



2016 Colorado Municipal Water and Wastewater Rate Survey Results

Overview

The Division of Local Government (DLG) conducted a 32 question survey of local utility practices during the month of October, 2016. Responses were received from 32% of those surveyed, or 27% of all municipalities, and are organized into four tables at the back of this report. The Colorado Municipal League (CML) and Special District Association (SDA) have conducted surveys in prior years, and for several categories this survey's results are compared to trends established by past surveys. The DLG wants to thank the survey respondents for their contributions to this year's effort.

Key Findings

The 2015 bill and tap fee results are presented in the tables below. Since many towns and cities receive their sewer service from special districts, there were roughly 20 more responses to the water system questions than the wastewater system questions. A specific focus of this year's survey was in the area of inside vs. outside city limits rates and fees. Most of the systems that responded to this year's survey reported that they provided service outside the city limits.

Water Bills and Tap Fees	Responses	Average	Median	Range
What was the average monthly residential water bill for inside corporate limits for 2015?	70	\$50.25	\$43.43	\$25 - \$149
What was the average monthly residential water bill for outside corporate limits for 2015?	48	\$59.89	\$51.10	\$27.84 - \$180
What is the total water tap fee for a new single-family residence inside the corporate limits?	69	\$7,405	\$6,450	\$125 - \$22,643
What is the total water tap fee for a new single-family residence outside the corporate limits?	51	\$10,763	\$8,424	\$125 - \$36,750
What is the monthly water charge for an inside residential customer using 10,000 gallons of water?	70	\$57.22	\$48.57	\$17.23 - \$168

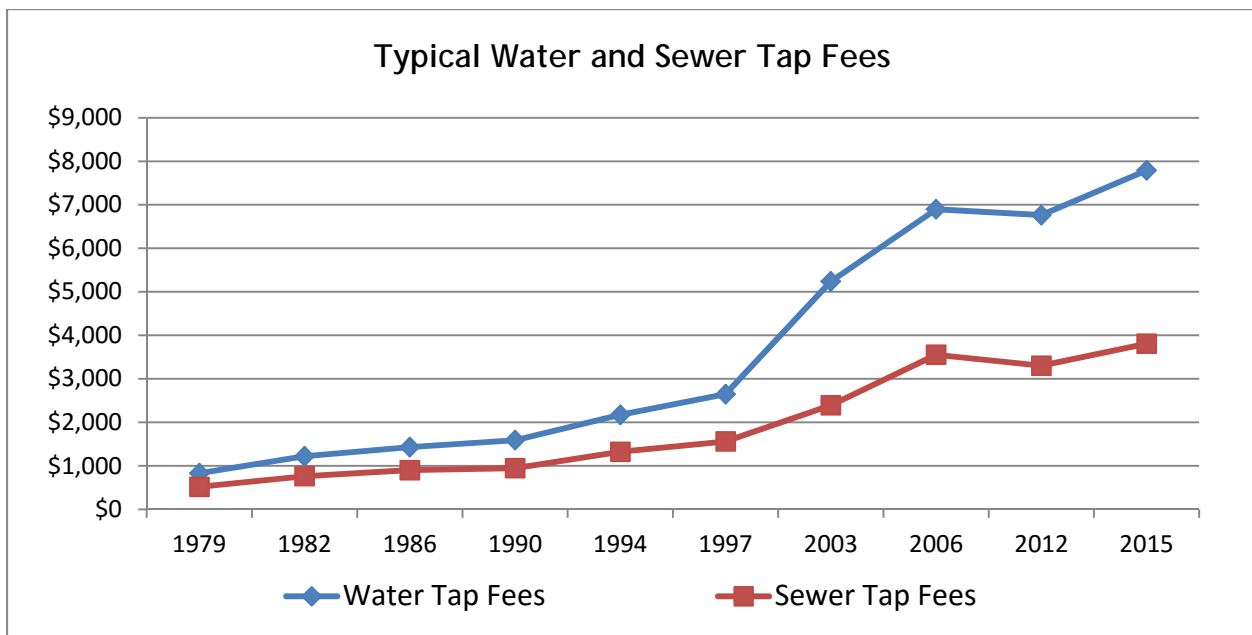
Sewer Bills and Tap Fees	Responses	Average	Median	Range
What was the average monthly residential wastewater bill for inside corporate limits for 2015?	53	\$37.79	\$32.00	\$11 - \$165
What was the average monthly residential wastewater bill for outside corporate limits for 2015?	30	\$43.90	\$40.49	\$11 - \$114
What is the total wastewater tap fee for a new single-family residence inside the corporate limits?	49	\$4,407	\$4,500	\$265 - \$12,649
What is the total wastewater tap fee for a new single-family residence outside the corporate limits?	37	\$5,686	\$5,860	\$265 - \$16,500

The total revenue received from outside customers averaged less than 10% of overall user charge revenues that came from all residential customers. Another significant trend appears to be the steep rise in local utility rates and tap fees in recent years. Since 1997 the cost of a wastewater tap fee for a single family home has more than doubled. Over the 20 year period from 1997 - 2016 the Denver - Boulder - Greeley CPI increased by an overall 56%.

Typical Water Bills and Tap Fees

The survey showed inside average water bills generally increasing from prior surveys. Average inside monthly water bills were \$50.25 for inside customers compared to \$59.89 for those outside. Compared to national trends represented in the 2014 AWWA/Raftelis Financial Consultants, Inc. water and wastewater rate survey, Colorado's water rates fell in closely with those figures. From the AWWA survey, nationally the cost of 1,000 cubic feet (7,480 gallons) cost \$34.26 and 1,500 cubic feet (11,220 gallons) cost \$48.32 per month.

Water tap fees for new single family homes averaged \$7,405. The tap fees reported showed a significant range, with the lowest water tap fee of \$125 in both Crowley and Hartman to the highest of \$36,750 for Morrison customers outside the corporate limits. Over the last 20 years both municipal water and sewer tap fees have roughly tripled in cost. Many systems base a residential tap fee on the size of the house being served by that tap.



Source: Colorado Municipal League: Water and Wastewater Utility Charges and Practices in Colorado (1997, 2004, 2007)
 Colorado Municipal League and Colorado Special District Association: Water and Wastewater Utility Charges and Practices in Colorado (2012)
 Colorado Division of Local Government: 2016 Colorado Municipal Water and Wastewater Rate Survey

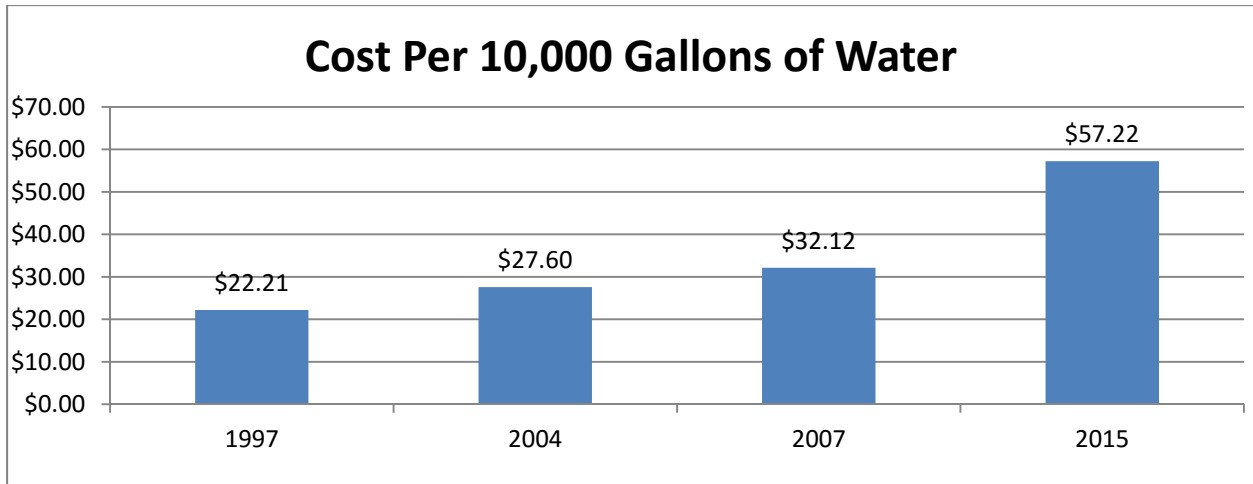
Typical Sewer Bills and Tap Fees

Survey responses showed that inside customers paid rates for sewer that were 78.5% of

what the average outside customer paid. Average inside monthly sewer rates at \$37.79 were somewhat below the rate for outside customers at \$43.90.

Cost per 10,000 Gallons of Water

The monthly cost of 10,000 gallons of water has been tracked in past CML surveys. From 1997, when the cost was \$22.21 to 2015, the cost rose to \$57.22. This was an overall increase of 158% or 8.7% per year when averaged over 18 years.



Sources: Colorado Municipal League: Water and Wastewater Utility Charges and Practices in Colorado (1997, 2004, 2007)
Colorado Division of Local Government: 2016 Colorado Municipal Water and Wastewater Rate Survey

Wastewater Rate Structures

Most water systems bill customers based on water use, but the majority of responding wastewater systems reported billing based on a flat rate. The number of individual systems reporting a flat sewer rate and the percentage of respondents they represent are shown below.

- Flat monthly fee (28/53%)
- Based on water consumption (20/38%)
- Hybrid/EQR systems (5/9%)

CML's 2004 Edition of Water and Wastewater Utility Charges and Practices in Colorado reported that 64% of responding municipalities charged a flat wastewater rate that year. Compared to national survey results, 13% of wastewater service providers charge a flat rate according to the 2014 AWWA/Raftelis Financial Consultants, Inc. water and wastewater rate survey.

Inside/Outside Rates and Tap Fees

Of the municipalities that responded, the majority provide water and sewer service outside the city limits. Survey results showed 67% of water systems, and 58% of wastewater systems providing outside service.

Of the 67% of water systems providing service to outside customers, the percentage of residential user charge revenue collected from outside customers ranged from 0.05% to

45%. The average amount of residential water revenue from outside customers was 7.9% of the total residential water revenue reported.

Of the 58% of wastewater systems providing service to outside customers, the percentage of user charge revenue earned from outside customers ranged from 0.5% to 52%. The average amount of residential wastewater revenue from outside customers was 6.5% of the total residential wastewater revenue reported.

Source of Water Supply

All respondents answered this question, and 39 systems reported using surface water, 30 systems use groundwater, and 5 use a mix between the two types of supply. It's clear that larger systems tend to rely more on surface water. Little difference in monthly bills was found between systems using surface and groundwater supplies. However, the small group of systems using both types of supply appear to enjoy less costly average bills.

Source of Water	Number of Systems Reporting	Average Number of Taps Per Reporting System	Average Monthly Bill
Surface Water	39	5,984	\$51.93
Ground Water	30	1,081	\$52.54
Surface and Groundwater	5	1,563	\$43.28

Respondents

Most survey respondents (65%) identified themselves in one of two categories. Respondent profiles are listed at the end of table 4.

- Chief executive officer/manager: 24
- Financial management/administration: 23
- Public works/system operations/engineering: 11
- Town clerk: 7
- Assistant to the city manager: 1
- Administrative/utility billing: 1
- Billing clerk: 1
- Director of utilities: 1
- Contract/consultant: 1
- Governing board member: 1
- Technical specialist: 1

Methodology

The DLG intends to conduct a water and sewer survey on an annual basis, with a slightly different focus or theme each year. This survey included questions related to

the common municipal practice of charging different rates to customers inside vs. outside the city limits. The online survey was emailed to 231 municipal contacts for those towns and cities having either water or wastewater funds. DLG records show that 272 municipalities are organized and functioning in Colorado, though those served by other providers are not part of this survey. A mid-October reminder was sent to encourage participation.

At the conclusion of the survey a total of 74 responses were received, for a response rate of 32%, or 27% of all municipalities. Preliminary/draft results were distributed among respondents on February 6, 2017. Corrections were provided by 6 systems. The population of the municipalities represented in the survey, based on 2015 estimates from the State Demography Office, ranged from 76 persons (Town of Hartman) to 160,935 (City of Fort Collins). Tables showing detailed responses are attached.

What's Next

The survey asked what kinds of topics would be appropriate for future surveys, with the suggested topics of User Charges, Federal/State Mandates, Water Conservation offered as choices.

- User Charges: 39
- Federal/State Mandates: 22
- Water Conservation: 31
- System improvement fee: 1
- How others bill commercial: 1
- Treatment costs and water costs: 1

Based on survey responses and specific requests, the focus of the 2017 survey (again expected to be conducted in October) will be on water and wastewater rate structures, with particular emphasis on commercial water and sewer rates.

References

2014 AWWA/Raftelis Financial Consultants, Inc. Water and Wastewater Rate Survey

Colorado Municipal League and Colorado Special District Association: Water and Wastewater Utility Charges and Practices in Colorado (2012)

Colorado Municipal League: Water and Wastewater Utility Charges and Practices in Colorado (1997, 2004, 2007)

Data Tables

Table 1: In-City Customer Counts, Water & Sewer Rates, and Tap Fees

Table 2: Water System Inside/Outside Customers, Revenues, Rates and Tap Fees

Table 3: Wastewater System Inside/Outside Customers, Revenues, Rates and Tap Fees

Table 4: Respondent Profiles, Water Sources, Future Topics, Suggestions

Table 1: In-City Customer Counts, Rates, and Tap Fees

What is the name of the water and/or wastewater system which you are responding for?	How many individual residential water connections were served inside corporate limits for 2015?	What was the average monthly residential water bill for inside corporate limits for 2015?	What is the total water tap fee for a new single-family residence inside the corporate limits?	What is the monthly water charge for an inside residential customer using 10,000 gallons of water?	How many individual residential wastewater connections were served in 2015 inside corporate limits?	What was the average monthly residential wastewater bill for inside corporate limits for 2015?	What is the total wastewater tap fee for a new single-family residence inside the corporate limits?
Arvada, City of	32,966	\$28.17	\$19,000	\$18.35	33,469	\$20.30	\$5,799
Aspen, City of	2,658	\$36.80	\$15,472	\$19.90			
Bayfield, Town of	1,053	\$27.60	\$6,600	\$39.25	1,163	\$49.74	\$6,000
Black Hawk, City of	54		\$7,230	\$40.00			
Boone, Town of	134	\$102.58	\$1,500	\$73.60	134	\$13.00	\$1,000
Breckenridge, Town of	4,278	\$35.14	\$7,003	\$17.23			
Brookside, Town of	85	\$69.50	\$10,925	\$86.07			
Broomfield, City and County of	16,480	\$50.92	\$22,529	\$39.99	16,267	\$19.02	\$12,649
Buena Vista, Town of	1,650	\$39.00	\$6,000	\$43.00			
Calhan, Town of	319	\$44.67	\$3,000	\$58.53	312	\$32.00	\$3,000
Carbondale, Town of	2,073	\$58.24	\$6,450	\$36.69	1,961	\$58.24	\$4,420
Castle Rock, Town of	17,710	\$54.07	\$2,330	\$50.24	17,554	\$55.43	\$3,056
Cedaredge, Town of	1,123	\$42.18	\$8,000	\$37.24	1,211	\$33.20	\$4,000
Cheraw, Town of	106	\$25.00	\$1,000	\$26.50	100	\$16.50	
Cokedale, Town of	81	\$73.00	\$3,200	\$78.00	81	\$32.00	\$3,000
Collbran, Town of	220	\$33.00	\$4,500	\$33.00	220	\$33.00	\$4,500
Cortez, City of	2,742	\$38.01	\$4,190	\$37.90			
Creede, City of	300	\$39.39	\$3,000	\$39.39	300	\$15.96	\$3,000
Crowley, Town of	78	\$50.00	\$125	\$42.20	75	\$21.00	
De Beque, Town of	410	\$39.00	\$5,100	\$67.41	400	\$25.00	\$6,000
Delta, City of	2,935	\$34.50	\$4,400	\$41.90	3,260	\$25.00	\$5,250
Dolores, Town of	480	\$27.00	\$4,500	\$32.00	480	\$26.00	\$4,500
Durango, City of	6,742	\$33.13	\$5,733	\$49.14	5,412	\$35.31	\$2,023
Eckley, Town of	150	\$72.00	\$1,500	\$32.50	150	\$29.00	\$1,500
Estes Park, Town of	2,813	\$41.89	\$10,713	\$69.72			
Fort Collins, City of	32,229	\$38.76		\$40.34	32,360	\$37.52	\$720
Fraser, Town of	1,000	\$50.00	\$7,700	\$165.00	1,000	\$137.50	\$7,500
Frisco, Town of	1,200	\$48.00	\$4,301	\$48.00			
Georgetown, Town of	528	\$63.55	\$5,900	\$91.13	518	\$48.83	\$5,800
Glenwood Springs, City of	2,720	\$28.34	\$5,910	\$41.14	2,081	\$76.04	\$6,000
Grand Lake, Town of	880	\$46.00	\$6,500	\$46.00			
Hartman, Town of	45	\$35.00	\$125	\$35.00			
Hillrose, Town of	136	\$79.08	\$11,000	\$91.43	139	\$39.33	\$1,500
Hot Sulphur Springs, Town of	330	\$52.74	\$8,250	\$52.74	331	\$49.44	\$8,250
Ignacio, Town of	264	\$36.00	\$8,240	\$54.74	366	\$68.09	\$9,093
Julesburg, Town of	640	\$40.00	\$3,500	\$34.40	640	\$27.52	\$500
Kiowa Water/WW Authority	312	\$80.00	\$6,500	\$78.51	312	\$50.82	\$6,500
Kit Carson, Town of	134	\$61.95	\$250	\$54.45	133	\$25.00	\$450
Kremmling, Town of	420	\$48.00	\$4,800	\$52.00			
Lamar, City of	2,790	\$36.57	\$1,300	\$29.60	2,771	\$13.50	\$650
Lochbuie, Town of	2,200	\$65.00	\$6,500	\$80.00	2,200	\$60.00	\$6,600
Longmont, City of	25,079	\$25.66	\$8,420	\$31.47	25,011	\$30.32	\$5,860

Table 1: In-City Customer Counts, Rates, and Tap Fees

What is the name of the water and/or wastewater system which you are responding for?	How many individual residential water connections were served inside corporate limits for 2015?	What was the average monthly residential water bill for inside corporate limits for 2015?	What is the total water tap fee for a new single-family residence inside the corporate limits?	What is the monthly water charge for an inside residential customer using 10,000 gallons of water?	How many individual residential wastewater connections were served in 2015 inside corporate limits?	What was the average monthly residential wastewater bill for inside corporate limits for 2015?	What is the total wastewater tap fee for a new single-family residence inside the corporate limits?
Loveland, City of	23,103	\$30.44	\$295	\$37.70	22,986	\$23.92	\$265
Lyons, Town of	971	\$53.30	\$17,500	\$87.48	960	\$30.60	\$8,500
Manzanola, Town of	198	\$80.00	\$2,000	\$50.00	188	\$34.00	\$2,000
Minturn, Town of	580	\$79.00	\$9,500	\$79.00			
Monument, Town of	875	\$45.88	\$15,000	\$97.00			
Morrison, Town of	124	\$57.22	\$21,000	\$47.50	124	\$35.41	\$6,500
Nederland, Town of	716	\$61.66	\$15,554	\$86.20	550	\$165.00	\$9,231
Nucla, Town of	430	\$36.00	\$2,000	\$51.00	308	\$33.00	\$2,000
Nunn, Town of	194	\$55.00	\$9,500	\$74.00			
Oak Creek, Town of	508	\$55.25	\$5,000	\$55.25	503	\$47.23	\$5,000
Olney Springs, Town of	150	\$39.00	\$2,000	\$42.78	150	\$24.86	\$1,000
Peetz, Town of	100	\$25.00	\$2,000	\$25.00	100	\$20.00	\$1,000
Pierce, Town of	400	\$39.00	\$12,700	\$60.60	400	\$43.00	\$4,250
Poncha Springs, Town of	314	\$30.00	\$6,500	\$40.00			
Pritchett, Town of	65	\$32.00		\$31.40	82	\$11.00	
Raymer, Town of	50	\$25.00	\$1,200				
Red Cliff, Town of	152	\$149.00	\$7,500	\$168.00	152	\$37.00	\$7,500
Ridgway, Town of	430	\$45.47	\$4,500	\$33.75	374	\$35.00	\$5,000
Rockvale, Town of	260	\$70.00	\$7,600	\$80.00			
Rocky Ford, City of	1,300	\$45.00	\$500	\$56.19	1,200	\$29.80	\$500
Severance, Town of	1,060	\$35.00	\$10,150	\$41.25	1,150	\$25.00	\$5,250
Silver Plume, Town of	120	\$100.00	\$5,000	\$168.00	120	\$50.00	\$5,000
Telluride, Town of	1,100	\$40.00	\$18,000	\$50.00	1,320	\$35.00	
Thornton, City of	31,686	\$61.32	\$22,643	\$46.24	33,682	\$19.64	\$1,603
Westminster, City of	28,946	\$32.42	\$21,770	\$37.04	26,740	\$21.92	\$5,600
Wiggins, Town of	336	\$125.00	\$11,500	\$101.50	332	\$32.00	\$6,000
Williamsburg, Town of	273	\$70.00	\$5,625	\$87.57			
Windsor, Town of	6,208	\$35.91	\$9,400	\$52.54	6,726	\$20.00	\$4,400
Woodland Park, City of	3,200	\$35.00	\$11,800	\$83.00	2,940	\$26.00	\$6,200
Mean:		\$50.25	\$7,405	\$57.22		\$37.79	\$4,407
Median:		\$43.43	\$6,450	\$48.57		\$32.00	\$4,500
Responses:		70	69	70		53	49

2016 Colorado Municipal Water and Wastewater Utility Charges and Practices Survey

Table 2: Water System Inside/Outside Customers, Revenues, Rates and Tap Fees

What is the name of the water and/or wastewater system which you are responding for?	Overall, what percentage of total water user charge revenues in 2015 came from residential customers?	How many individual residential water connections were served inside corporate limits for 2015?	What percentage of total water user charge revenues came from residential customers inside corporate limits in 2015?	How many individual residential water connections were served in 2015 outside corporate limits?	What was the average monthly residential water bill for outside corporate limits for 2015?	What percentage of total water user charge revenues came from residential customers outside corporate limits in 2015?	What is the total water tap fee for a new single-family residence outside the corporate limits?
Arvada, City of	64	32,966	62	39	\$61.75	0.08	\$36,000
Aspen, City of	70	2,658	68	1,251	\$51.20	44	\$27,077
Bayfield, Town of	87	1,053	86	15	\$37.42	14	\$9,900
Black Hawk, City of	1	54	0				
Boone, Town of	100	134	100				
Breckenridge, Town of	76	4,278	68	1,365	\$27.84	32	\$8,753
Brookside, Town of	96	85	97				
Broomfield, City and County of	47	16,480	98	267	\$61.00	2	
Buena Vista, Town of	85	1,650	80	25	\$58.00	3	\$7,800
Calhan, Town of	78	319	98	2	\$45.00	1	\$3,000
Carbondale, Town of	88.8	2,073	85.6	77	\$43.20	3.17	\$10,125
Castle Rock, Town of	65	17,710	100				
Cedaredge, Town of	87	1,123	74	146	\$57.14	13	\$10,000
Cheraw, Town of	98	106	99				\$1,000
Cokedale, Town of	98	81	98				
Collbran, Town of	90	220	99	35	\$45.00	1	\$9,000
Cortez, City of	48	2,742	98	52	\$38.01	2	\$6,285
Creede, City of	75	300	75				\$4,500
Crowley, Town of	90	78	90	5	\$50.00	10	\$125
De Beque, Town of	90	410	80	90	\$39.00	20	\$10,200
Delta, City of	66	2,935	99	45	\$37.00	1	\$7,400
Dolores, Town of	95	480	90	25	\$35.00	10	\$5,500
Durango, City of	47	6,742	93.1	461	\$33.13	6.9	\$5,733
Eckley, Town of	97	150	97	6	\$74.00	3	\$1,500
Estes Park, Town of	61	2,813	37.3	1,323	\$67.81	23.9	\$10,713
Fort Collins, City of	57	32,229	100				
Fraser, Town of	80	1,000	80				
Frisco, Town of	45	1,200	97	40	\$48.00	3	\$4,301
Georgetown, Town of	57	528	100				
Glenwood Springs, City of	48.8	2,720	44.8	238	\$28.34	4	\$5,910
Grand Lake, Town of	70	880	90	30	\$86.00	10	\$1,300
Hartman, Town of	97	45	100	1	\$35.00	3	\$125
Hillrose, Town of	98	136	98				
Hot Sulphur Springs, Town of	63	330	58	3	\$105.48	2	\$16,500
Ignacio, Town of	68	264	98	5	\$45.00	2	\$8,440

2016 Colorado Municipal Water and Wastewater Utility Charges and Practices Survey

Table 2: Water System Inside/Outside Customers, Revenues, Rates and Tap Fees

What is the name of the water and/or wastewater system which you are responding for?	Overall, what percentage of total water user charge revenues in 2015 came from residential customers?	How many individual residential water connections were served inside corporate limits for 2015?	What percentage of total water user charge revenues came from residential customers inside corporate limits in 2015?	How many individual residential water connections were served in 2015 outside corporate limits?	What was the average monthly residential water bill for outside corporate limits for 2015?	What percentage of total water user charge revenues came from residential customers outside corporate limits in 2015?	What is the total water tap fee for a new single-family residence outside the corporate limits?
Julesburg, Town of	80	640	80	10	\$50.00	5	\$4,000
Kiowa Water/WW Authority	70	312	70				
Kit Carson, Town of	98	134	99	1	\$74.00	1	\$250
Kremmling, Town of	60	420	59	3	\$96.00	1	
Lamar, City of	62.5	2,790	96	101	\$73.14	4	\$1,300
Lochbuie, Town of	98	2,200	100				\$8,424
Longmont, City of	72	25,079	71	225	\$38.11	1	\$8,420
Loveland, City of	74	23,103	93	904	\$56.76	7	\$295
Lyons, Town of	79	971	100				\$17,500
Manzanola, Town of	90	198	80	5	\$85.00	2	\$2,000
Minturn, Town of	75	580	100				\$14,250
Monument, Town of	58.4	875	72.1	10	\$67.21	1.7	\$22,500
Morrison, Town of	40	124	98	2	\$100.13	2	\$36,750
Nederland, Town of	85	716	85				
Nucla, Town of	90	308	70	93	\$43.00	45	\$4,000
Nunn, Town of	89	194	91				
Oak Creek, Town of	82.2	508	81.5	18	\$82.89	3.9	\$10,000
Olney Springs, Town of	95	150	80	19	\$42.50	19	\$3,000
Peetz, Town of	95	100	96	4	\$37.50	4	
Pierce, Town of	80	400	98	2	\$78.00	2	\$25,400
Poncha Springs, Town of	73	314	100				
Pritchett, Town of	98	65	99	12	\$51.00	12	
Raymer, Town of	90	50	90				
Red Cliff, Town of	2	152	98	2	\$180.00	2	\$7,500
Ridgway, Town of	78	430	78				
Rockvale, Town of	100	260	99	2	\$65.00	1	\$7,600
Rocky Ford, City of	80	1,300	90	200	\$70.00	10	\$500
Severance, Town of	97	1,060	97	10	\$35.00	0.05	\$35,000
Silver Plume, Town of	90	120	90				\$10,000
Telluride, Town of	90	1,100	95	200	\$45.00	10	\$20,000
Thornton, City of	74	31,686	85	5,097	\$91.98	15	\$22,643
Westminster, City of	67	28,946	64.1	2,001	\$35.86	2.9	\$27,212
Wiggins, Town of	92	336	100				\$11,500
Williamsburg, Town of	100	273	100				
Windsor, Town of	88	6,208	88	7	\$97.46	0	\$14,100

2016 Colorado Municipal Water and Wastewater Utility Charges and Practices Survey

Table 2: Water System Inside/Outside Customers, Revenues, Rates and Tap Fees

What is the name of the water and/or wastewater system which you are responding for?	Overall, what percentage of total water user charge revenues in 2015 came from residential customers?	How many individual residential water connections were served inside corporate limits for 2015?	What percentage of total water user charge revenues came from residential customers inside corporate limits in 2015?	How many individual residential water connections were served in 2015 outside corporate limits?	What was the average monthly bill for outside residential water corporate limits for 2015?	What percentage of total water user charge revenues came from residential customers outside corporate limits in 2015?	What is the total water tap fee for a new single-family residence outside the corporate limits?
Woodland Park, City of	80	3,200	93	240	\$70.00	7	\$23,600
Mean:	\$76.84		\$86.25		\$59.89		10,763
Median:	\$80.00		\$93.00		\$51.10		8,424
Responses:	71		71		48		51

2016 Colorado Municipal Water and Wastewater Utility Charges and Practices Survey
Table 3: Wastewater System Inside/Outside Customers, Revenues, Rates and Tap Fees

What is the name of the water and/or wastewater system which you are responding for?	Overall, what percentage of total wastewater user charge revenues in 2015 came from residential customers.	What percentage of total wastewater user charge revenues came from residential customers living inside corporate limits in 2015?	Did your system provide wastewater services to residential customers living outside of the corporate limits in 2015?	How many individual residential wastewater connections were served in 2015 outside corporate limits?	What was the average monthly residential wastewater bill for outside corporate limits for 2015?	What percentage of total wastewater user charge revenues came from residential customers outside corporate limits in 2015?	What is the total wastewater tap fee for a new single-family residence outside the corporate limits?	Are residential wastewater customers billed a flat rate, a rate based on water consumption, or by other means?
Arvada, City of	65	65	Yes	246	\$20.30	0.8	\$5,799	Water Consumption
Bayfield, Town of	89	88	Yes	160	\$49.74	12	\$6,000	Flat Rate
Boone, Town of	100	100	No					Flat Rate
Broomfield, City and County of	46	100	No					Water Consumption
Calhan, Town of	78	100	No				\$3,000	Water Consumption
Carbondale, Town of	88.8	94.6	Yes	22	\$40.97	1		Water Consumption
Castle Rock, Town of	74	100	No					Flat Rate, Water Consumption
Cedaredge, Town of	91	88	Yes	32	\$44.40	3	\$6,000	Flat Rate
Cheraw, Town of	98	98	No				\$1,000	Flat Rate
Cokedale, Town of	98	98	No					Flat Rate
Collbran, Town of	90	90	Yes	10	\$40.00	1	\$9,000	Water Consumption
Creede, City of	65	65	Yes	65	\$15.96	10	\$2,750	Flat Rate
Crowley, Town of	10	10	Yes	3	\$25.15	3		Flat Rate
De Beque, Town of	95	100	No				\$12,000	Water Consumption
Delta, City of	75	100	No				\$10,500	Flat Rate
Dolores, Town of	95	95	Yes	15	\$35.00	5	\$5,500	Flat Rate
Durango, City of	40.7	93.1	Yes	350	\$70.26	6	\$2,023	Water Consumption
Eckley, Town of	97	97	Yes	3	\$32.00	3	\$1,500	Flat Rate
Fort Collins, City of	70	100	No				\$720	Water Consumption
Fraser, Town of	80	80	No					Flat Rate
Frisco, Town of								
Georgetown, Town of	74	72	Yes	187	\$48.83	28	\$5,800	Flat Rate
Glenwood Springs, City of	63	62	Yes	90	\$114.00	0.5	\$6,000	Water Consumption
Hillrose, Town of	98	99	No				\$3,000	Flat Rate
Hot Sulphur Springs, Town of	71	98	Yes	3	\$98.88	2	\$16,500	Flat Rate
Ignacio, Town of	68	77	No				\$9,093	Equiv. Res. Tap
Julesburg, Town of	80	80	No					Flat Rate
Kiowa Water/WW Authority	70	70	No					Water Consumption
Kit Carson, Town of	99	99	Yes	1	\$25.00	1	\$450	Flat Rate
Lamar, City of	75	69	Yes	55	\$23.50	6	\$650	Flat Rate
Lochbuie, Town of	98	48	Yes	2300		52	\$6,600	Water Consumption

2016 Colorado Municipal Water and Wastewater Utility Charges and Practices Survey
Table 3: Wastewater System Inside/Outside Customers, Revenues, Rates and Tap Fees

What is the name of the water and/or wastewater system which you are responding for?	Overall, what percentage of total wastewater user charge revenues in 2015 came from residential customers.	What percentage of total wastewater user charge revenues came from residential customers living inside corporate limits in 2015?	Did your system provide wastewater services to residential customers living outside of the corporate limits in 2015?	How many individual residential wastewater connections were served in 2015 outside corporate limits?	What was the average monthly residential wastewater bill for outside corporate limits for 2015?	What percentage of total wastewater user charge revenues came from residential customers outside corporate limits in 2015?	What is the total wastewater tap fee for a new single-family residence outside the corporate limits?	Are residential wastewater customers billed a flat rate, a rate based on water consumption, or by other means?
Longmont, City of	82	81	Yes	81	\$33.90	1	\$5,860	Water Consumption
Loveland, City of	73	70	Yes	343	\$72.00	4	\$265	Water Consumption
Lyons, Town of	86	98	Yes	15	\$55.26	3	\$8,500	Water Consumption
Manzanola, Town of	98	95	Yes	5	\$38.00	2	\$2,000	Flat Rate, Water Consumption
Morrison, Town of	43	98	Yes	2	\$61.96	2	\$11,375	Flat Rate
Nederland, Town of	85	85	No					Water Consumption
Nucla, Town of	90	90	No				\$4,000	Water Consumption
Oak Creek, Town of	86.6	84.4	Yes	9	\$70.84	2.3	\$10,000	Flat Rate
Olney Springs, Town of	95	95	No					Flat Rate
Peetz, Town of	95	95	Yes	2	\$20.00	2	\$1,000	Flat Rate
Pierce, Town of	90	97	Yes	3	\$43.00	2	\$8,500	Flat Rate
Pritchett, Town of	99	98	Yes	10	\$11.00	9		Flat Rate
Red Cliff, Town of	98	99	Yes	3	\$39.00	1	\$7,500	Water Consumption
Ridgway, Town of	72	100	No					Flat Rate
Rocky Ford, City of	80	95	Yes	100	\$44.70	5	\$500	Flat Rate
Severance, Town of	97	97	No					Flat Rate
Silver Plume, Town of	90	90	No				\$10,000	Flat rate plus usage
Telluride, Town of	100	95	Yes	325	\$45.00	5		Flat Rate
Thornton, City of	88	88	Yes	5,159	\$29.48	12	\$1,603	Water Consumption
Westminster, City of	82	49	Yes	1999	\$24.99	4.2	\$7,000	Water Consumption
Wiggins, Town of	91	100	No				\$6,000	Water Consumption
Windsor, Town of	54	54	No					Flat Rate
Woodland Park, City of	80	85	Yes	240	\$44.00	15	\$12,400	Flat Rate, Water Consumption
Mean:	81%	86%	Yes: 31		\$43.90		5,686	Flat: 28
Median:	86%	95%	No: 22		\$40.49		5,860	Consumption: 20
Responses:	53	53			30		37	Other: 5

2016 Colorado Municipal Water and Wastewater Utility Charges and Practices Survey
Table 4: Respondent Profiles, Water Sources, Future Topics, Suggestions

What is the name of the water and/or wastewater system which you are responding for?	What is your name?	Please select the title most representative of your position with the system you are responding for?	During 2015, what was the primary source of your system's water?	What other water or wastewater topics would you like to be surveyed in future annual surveys.	Do you have any other suggestions for improving the annual survey?
Arvada, City of	James Sullivan	Chief Executive Officer/Manager	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.)	
Aspen, City of	Lee Ledesma	Financial Management/Administration	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Water Conservation and Metering	
Bayfield, Town of	Chris La May	Chief Executive Officer/Manager	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Federal and State Mandate costs, Water Conservation and Metering, Ave. Water Consumed / SFR	
Black Hawk, City of	Jim Ford	Public Works/System Operations/Engineering	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Water Conservation and Metering	
Boone, Town of	Barbara Berry	Financial Management/Administration	Ground Water		
Breckenridge, Town of	Kathy Robinson	Financial Management/Administration	Surface Water	Water Conservation and Metering	No
Brookside, Town of	Renee Bolkema	Town Clerk	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Federal and State Mandate costs	
Broomfield, City and Cot	Patricia Soderberg	Financial Management/Administration	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Federal and State Mandate costs	
Buena Vista, Town of	Brandy Reitter	Chief Executive Officer/Manager	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Federal and State Mandate costs, Water Conservation and Metering	
Calhan, Town of	Cindy Tompkins	Financial Management/Administration	Ground Water		
Carbondale, Town of	Mark O'Meara	Public Works/System Operations/Engineering	Ground Water, Surface Water	Water Conservation and Metering	
Castle Rock, Town of	Anne Glassman	Financial Management/Administration	Ground Water	User Charge Structures (for example block rate, conservation incentives, etc.), Water Conservation and Metering	No
Cedaredge, Town of	Kathleen Ann Sickles	Chief Executive Officer/Manager	Ground Water, Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Water Conservation and Metering	Provide access to all questions. The submit button can be greyed out until all questions are answered.
Cheraw, Town of	April Gibson	Town Clerk	Ground Water		
Cokedale, Town of	Kathy Kumm	Chief Executive Officer/Manager	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Federal and State Mandate costs	na
Collbran, Town of	Davis Farrar	Chief Executive Officer/Manager	Ground Water, Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Water Conservation and Metering	
Cortez, City of	Philip Johnson	Public Works/System Operations/Engineering	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Water Conservation and Metering	

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Creede, City of	Clyde Dooley	Chief Executive Officer/Manager	Ground Water	Water Conservation and Metering	no
Crowley, Town of	Darla Wyeno	Financial Management/Administration	Ground Water	User Charge Structures (for example block rate, conservation incentives, etc.), Water Conservation and Metering	
De Beque, Town of	Lance Stewart	Chief Executive Officer/Manager	Surface Water		
Delta, City of	Steve Glammeyer	Chief Executive Officer/Manager	Surface Water		
Dolores, Town of	Randy McGuire	Public Works/System Operations/Engineering	Ground Water	Federal and State Mandate costs	
Durango, City of	Mary Beth Mlies	Assistant to the City Manager	Surface Water		
Eckley, Town of	Shawnee Shell	Financial Management/Administration	Ground Water	Water Conservation and Metering	
Estes Park, Town of	Reuben Bergsten	Director of Utilities	Surface Water		It would be good to know miles of distribution and number of treatment plants for each system. We are rural with low density which increases our cost per mile of pipe. We are isolated (no interconnection with others for backup supply) so we have redundant treatment plants, which increases our costs. This information would help when comparing costs.
Fort Collins, City of	Lance Smith	Financial Management/Administration	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Water Conservation and Metering	Tap fees may vary by the size of the single family home so a standard lot size should be stated in the survey to ensure accurate comparisons between cities
Fraser, Town of	Jeff Durbin	Chief Executive Officer/Manager	Ground Water	User Charge Structures (for example block rate, conservation incentives, etc.), Federal and State Mandate costs, Water Conservation and Metering	no
Frisco, Town of	Jeff Goble	Public Works/System Operations/Engineering	Ground Water, Surface Water	Federal and State Mandate costs, Water Conservation and Metering	
Georgetown, Town of	Mary Sims	Financial Management/Administration	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Federal and State Mandate costs, Water Conservation and Metering	
Glenwood Springs, City of	Robin Millyard	Public Works/System Operations/Engineering	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Federal and State Mandate costs, Water Conservation and Metering, System Improvement Fees	Not at this time
Grand Lake, Town of	David Johnson	Public Works/System Operations/Engineering	Ground Water	Federal and State Mandate costs	

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Hartman, Town of	Janet Marriott	Financial Management/Administration	Ground Water		
Hillrose, Town of	Lynn Golemboski	Chief Executive Officer/Manager	Ground Water		
Hot Sulphur Springs, Town of	Sandy	Town Clerk	Surface Water		
Ignacio, Town of	Mark Garcia	Chief Executive Officer/Manager	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.)	
Julesburg, Town of	Allen Coyne	Chief Executive Officer/Manager	Ground Water	User Charge Structures (for example block rate, conservation incentives, etc.), Federal and State Mandate costs, Water Conservation and Metering	
Kiowa Water/WW Authority	Michelle Oeser	Financial Management/Administration	Ground Water	User Charge Structures (for example block rate, conservation incentives, etc.)	no
Kit Carson, Town of	Christie Johnson	Town Clerk	Ground Water		no
Kremmling, Town of	mark	Chief Executive Officer/Manager	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Federal and State Mandate costs, Water Conservation and Metering	no
Lamar, City of	John Sutherland	Chief Executive Officer/Manager	Ground Water	User Charge Structures (for example block rate, conservation incentives, etc.)	I appreciate having it available. The questions asked are the info we need.
Lochbuie, Town of	Jeff Rabas	Contractor/Consultant	Ground Water	User Charge Structures (for example block rate, conservation incentives, etc.)	No
Longmont, City of	Becky Doyle	Financial Management/Administration	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Federal and State Mandate costs, Water Conservation and Metering	
Loveland, City of	Michelle Erickson	Technical Specialist	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.)	
Lyons, Town of	Lagenia Reimer	Utility Billing Clerk	Surface Water	Federal and State Mandate costs	no
Manzanola, Town of	Sylvia Watkins	Governing Board/Elected Official	Ground Water		
Minturn, Town of	Jay Brunvand	Financial Management/Administration	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.)	
Monument, Town of	Thomas A. Tharnish	Public Works/System Operations/Engineering	Ground Water	User Charge Structures (for example block rate, conservation incentives, etc.), Federal and State Mandate costs, Water Conservation and Metering	
Morrison, Town of	Kara Zabilansky	Chief Executive Officer/Manager	Surface Water	How others bill commercial	
Nederland, Town of	Kathy Weiss	Admin / Utilities Billing	Surface Water		
Nucla, Town of	Tracy Smith	Financial Management/Administration	Surface Water	Federal and State Mandate costs	NO

2016 Colorado Municipal Water and Wastewater Utility Charges and Practices Survey
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Nunn, Town of	Cathy Payne	Town Clerk/Treasurer	Surface Water	Water Conservation and Metering	No
Oak Creek, Town of	Mary Alice Page-Allen	Chief Executive Officer/Manager	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Water Conservation and Metering	
Olney Springs, Town of	Myrna Wilson	Town Clerk	Ground Water		
Peetz, Town of	Dawn Fiscus	Financial Management/Administration	Ground Water	Federal and State Mandate costs	
Pierce, Town of	Pat Larson	Financial Management/Administration	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.)	
Poncha Springs, Town of	Brian Berger	Financial Management/Administration	Ground Water	Federal and State Mandate costs	
Pritchett, Town of	Reva Phillips	Financial Management/Administration	Ground Water		
Raymer, Town of	Sharon Fiscus	town clerk	Ground Water		
Red Cliff, Town of	Barb Smith	Chief Executive Officer/Manager	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Federal and State Mandate costs	
Ridgway, Town of	Joanne	Public Works/System Operations/Engineering	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.)	Having the questions in advance of the survey would allow one to have the requested data available rather than needing to find it as you go. For the last question we used annual averages for the billing program to get the numbers.
Rockvale, Town of	Ronald W Woodring	Chief Executive Officer/Manager	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.)	treatment costs or water costs
Rocky Ford, City of	Luke James	Public Works/System Operations/Engineering	Ground Water	User Charge Structures (for example block rate, conservation incentives, etc.)	no
Severance, Town of	John C. Holdren	Chief Executive Officer/Manager	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Water Conservation and Metering	no
Silver Plume, Town of	Tammy Sanford	Financial Management/Administration	Surface Water	Water Conservation and Metering	
Telluride, Town of	Kenneth Goldsworthy	Public Works/System Operations/Engineering	Surface Water	Federal and State Mandate costs, Water Conservation and Metering	no
Thornton, City of	Rachel Walsh	Financial Management/Administration	Surface Water		
Westminster, City of	Brian Donahue	Financial Management/Administration	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Water Conservation and Metering	Yes. Allow us to save the survey as a PDF before we submit.

2016 Colorado Municipal Water and Wastewater Utility Charges and Practices Survey
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What is the name of the water and/or wastewater system which you are responding for?	What is your name?	Please select the title most representative of your position with the system you are responding for?	During 2015, what was the primary source of your system's water?	What other water or wastewater topics would you like to be surveyed in future annual surveys.	Do you have any other suggestions for improving the annual survey?
Wiggins, Town of	Paul Larino	Chief Executive Officer/Manager	Ground Water	User Charge Structures (for example block rate, conservation incentives, etc.), Federal and State Mandate costs	
Williamsburg, Town of	Lucinda Ricotta	Chief Executive Officer/Manager	Ground Water	User Charge Structures (for example block rate, conservation incentives, etc.), Federal and State Mandate costs, Water Conservation and Metering	no
Windsor, Town of	Jessica Scheopner	Financial Management/Administration	Surface Water	User Charge Structures (for example block rate, conservation incentives, etc.), Federal and State Mandate costs, Water Conservation and Metering	
Woodland Park, City of	David Buttery	City Manager	Ground Water, Surface Water		