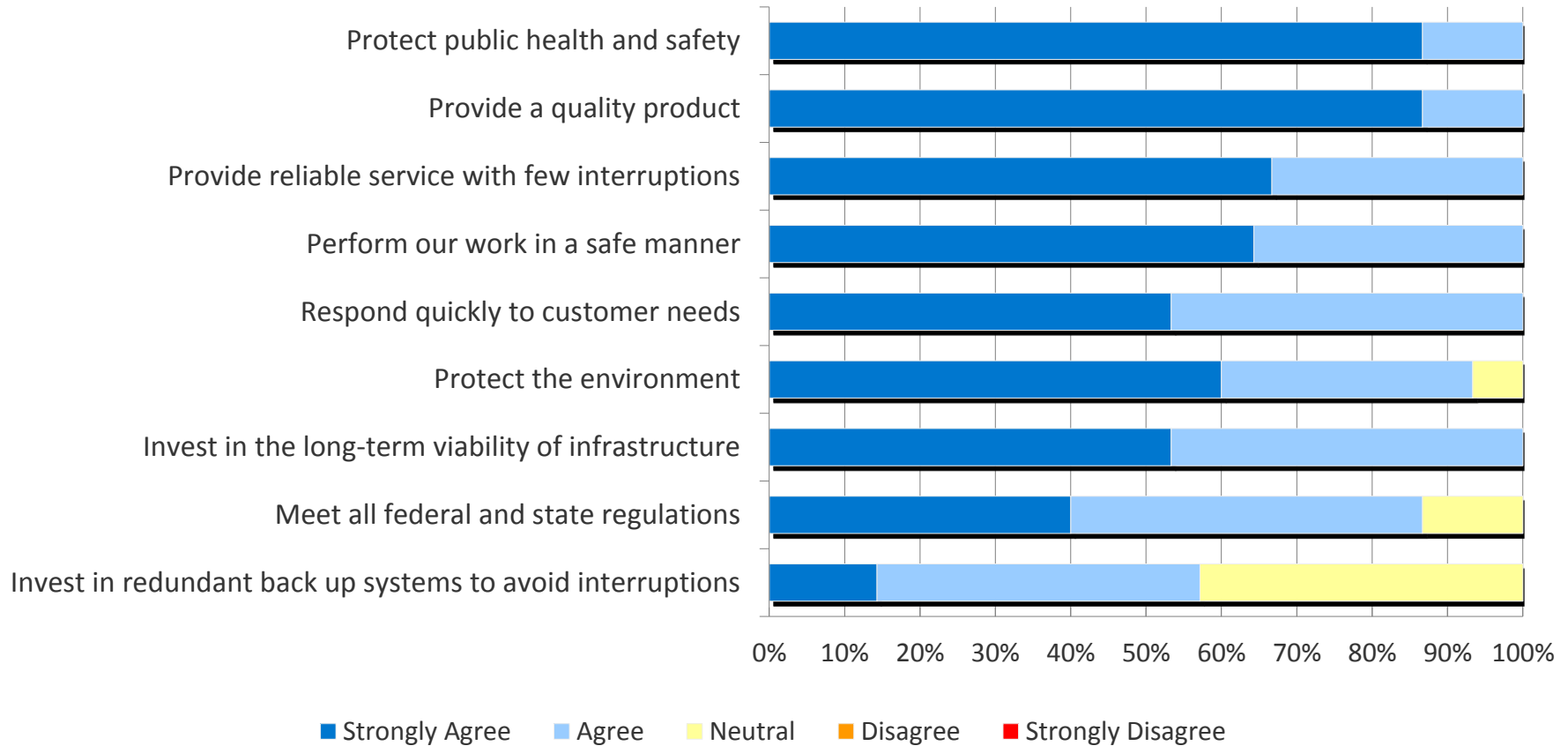
Guiding Principles

Questionnaire Overview

- Questionnaire designed to ask questions to help guide decision-making for this process
- Purpose was to identify common community values
- Results will help to draft guiding principles
- Asked to rate level of agreement with value and outcome statements

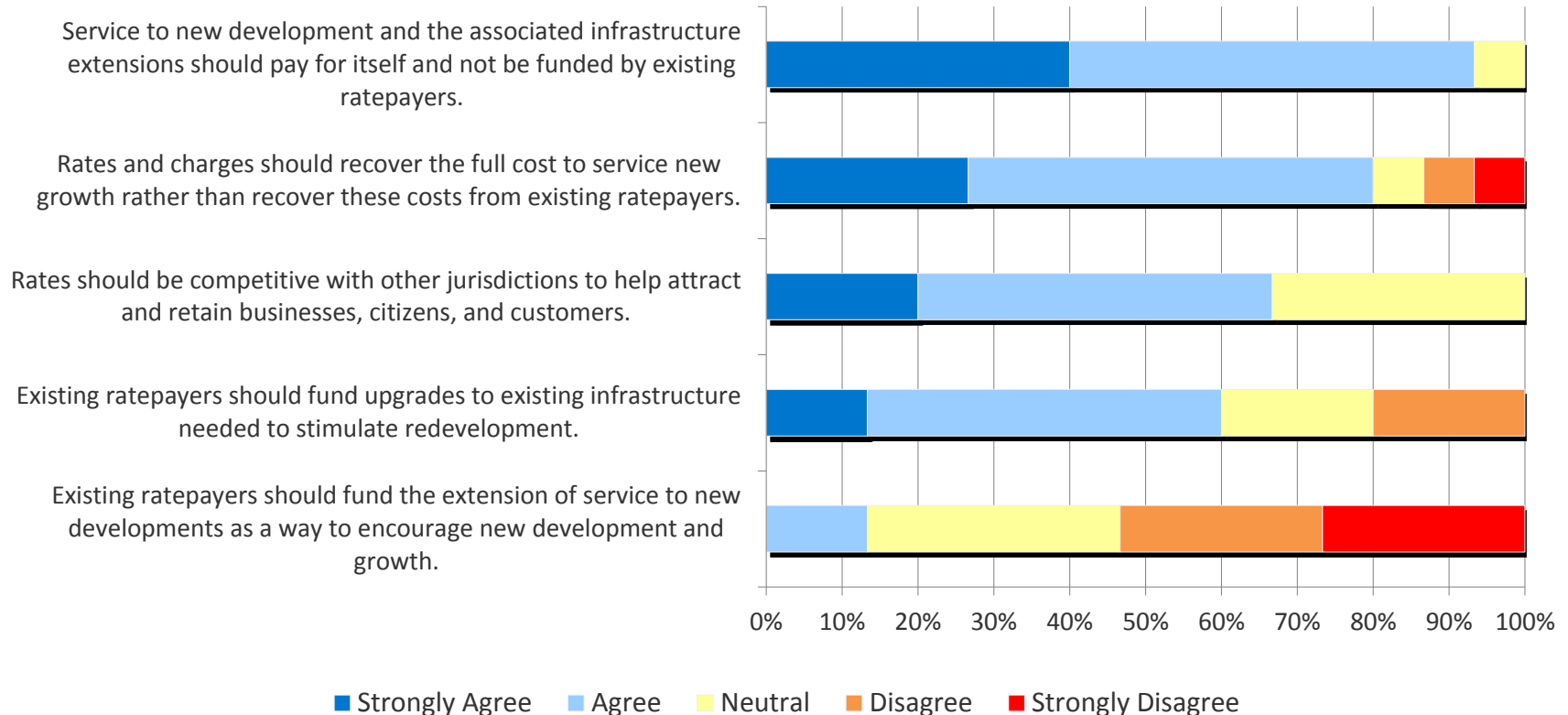
Questionnaire Responses - Outcomes

It is important to ...



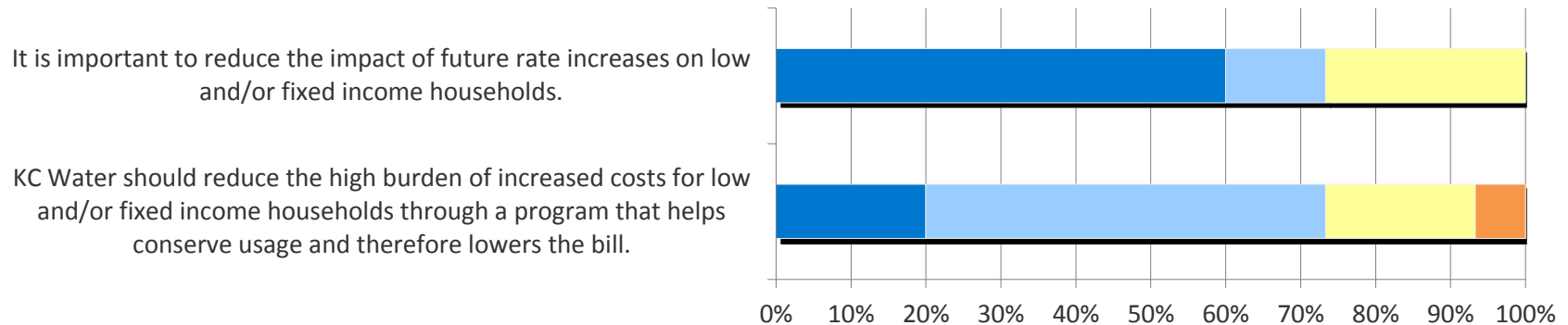
Questionnaire Responses - Values

Growth and Redevelopment

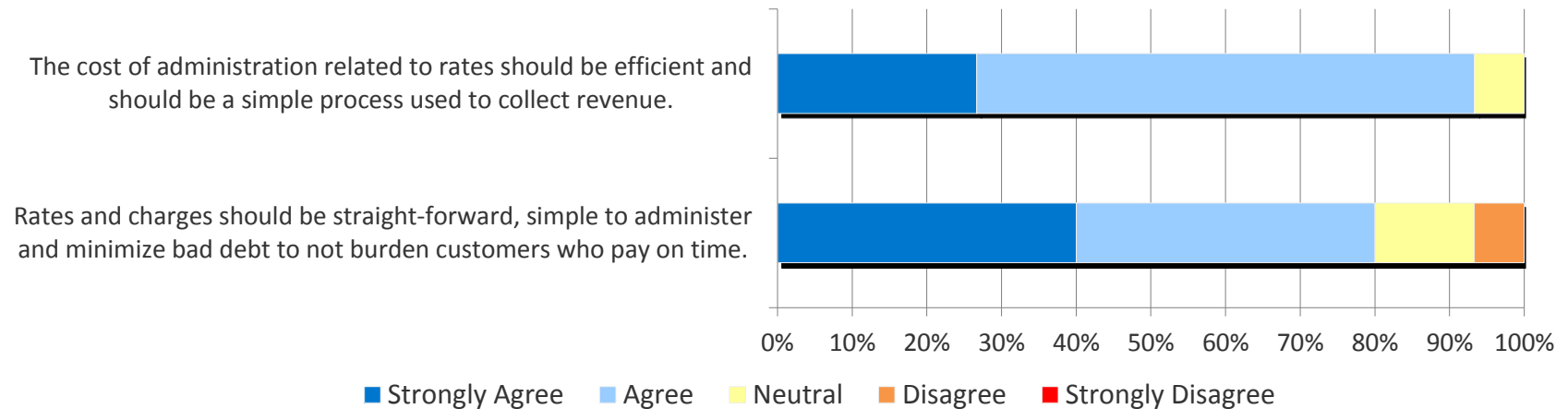


Questionnaire Responses - Values

Affordability

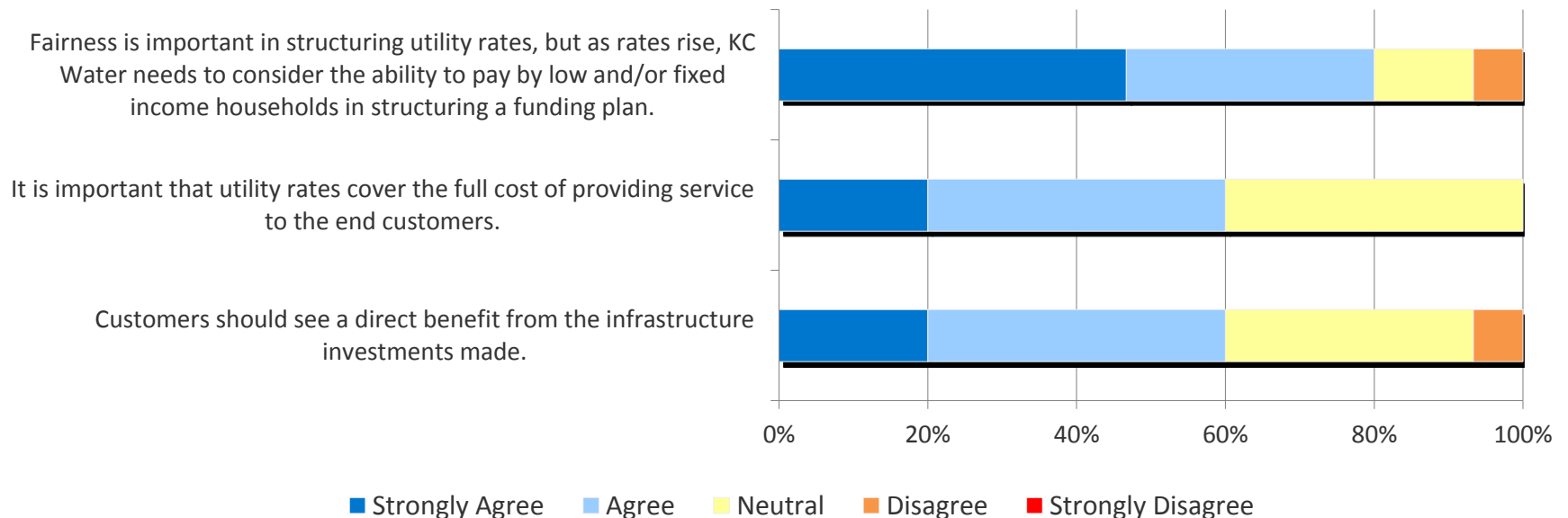


Administrative Cost



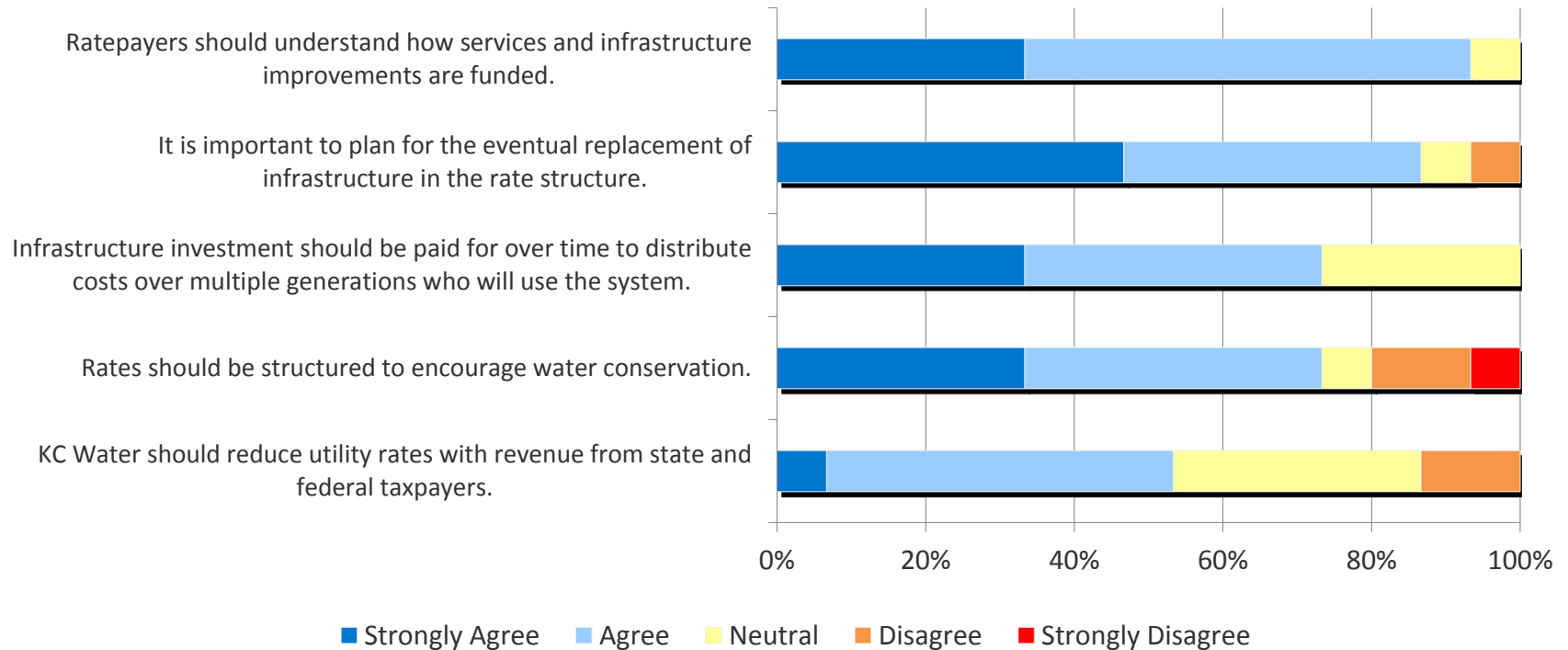
Questionnaire Responses - Values

Fair and Equitable



Questionnaire Responses - Values

Other

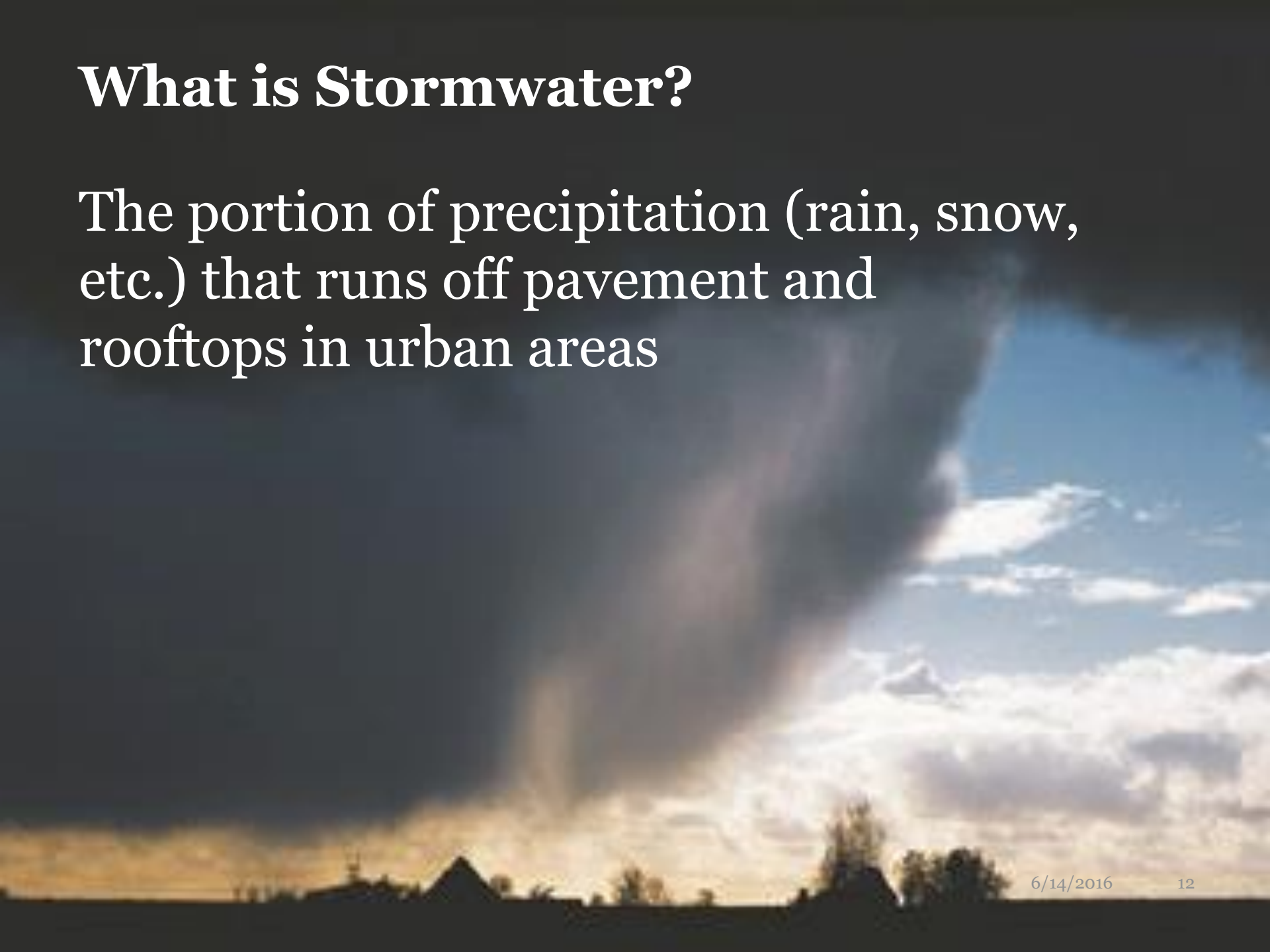




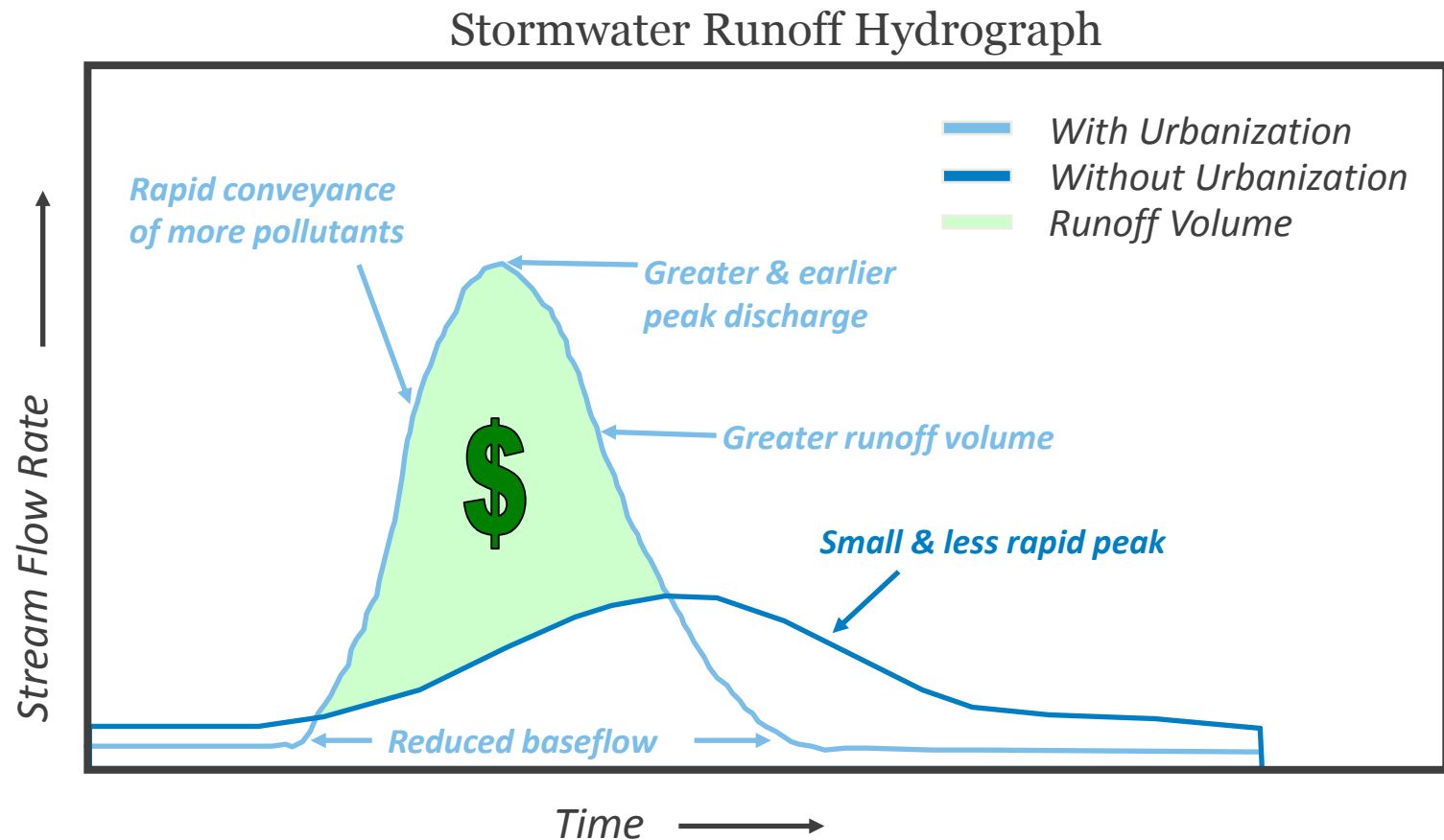
Stormwater Utilities in the U.S.

What is Stormwater?

The portion of precipitation (rain, snow, etc.) that runs off pavement and rooftops in urban areas



Stormwater Runoff is Natural but..... What Urbanization Does To Runoff is Not Natural



Stormwater Can Create Downstream Flooding Problems...



...Accelerates Erosion and Degradation of Streams...



**...And Also Carries Pollutants Into
Streams, Rivers and Lakes, Which
Impacts Water Quality**



Stormwater Management Spans Many Issues that Affect Quality of Life:

- Flooding
 - Public safety
 - Insurance costs
 - Development costs
- Stream Condition
 - Aesthetic value
 - Public safety
 - Habitat
- Water Quality
 - Drinking water
 - Recreation
 - Degradation



How do other stormwater utilities work?

- Most Stormwater Utilities based on Impervious Area of Customer's Property (~ 70% of 1,400 = 1,000)
- Of those, about 70% define a billing unit based on the average single family home impervious area (~700)
 - Average impervious area for a single family home is 4,200 square feet (Includes home, driveway, sidewalk, separated garage, etc.)
 - Billing Unit usually called Equivalent Runoff Unit or ERU

Note: Kansas City is based on impervious area on the customer's property; the billing unit is based on 500 square feet.

How do other stormwater utilities work?

- Estimated 1,800 Stormwater Utilities in United States
 - 4 in Missouri (Arnold, Columbia-Boone Co, St. Louis, KCMO)
 - State with Largest Number = Florida (180)
- Average Rate = \$4.20 per month per Billing Unit (ERU)
 - Largest = \$35.00/month
 - Smallest = \$0.01/month
- Average Billing Unit is 4,200 square feet of Impervious Area (Average for Single Family Home)

Note: Kansas City charges \$0.50 for each billing unit = 500 sq ft of impervious area

How do other stormwater utilities work?

- Common Practice (Average Billing Unit):
 - Residential pays 1 ERU
 - Non-residential pays 1 ERU for each 4,200 square feet

Other Stormwater Utilities in Missouri

<u>Community</u>	<u>ERU</u>	<u>Monthly Fee</u> <u>(\$/ERU/Month)</u>	<u>Creation</u> <u>Year</u>	<u>Annual</u> <u>Revenue</u>	<u>2010</u> <u>Population</u>	<u>Revenue Per</u> <u>Capita Per</u> <u>\$1/ERU/Month</u>
Arnold	1,750	\$3.00	2005	\$508,298	21,013	\$8.06
Columbia-Boone County		\$1.75	1993	\$1,582,500	115,273	\$7.84
Kansas City	500	\$0.50	1992	\$12,980,000	463,202	\$9.34
St. Louis Metropolitan Sewer District (MSD)	*				318,069	

Source: Western Kentucky Univ. Stormwater Utility Survey 2012

*Note: St. Louis MSD levies a stormwater tax

\$1.96 per \$100 valuation for Administration

\$6.78 per \$100 valuation for Districtwide Stormwater

\$0.055 to \$0.10 per \$100 valuation for O&M, CIP

Note: For Kansas City, average home assumed to be 2,500 square feet of impervious area.

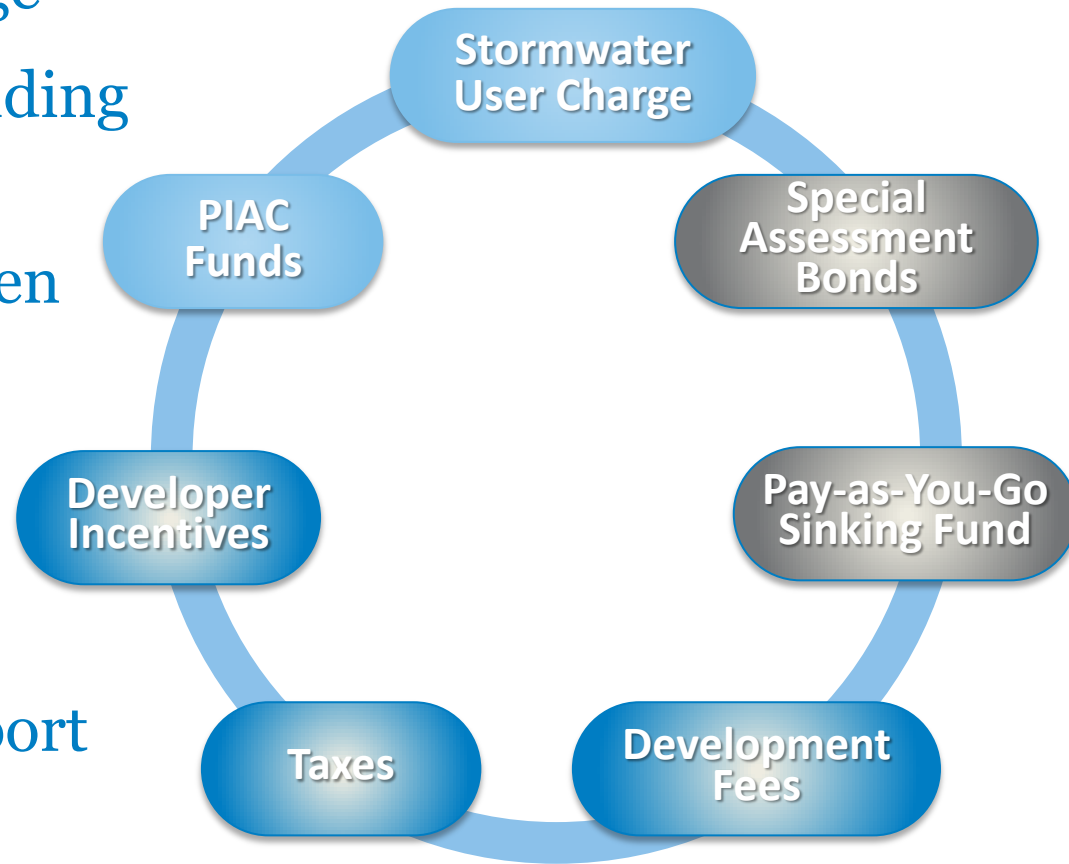
Defining an achievable *Level of Service* will drive the needed revenues

- Flood Management
 - New development vs redevelopment
 - Combined vs separate sewer areas
- Operation & Maintenance Costs
 - Administration
 - Maintenance
- Result: Prioritized long-term stormwater CIP
 - Flood severity
 - Water quality benefits



Sustainable stormwater funding includes all viable alternatives

- Restructure User Charge
- Evaluate additional funding sources
- Offer incentives for green infrastructure
- Consider affordability issues
- Implement public campaign to build support





KC Stormwater Utility

Stormwater Utility Goals



Improve Water Quality



Minimize Loss of Life and Property



Environmental Enhancements



Optimize Infrastructure

KC Stormwater Utility Snapshot

- 630 Miles of Storm Sewer
- 53,000 Storm Inlets
- 15 Stormwater Pump Stations
- 13.5 Miles of Levee (3rd Largest Levee System in U.S.)
- Stormwater Fee has remained unchanged since FY2003
- KC Aviation Department is largest customer
- FY2016 Unaudited Operating Revenue of \$13 Million
- FY2016 Unaudited Operating Expense of \$17 Million

Services Provided by Stormwater

- Street Sweeping
- Catch Basins Cleaning
- Household Hazardous Waste Dropoff
- Catch Basins Repair
- Flood Monitoring
- Flood Protection Improvements
- Maintain Levee Systems
- Maintain Green Infrastructure
- Leaf and Brush Pickup
- Municipal Separate Storm Sewer System (MS4) Permit Compliant
- Neighborhood Flood Improvements (PIAC Funded)

Stormwater Utility Service Area

Blue

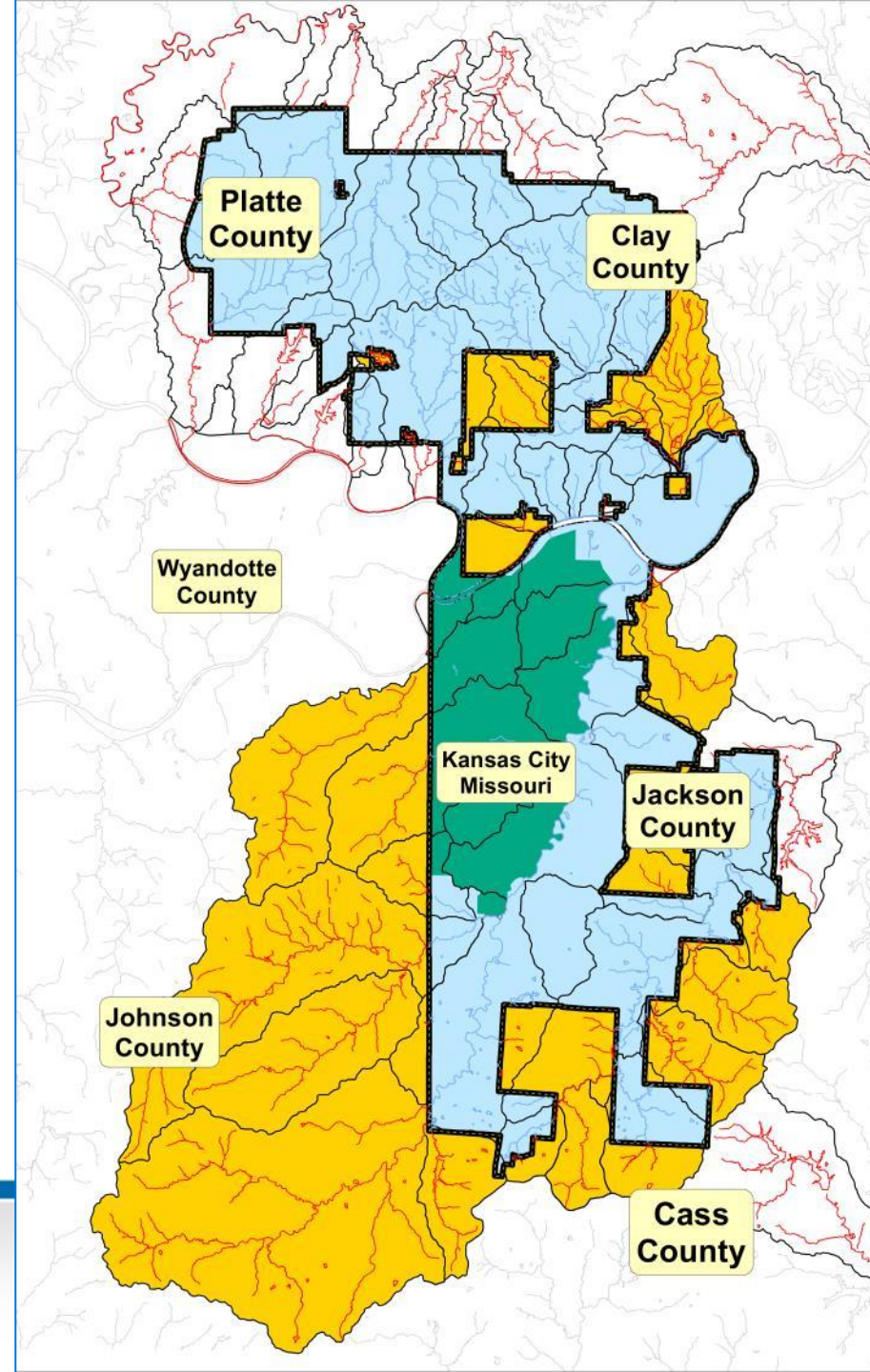
Kansas City separate storm sewer

Green

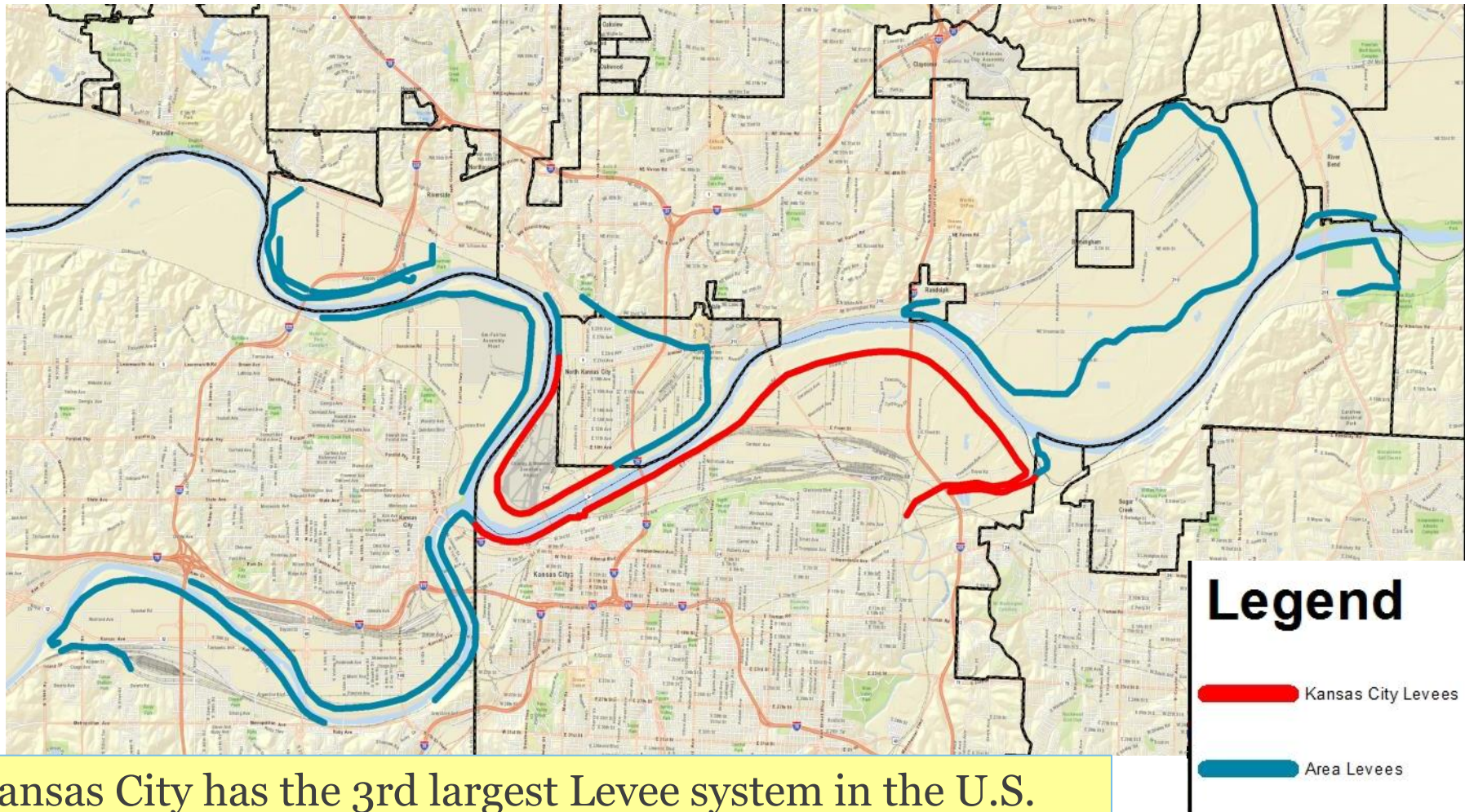
Kansas City combined sewer

Yellow

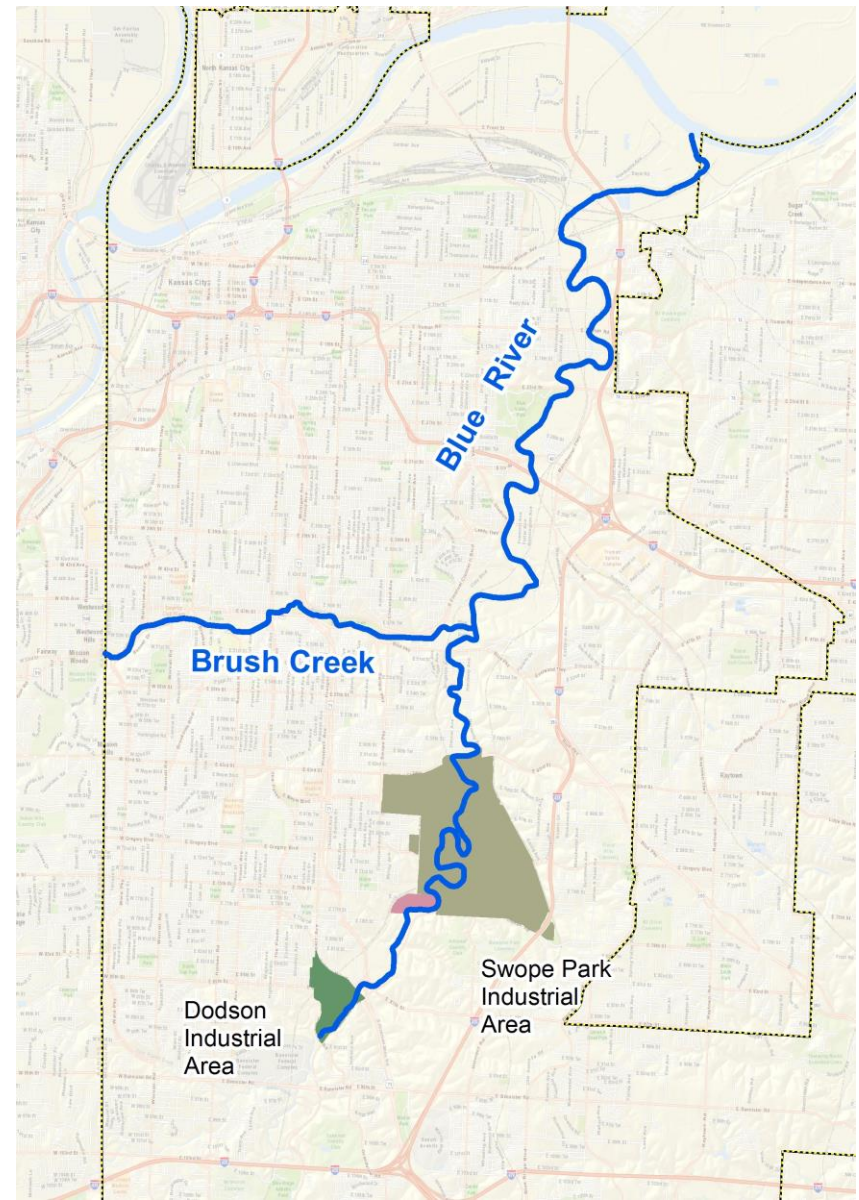
Outside city limits



Kansas City Levee Map



Federally Funded Flood Control Improved Channels



History of the Residential Stormwater Fee

\$1.42 Flat Fee

Began May 1, 1992

Monthly, per connection



\$0.35 per 500 sq. ft.

Began May 1, 1999

\$1.75 per month, average residential



\$0.38 per 500 sq. ft.

Began May 1, 2000

\$1.90 per month, average residential



\$0.50 per 500 sq. ft.

Began May 1, 2003

\$2.50 per month, average residential

Stormwater Fee Monthly Caps



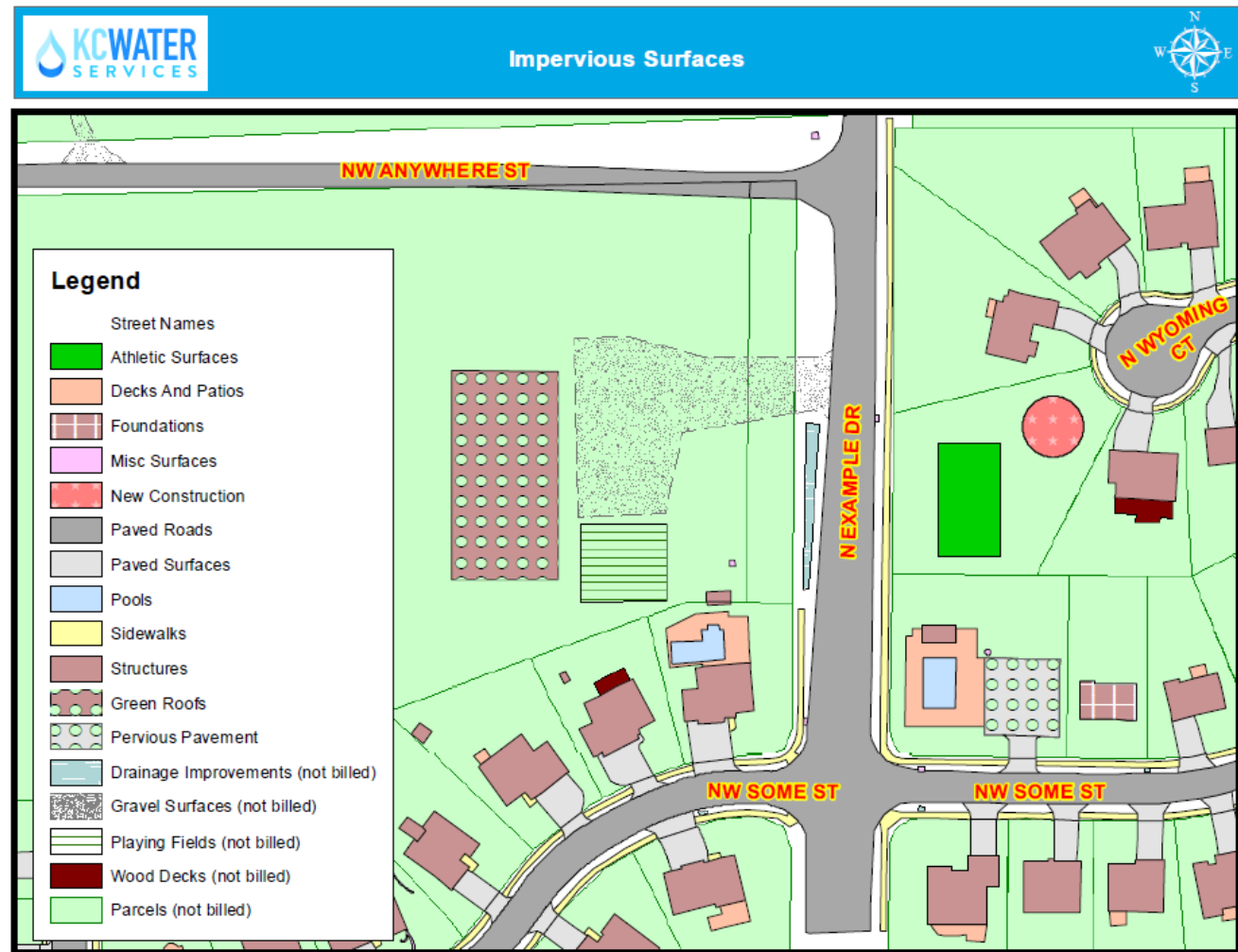
Stormwater Credits

- Kansas City Water Services offers two types of stormwater fee credits:
 - **Ratio Credit**
 - 30:1 pervious/impervious
 - **Detention Credit**
 - Stormwater detention structures

Impervious Area

Current Fee

- \$0.50 per 500 square feet
- Average \$2.50 per month per connection



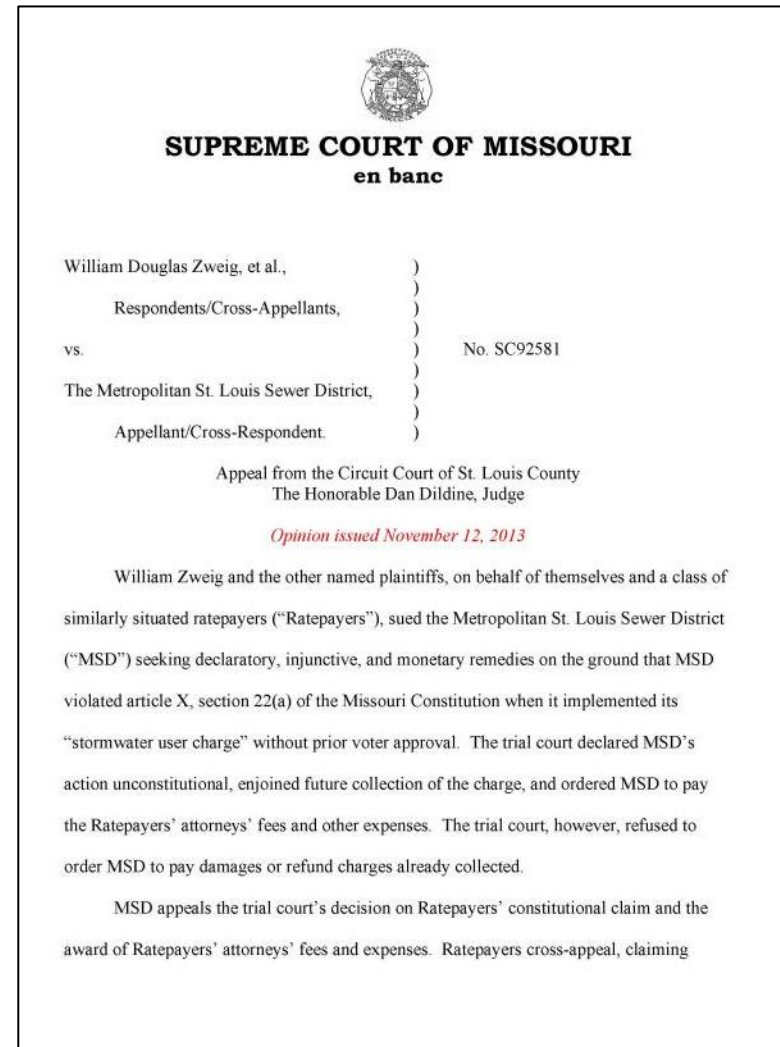
KC One

- Comprehensive city-wide stormwater management plan released in 2010:
 - Offered funding recommendations
 - Identified need of \$1.8 Billion in long term funding
 - Part of Wet Weather Solutions Program
 - Established priorities
- Evaluated options to fund Stormwater going forward including:
 - Stormwater user fee and sales tax
 - State and Federal grant funding
 - System Development Charges

Stormwater Fee vs. Tax

- Zweig et al. vs. The Metropolitan St. Louis Sewer District
- SC 92581, issued November 12, 2013
- St Louis stormwater fee prior to the case was \$2.29/100 sq. ft. annually

Comparison of monthly fee:
Kansas City \$0.50/500 sq. ft.
St Louis \$0.95/500 sq. ft.



Tax Exempt Changes

- Missouri Supreme Court ruled that Stormwater fee is a tax
- Application and verification process
- Tax exempt entities (examples)
 - Schools
 - Churches
 - Governments
 - Not-for-Profits
- If all eligible accounts took advantage of tax exemption, the impact would be roughly a 12% decline on stormwater revenue (approximately \$1.5 million).



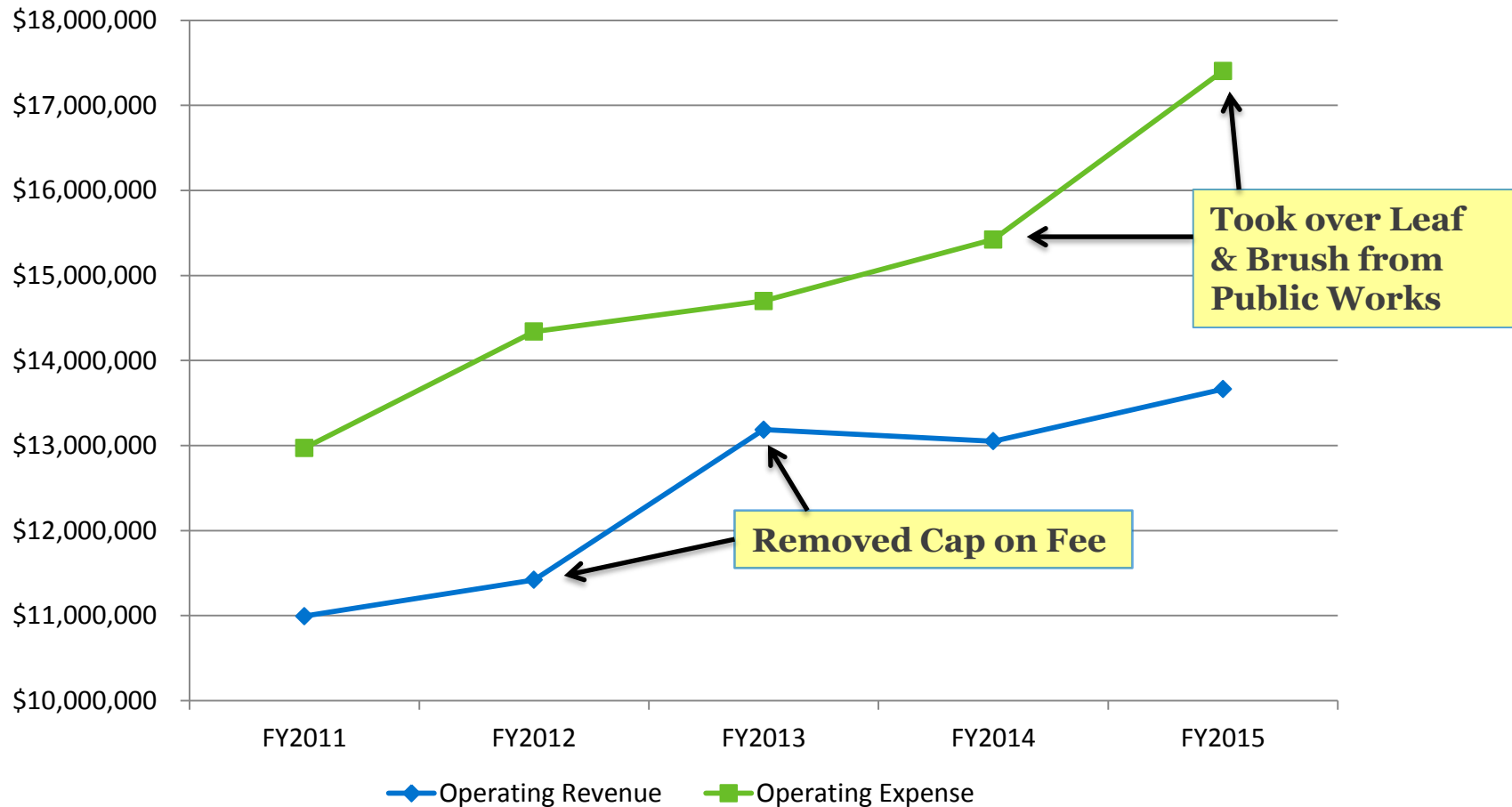
Stormwater Utility Financial Overview

Historical Stormwater Operations

Operating Revenues	FY2011	FY2012	FY2013	FY2014	FY2015
Stormwater Charges	\$10,380,081	\$11,306,712	\$12,648,966	\$12,866,145	\$12,980,290
Other Operating Revenues	\$613,553	\$114,667	\$537,770	\$185,018	\$684,196
<i>Total Operating Revenues</i>	<i>\$10,993,634</i>	<i>\$11,421,379</i>	<i>\$13,186,736</i>	<i>\$13,051,163</i>	<i>\$13,664,486</i>
Operating Expenses					
Treatment and Pumping	\$241,635	\$493,150	\$179,473	\$173,515	\$40,746
Maintenance	\$4,854,040	\$5,154,068	\$6,006,356	\$6,080,719	\$6,141,035
Household Hazardous Waste	\$0	\$0	\$0	\$0	\$371,363
Administrative & General	\$3,428,343	\$3,933,517	\$3,769,854	\$4,496,245	\$5,150,124
Depreciation & Amortization	\$4,446,305	\$4,760,206	\$4,745,647	\$4,672,628	\$5,703,121
<i>Total Operating Expenses</i>	<i>\$12,970,323</i>	<i>\$14,340,941</i>	<i>\$14,701,330</i>	<i>\$15,423,107</i>	<i>\$17,406,389</i>
Operating Income	(\$1,976,689)	(\$2,919,562)	(\$1,514,594)	(\$2,371,944)	(\$3,741,903)
Non-Operating Revenues (Expenses)					
Interest Income	\$293,540	\$285,134	\$75,867	\$41,664	\$190,324
Interest Expense and Fiscal Agent Fees	(\$103,815)	(\$95,956)	(\$16,230)	(\$78,432)	(\$70,301)
Other	\$33,394	(\$11,683)	\$2,900	\$191,303	(\$1,731)
<i>Total Non-Operating Revenues (Expenses), Net</i>	<i>\$223,119</i>	<i>\$177,495</i>	<i>\$62,537</i>	<i>\$154,535</i>	<i>\$118,292</i>
Excess of Revenues Over (Under) Expenses Before Capital Contribution	(\$1,753,570)	(\$2,742,067)	(\$1,452,057)	(\$2,217,409)	(\$3,623,611)

Operating Revenue vs. Operating Expense

KC Stormwater Financials (FY2011 to FY2015)



Top Stormwater Customers (FY2015), excludes City properties

Rank	Customer	Runoff Units	Estimated Annual Revenue
1	Jackson County Sports Authority	12,850	\$77,100
2	US Dept of Energy (Bannister Complex)	12,150	\$72,900
3	Cedar Fair (Worlds of Fun)	8,017	\$48,102
4	Norfolk Southern Railroad (South)	6,780	\$40,680
5	Fedex Ground Package System	6,529	\$39,174
6	Honeywell	5,278	\$31,668
7	Leeds Industrial Park	5,140	\$30,840
8	Norfolk Southern Railroad (North)	4,993	\$29,958
9	Kansas City Southern Railroad	4,756	\$28,536
10	AK Asset Corporation	3,741	\$22,446

Note: 1 Runoff Unit = 500 Square Feet



Follow Up from May 10th Meeting

Water Utility Debt Metrics

KC Water's 4-year average Debt Service Coverage Ratio is right in line with the average AA-rated water utility in the U.S.

Medians for U.S. Water Utilities

Metric	2011	2012	2013	2014	4-Year Average
System Size (O&M in 000s)	\$6,694	\$6,768	\$7,121	\$7,384	\$6,992
Annual Debt Service Coverage	1.8	2	2	2	2.0
Days Cash on Hand	288	302	333	365	322
Debt to Operating Revenue	2.3	2.2	2.1	2.2	2.2

Source: Moody's Investors Service, "Municipal Water and Sewer Utilities - US, March 17, 2016.

Medians for Aa-Rated U.S. Water and Sewer Utilities

Metric	2011	2012	2013	2014	4-Year Average
System Size (O&M in 000s)	\$16,259	\$16,777	\$17,312	\$17,958	\$17,077
Annual Debt Service Coverage	1.9	2.0	2.0	2.1	2.0
Days Cash on Hand	354	392	420	441	402
Debt to Operating Revenue	2.5	2.4	2.2	2.2	2.3

Source: Moody's Investors Service, "Municipal Water and Sewer Utilities - US, March 17, 2016.

KC Water's Water Utility Debt Metrics

Metric	FY2011	FY2012	FY2013	FY2014	4-Year Average
System Size (O&M in 000s)	\$75,201	\$87,043	\$93,075	\$99,647	\$88,742
Annual Debt Service Coverage	1.8	1.9	2.4	2.0	2.0
Days Cash on Hand	129	200	291	298	235
Debt to Operating Revenue	2.0	2.1	2.0	2.0	2.0

Source: KC Water Fund Audited Financials.

Historical Water Usage by Retail Class

Breakdown of Retail Customer Class Water Volumes by Fiscal Year

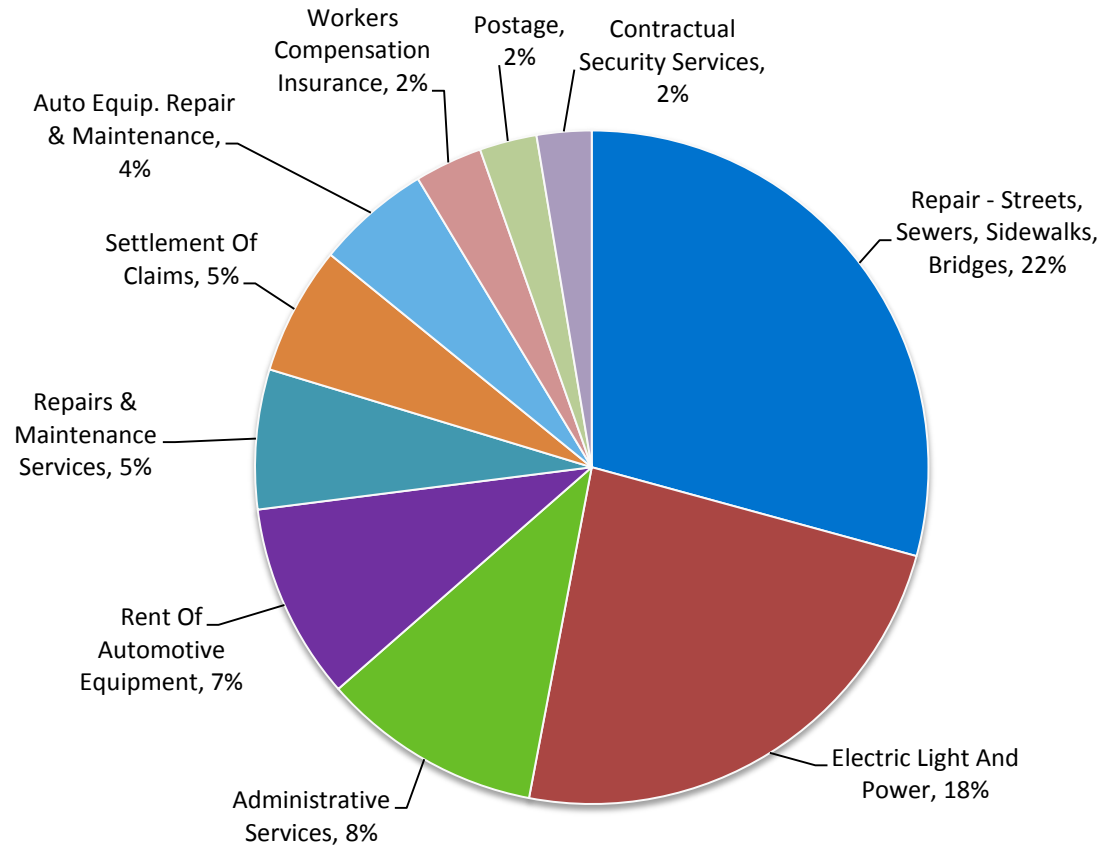
<u>Inside City</u>	<u>2011</u> <u>CCF</u>	<u>2012</u> <u>CCF</u>	<u>2013</u> <u>CCF</u>	<u>2014</u> <u>CCF</u>	<u>2015</u> <u>CCF</u>	<u>2015</u> <u>% of Usage</u>
Residential	11,503,077	11,117,776	12,151,378	10,701,936	9,774,760	32%
Commercial	12,692,893	12,152,128	12,957,017	12,080,251	11,544,558	37%
City Services	604,336	552,120	812,762	585,818	678,555	2%
Seasonal Off Peak	445,433	403,892	443,030	454,705	451,767	1%
<i>Total Inside City</i>	<i>25,245,739</i>	<i>24,225,916</i>	<i>26,364,187</i>	<i>23,822,710</i>	<i>22,449,640</i>	<i>73%</i>
<u>Outside City</u>						
Residential	112,715	110,802	121,086	102,497	93,914	0%
Commercial	840,079	810,656	1,045,702	643,016	850,499	3%
<i>Subtotal Outside City</i>	<i>952,794</i>	<i>921,458</i>	<i>1,166,788</i>	<i>745,513</i>	<i>944,413</i>	<i>3%</i>
<u>Other</u>						
Wholesale	7,776,893	8,951,813	10,434,607	8,590,431	7,482,148	24%
Total Water Usage	33,975,426	34,099,187	37,965,582	33,158,654	30,876,201	100%

Source: Black & Veatch KCMO Water Utility Report on Revenue Requirements, Cost of Service and Rates for Water Service (03/07/16)

Notes: 1) 1 CCF equals 748 Gallons.

FY2017 Budget for Contractual Services – Water Utility

- Top 10 categories represent 76% of Contractual Services Budget for the Water Utility.
- These categories subtotal to \$36.3M



Water Main Breaks per Year

- Annual water main breaks have declined by 50% since FY2012.

<u>Month</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>FY2015</u>	<u>FY2016</u>
May	82	108	66	55	45
June	96	125	55	61	52
July	183	268	98	81	77
August	188	310	98	102	81
September	170	204	155	80	68
October	185	175	157	88	107
November	197	156	148	105	103
December	188	163	122	70	69
January	150	158	151	67	82
February	111	64	150	50	71
March	73	77	89	51	44
April	71	47	81	46	42
Total	1,694	1,855	1,370	856	841

Main Breaks per 100 miles

- With the exception of FY2013, main breaks per 100 miles have peaked in the October / November timeframe over the last 5 years.

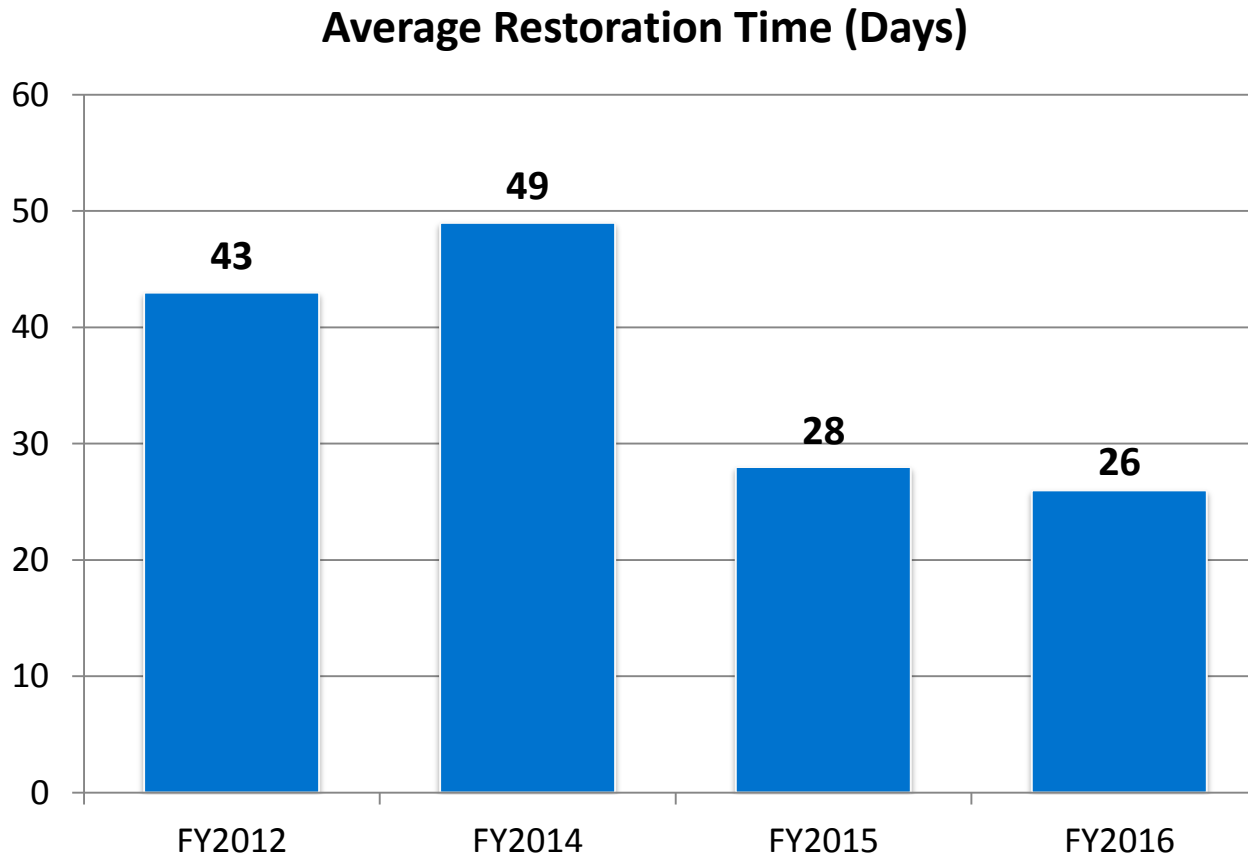
<u>Month</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>FY2015</u>	<u>FY2016</u>
May	3	3.9	2.4	2	1.6
June	3.5	4.5	2	2.2	1.9
July	6.6	9.7	3.5	2.9	2.7
August	6.8	11.2	3.5	3.7	2.9
September	6.1	7.4	5.6	2.9	2.4
October	6.7	6.3	5.7	3.2	3.8
November	7.1	5.6	5.3	3.8	3.7
December	6.8	5.9	4.4	2.5	2.5
January	5.4	5.7	5.5	2.4	2.9
February	4	2.3	5.4	1.8	2.5
March	2.6	2.8	3.2	1.8	1.6
April	2.6	1.7	2.9	1.7	1.5
Total	61.2	67.0	49.4	30.9	30.0

Call Abandonment Rate

- Over the last 3 years, calls abandoned in our call center have averaged 5%.

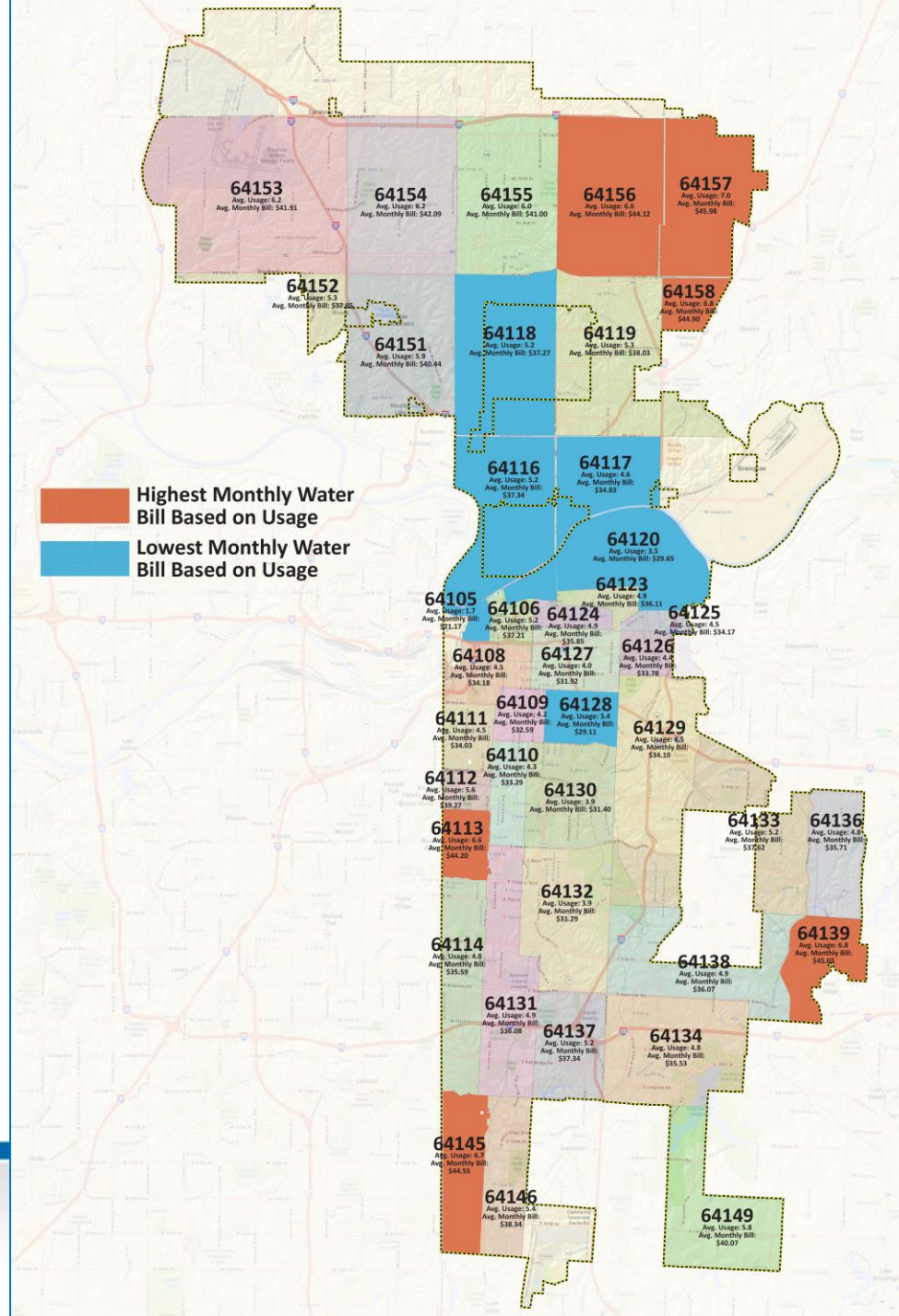
<u>Month</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>FY2015</u>	<u>FY2016</u>
May	15%	11%	4%	4%	3%
June	14%	12%	3%	3%	4%
July	19%	10%	4%	5%	5%
August	26%	16%	4%	4%	7%
September	34%	16%	5%	7%	2%
October	27%	5%	3%	3%	2%
November	28%	3%	4%	2%	6%
December	14%	2%	4%	4%	5%
January	22%	3%	2%	5%	7%
February	20%	5%	2%	4%	9%
March	18%	4%	9%	6%	8%
April	8%	4%	5%	3%	12%
<i>Annual Average</i>	<i>20%</i>	<i>8%</i>	<i>4%</i>	<i>4%</i>	<i>6%</i>

Average Restoration Response Time



Residential Water Usage by Zip Code

- KC Water does not charge different rates to different parts of the city.



North of the River

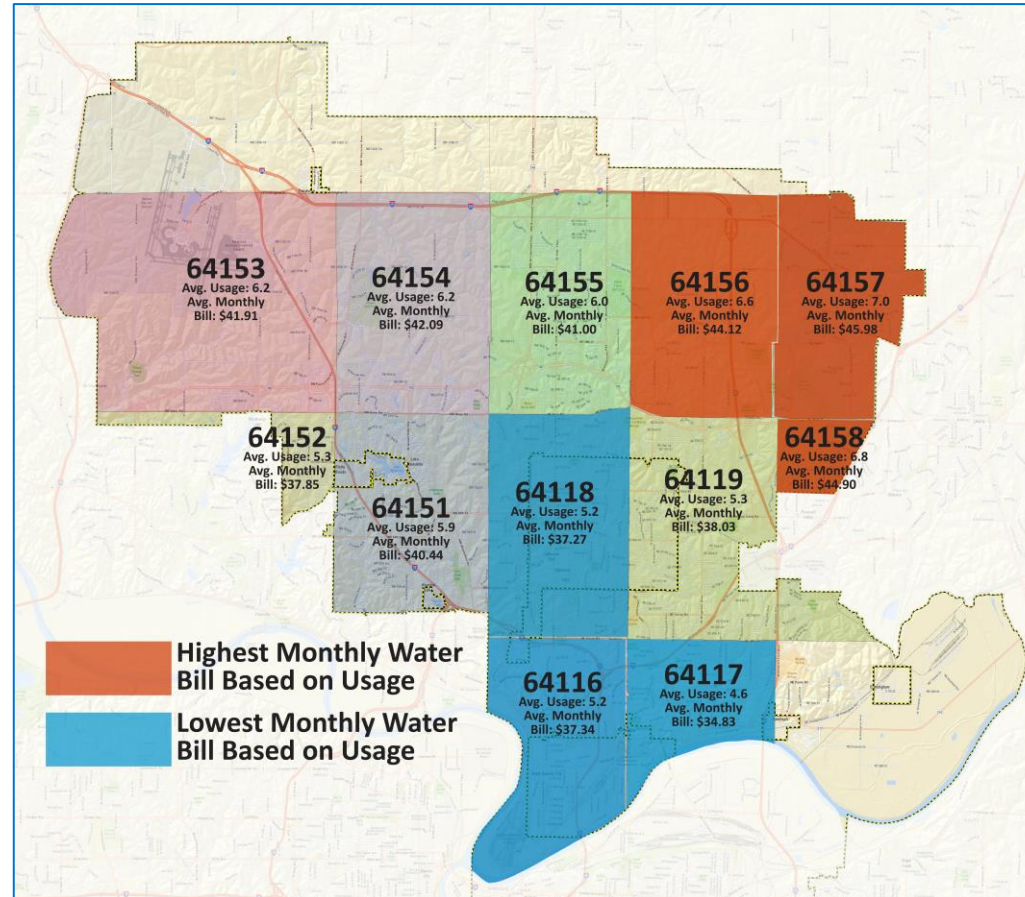
Average Monthly Water Usage and Bill by Zip Code

Highest Monthly Water Bill

64157	7.01 CCF	\$45.98
64158	6.78 CCF	\$44.90
64156	6.62 CCF	\$44.12

Lowest Monthly Water Bill

64117	4.64 CCF	\$34.83
64118	5.17 CCF	\$37.27
64116	5.18 CCF	\$37.34



South of the River

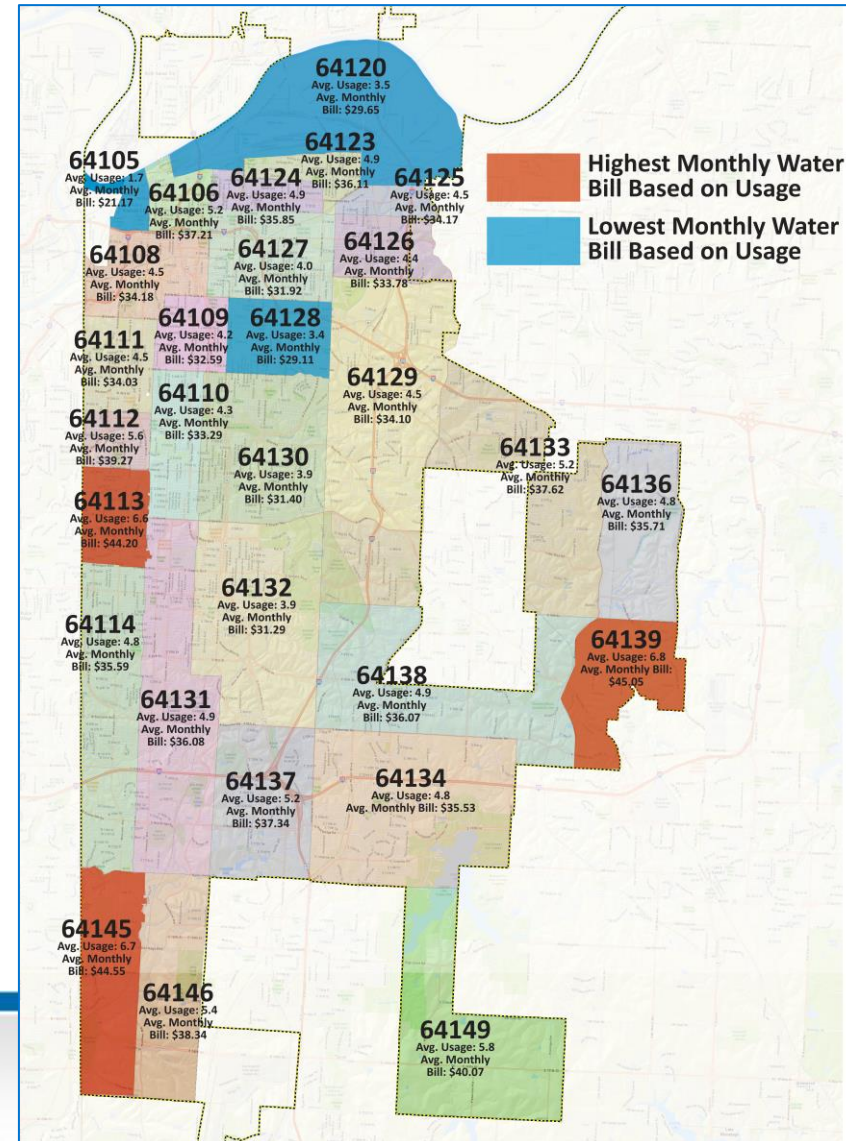
Average Monthly Water Usage and Bill by Zip Code

Highest Monthly Water Bill

64139	6.82 CCF	\$45.05
64145	6.71 CCF	\$44.55
64113	6.64 CCF	\$44.20

Lowest Monthly Water Bill

64105	1.67 CCF	\$21.17
64128	3.39 CCF	\$29.11
64120	3.51 CCF	\$29.65



Water Usage and Households by Zip Code

Rank	ZIP	HH Size	No. of 5/8" Meters	CCFs FY16	Average Monthly CCFs FY16	Average Monthly Bill FY16
1	64157	3.1	6,307	530,237	7.01	\$45.98
2	64139		464	37,947	6.82	\$45.05
3	64158	3.1	1,292	105,177	6.78	\$44.90
4	64145	2.4	1,995	160,691	6.71	\$44.55
5	64113	2.4	3,883	309,312	6.64	\$44.20
6	64156		3,574	284,032	6.62	\$44.12
7	64154	2.2	2,456	182,867	6.20	\$42.09
8	64153	2.4	1,178	87,181	6.17	\$41.91
9	64155	2.7	7,377	529,193	5.98	\$41.00
10	64151	2.3	6,718	472,167	5.86	\$40.44
11	64149		127	8,803	5.78	\$40.07
12	64112	1.5	1,330	89,425	5.60	\$39.27
13	64146	1.9	452	29,284	5.40	\$38.34
14	64119	2.5	7,931	507,615	5.33	\$38.03
15	64152	2.6	2,692	171,022	5.29	\$37.85
16	64133	2.3	6,158	387,547	5.24	\$37.62
17	64116	2.1	3,335	207,391	5.18	\$37.34
18	64137	2.4	2,975	184,980	5.18	\$37.33
19	64118	2.3	6,217	385,497	5.17	\$37.27
20	64106	2.6	212	13,113	5.15	\$37.21
21	64123	2.7	3,284	193,704	4.92	\$36.11

Rank	ZIP	HH Size	No. of 5/8" Meters	CCFs FY16	Average Monthly CCFs FY16	Average Monthly Bill FY16
22	64131	2.2	6,647	391,489	4.91	\$36.08
23	64138	2.4	3,775	222,254	4.91	\$36.07
24	64124	2.7	3,199	186,533	4.86	\$35.85
25	64136		550	31,862	4.83	\$35.71
26	64114	1.9	9,409	542,311	4.80	\$35.59
27	64134	2.6	7,919	455,039	4.79	\$35.53
28	64117	2.3	4,429	246,499	4.64	\$34.83
29	64108	2.4	1,190	64,199	4.50	\$34.18
30	64125	2.9	792	42,697	4.49	\$34.17
31	64129	2.5	2,847	153,000	4.48	\$34.10
32	64111	1.7	3,007	161,022	4.46	\$34.03
33	64126	2.7	1,751	92,636	4.41	\$33.78
34	64110	2.5	5,064	261,464	4.30	\$33.29
35	64109	2.4	2,529	125,962	4.15	\$32.59
36	64127	2.7	5,711	274,445	4.00	\$31.92
37	64130	2.5	9,500	443,596	3.89	\$31.40
38	64132	2.6	5,185	240,567	3.87	\$31.29
39	64120		177	7,458	3.51	\$29.65
40	64128	2.6	4,966	202,172	3.39	\$29.11
41	64105	1.4	4	80	1.67	\$21.17

Average Monthly Water Bills (KC Area)

- KC Water is slightly above the average of \$41 per month for 25 KC metro area water utilities for average monthly bills.

*Note: Based on average monthly usage of 7 CCFs.
Rates effective May 1, 2016*

Utility	Monthly Charge	KC Water Sells To:
Jackson County PWSD #16	\$66.39	
Jackson County PWSD #15	\$56.89	
Jackson County PWSD #13	\$51.03	
Cass County PWSD #6	\$50.52	X
Cass County PWSD #3	\$49.65	X
Raytown Water Company	\$48.54	X
Belton, MO	\$48.26	X
KC Water	\$46.59	
Smithville, MO	\$45.68	
Jackson County PWSD #1	\$45.34	X
Jackson County PWSD #2	\$44.70	X
Bonner Springs, KS	\$42.01	
Platte #4	\$40.58	X
Cass County PWSD #2	\$40.02	X
Jackson County PWSD #12	\$39.10	X
Clay County PWSD #2	\$38.77	X
Platte City, MO	\$37.66	X
Raymore, MO	\$35.08	X
Liberty, MO	\$32.33	X
Johnson County (WaterOne)	\$32.20	
Olathe, KS	\$30.55	
Blue Springs, MO	\$30.36	X
Lee's Summit, MO	\$29.51	X
Independence, MO	\$27.15	
Gladstone, MO	\$26.03	

Annual Water Bill Comparison

Rank	Utility	System	State	Owner	Annual Bill	
1	Flint	FLINT, CITY OF	MI	Public	\$ 910.05	
2	Padre Dam Municipal Water District	PADRE DAM MWD	CA	Public	\$ 826.94	
3	American Water	PA AMERICAN WATER CO WEST	PA	Private	\$ 792.84	
4	American Water	PA AMER WATER CO-PITTSBURGH	PA	Private	\$ 792.84	
5	American Water	PAWC LAKE SCRANTON	PA	Private	\$ 792.84	
6	American Water	PA AMERICAN NORRISTOWN	PA	Private	\$ 792.84	
7	Aqua America	AQUA PA MAIN SYSTEM	PA	Private	\$ 782.38	
8	Goleta Water District	GOLETA WATER DISTRICT	CA	Public	\$ 736.62	
9	American Water - Monterey	CAL AM WATER COMPANY - MONTEREY	CA	Private	\$ 716.18	
10	American Water	WVAWC-KANAWHA VALLEY DIST	WV	Private	\$ 710.63	
11	American Water	WVAWC - HUNTINGTON DIST	WV	Private	\$ 710.63	
12	Artesian Water Company	37 Kansas City Board of Public Utilities	KANSAS CITY BOARD OF PUBLIC UTILITIES	KS	Public	\$ 544.21
13	Escondido	38 Golden State Water Company - Southwest	GSWC - SOUTHWEST	CA	Private	\$ 543.23
14	United Water - New Rochelle	39 Helix Water District	HELIX WATER DISTRICT	CA	Public	\$ 542.42
15	Santa Maria	40 San Jose Water Company	SAN JOSE WATER COMPANY	CA	Private	\$ 538.82
16	United Water - NY	41 Otay Water District	OTAY WATER DISTRICT	CA	Public	\$ 537.88
17	Vista Irrigation District	42 Las Vegas Valley Water District	LAS VEGAS VALLEY WATER DISTRICT	NV	Public	\$ 534.61
18	Henderson	43 Santa Barbara	CITY OF SANTA BARBARA WATER DEPARTMENT	CA	Public	\$ 533.89
19	Anchorage	44 Oceanside	OCEANSIDE, CITY OF	CA	Public	\$ 531.33
20	Santa Cruz	45 Vallejo	CITY OF VALLEJO	CA	Public	\$ 526.80
21	American Water	46 United Water	UNITED WATER PENNSYLVANIA	PA	Private	\$ 523.17
22	American Water	47 American Water - Service Area 2	NJ AMERICAN WATER - RARITAN	NJ	Private	\$ 521.98
23	Vallecitos Water District	48 Aqua America	AQUA OHIO - MASSILLON PWS	OH	Private	\$ 519.52
24	San Diego	49 American Water - Service Area 2 resale	NJ AMERICAN WATER - LIBERTY	NJ	Private	\$ 519.29
25	American Water	50 Kansas City	KANSAS CITY	MO	Public	\$ 516.47
26	Bellevue	51 Wichita Falls	CITY OF WICHITA FALLS	TX	Public	\$ 516.43
27	Seattle	52 United Water	UNITED WATER TOMS RIVER	NJ	Private	\$ 515.93
28	California Water Service Company - Bayshore Mid Peninsul	53 White House Utility District	WHITE HOUSE UTILITY DISTRICT	TN	Public	\$ 512.64
29	San Francisco	54 South Central Connecticut Regional Water Authority	REGIONAL WATER AUTHORITY	CT	Public	\$ 510.21
30	San Francisco	55 Nashua	PENNICHUCK WATER WORKS	NH	Public	\$ 508.77
31	American Water - Service Area 1	56 Aquarion Water Company - Eastern	AQUARION WATER CO OF CT-MAIN SYSTEM	CT	Private	\$ 494.28
32	American Water - Service Area 1	57 Consolidated Utility District of Rutherford County	CONSOLIDATED U D OF RUTHERFORD	TN	Public	\$ 493.02
33	American Water - Service Area 1	58 Newton	NEWTON WATER DEPT. (MWRA)	MA	Public	\$ 487.11
34	American Water - Service Area 1	59 Contra Costa Water District	CONTRA COSTA WATER DISTRICT	CA	Public	\$ 487.08
35	American Water - Service Area 1	60 Pittsburgh Water and Sewer Authority	PITTSBURGH WATER & SEWER AUTH	PA	Public	\$ 484.97
36	Charlotte County	61 Hayward	CITY OF HAYWARD	CA	Public	\$ 483.59
		62 Oconee County	OCUD/EASTERN WATER SYSTEM (1 WP)	FL	Public	\$ 482.40
		63 Sweetwater Authority	SWEETWATER AUTHORITY	CA	Public	\$ 481.22
		64 American Water - San Diego	CALIFORNIA-AMERICAN WATER CO	CA	Private	\$ 480.05
		65 Golden State Water Company - Region 3	GOLDEN STATE WC - WEST ORANGE	CA	Private	\$ 479.57
		66 California Water Service Company - East LA	CALIFORNIA WATER SERVICE CO. - ELA F	CA	Private	\$ 479.18
		67 Naperville	NAPERVILLE	IL	Public	\$ 478.88
		68 American Water	KENTUCKY-AMERICAN WATER CO	KY	Private	\$ 478.71
		69 San Gabriel Valley Water Company	SAN GABRIEL VALLEY WATER CO.-EL MONTE	CA	Private	\$ 478.55

Source: Food and Water Watch

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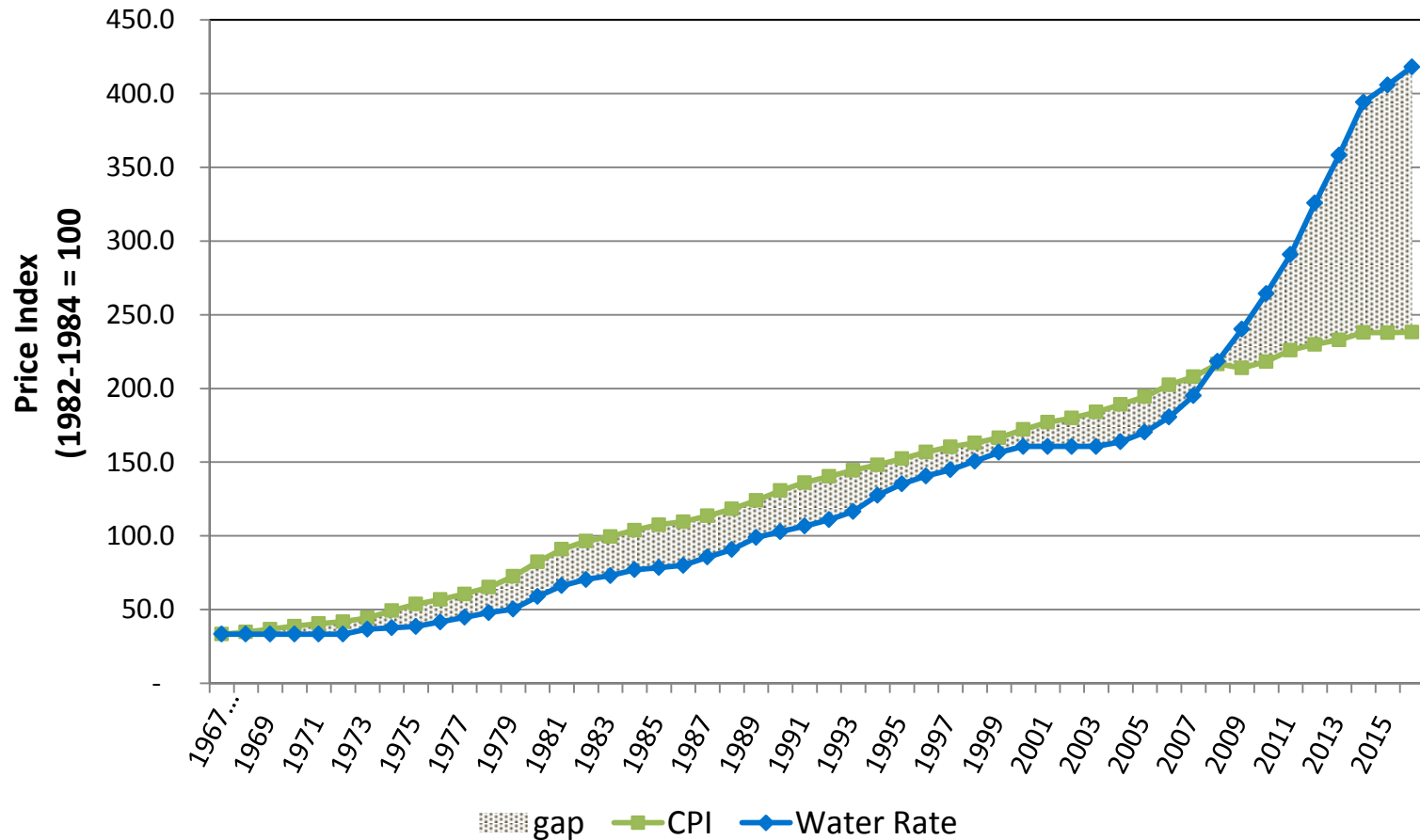
Source: www.foodandwaterwatch.org/sites/default/files/water_rate_survey-ranking.pdf

6/14/2016

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Historical KC Water Rates vs. Inflation

Water Rate Increase vs. Consumer Price Index (CPI)





Public Comment



Task Force Discussion



Adjourned