



2018

**WASHINGTON/OREGON
WATER & WASTEWATER
RATE SURVEY**

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Foreword

The 2013 Washington-Oregon Water and Wastewater Rate Survey conducted by Raftelis Financial Consultants, Inc. (RFC) provides a description of water and wastewater rates and charges in the states of Washington and Oregon. RFC conducts a biennial national water and wastewater rate survey in partnership with the American Water Works Association (AWWA), a non-profit professional association dedicated to providing high-quality technical information to its water utility members and the general public. RFC also conducts a biennial water rate survey in California and Nevada in collaboration with the California-Nevada section of AWWA, and water rate surveys in Florida and Arizona. RFC is nationally recognized for its financial and management consulting practice for water, wastewater, and stormwater utilities.

The 2013 survey provides valuable insights into pricing practices embraced by utilities across Washington and Oregon. Specifically included in this year's survey:

- » Participation by water and wastewater systems with diverse ownership and operating characteristics serving a total of 70 Washington agencies and 51 Oregon agencies
- » Rate calculations and pertinent data grouped by county and sorted by city

The report is also a powerful tool for comparative benchmarking. Drawing conclusions from rate comparisons, however, should be done only after evaluating several community characteristics (such as geography, climate, and service area, as well as the use of taxes, subsidies, and grants). The determinants of utility rates are varied and complex and do not necessarily reflect the true cost of service. A low rate or a high rate does not necessarily mean that a utility is more or less efficient, respectively. As a result, the survey findings alone should not be used to judge the performance of any individual utility or to generalize about all water-sector utilities. Also, our rate survey uses a sample that is not statistically random. Even with these constraints, the information contained in the survey should be beneficial to utilities throughout Washington and Oregon. At a minimum, it can be used to identify utilities that have similar characteristics to include in a more in-depth benchmarking effort.

We recognize the valuable contribution made by the numerous water utility professionals who donated their time and energy to this effort. Their participation in this survey is greatly appreciated.

The reliability of the information received for this survey is dependent upon the accuracy of the data we collected from the agencies. Please notify us if you have any updates or corrections to the information.



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Factors Affecting Rates

Because water and wastewater rates are of immense public interest, legislative bodies entrusted with reviewing and approving rates are very sensitive to adjusting rates. From our work with many water utilities, we have identified six factors that can affect water and wastewater rates and charges. Half of these factors are driving water and wastewater rates higher, while the other half have a lowering effect on rates. Because the factors that are increasing rates have had a much greater impact in recent years, water and wastewater rates have increased faster than the overall rate of inflation. The following page describes each factor, how it influences rates, and its expected impact over the next five to ten years. It should be noted that they are not the only factors affecting rates, but those that we believe are particularly relevant to water and wastewater utilities.

GROWING INFRASTRUCTURE NEEDS

 Much of the original water infrastructure in the Northwestern United States is going to need replacement in the near future. In many cases, this will be the first time that utilities will face significant capital needs that are not funded by growth in the customer base. In addition, this existing infrastructure repair and replacement will likely be more costly than placing comparable new infrastructure in service in undeveloped areas. This factor is going to significantly impact utilities in the coming years and will likely be a major driver of rate increases.

INCREASING REGULATORY STRINGENCY

 While it is unclear how water regulations will be promulgated in the future, it is our expectation that standards will continue to become more stringent. As the ability to measure water quality improves and technology for producing “cleaner” potable water and effluent advances, regulations will inevitably follow and utilities will need to spend resources to acquire the new technology and/or reconfigure existing treatment processes. We believe that increasing regulatory stringency driven by these advances in technology will drive rates higher.

DECREASING PER CAPITA CONSUMPTION

 We have noticed that more and more of the utilities that we serve are facing declining per capita consumption. We believe there are

two primary reasons for this trend. The first reason is that each generation of new home appliances is more and more water efficient. During the 1960s and 1970s, growth in consumption was fueled by the addition of water using devices to homes. With the replacement of each device, water efficiency is gained. The second reason is that the conservation message has been internalized by much of the population. Many of us don’t let the water run while brushing our teeth or shaving our face like we once did. We believe this has been accomplished through public education efforts and often reinforced by the pricing structure. In addition, many utilities have faced droughts or capacity issues due to growth, which has forced additional efforts to reduce per capita consumption. We believe that while this factor will continue to impact rates in the future, the impact will diminish over time because there is a level below which per capita consumption will not drop.

TECHNOLOGICAL IMPROVEMENTS

 As mentioned earlier, water and wastewater treatment technology is constantly improving. Certain technological improvements have a lowering impact on rates. Supervisory control and data acquisition (SCADA) systems allow for operations with fewer employees and help to minimize power loads. As a result, the cost of producing potable water and treating wastewater is decreasing with all other variables remaining the same. We believe technology will continue to improve and benefit customers.



EFFECTIVE UTILITY MANAGEMENT

RATES

Municipal utilities no longer see themselves as governmental monopolies. Elected officials and governing boards increasingly require utilities to operate as efficiently as possible. The growth of contractor operations has also caused utilities to become more efficient. In fact, many utilities have gone through some sort of formal optimization process. We believe that these efforts will continue to have lowering effect on water rates.

POLITICAL ACTIONS

RATES

The strongest force in limiting rate increases has been the political process. Whereas optimization efforts are beneficial to the utility, politically limited rate increases may not be. It would be unfair to say that political influence does not have some positive effects, as it does often force utilities to be as efficient as possible. However, when a rate increase is obviously needed and that increase is not allowed due to political issues, there can be severe future ramifications. We believe this will continue to have a significant impact on limiting rate increases.

Overview of the Survey

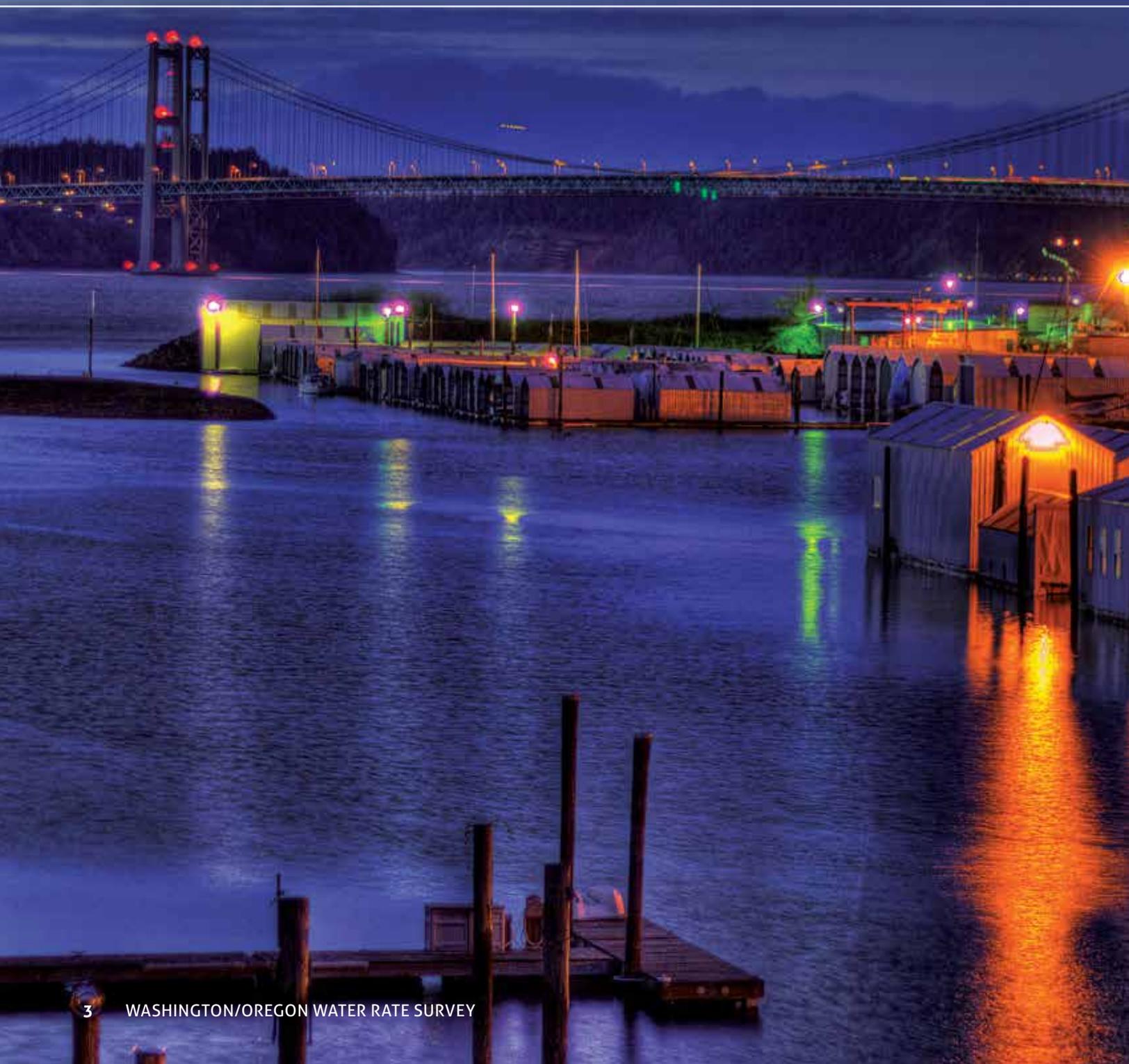
The survey provides data on 121 water and wastewater service providers (70 in Washington and 51 in Oregon). Because water usage varies widely by cities and regions, a benchmark water usage amount is needed to provide a basis to compare water and wastewater rates. This survey relies on 15 ccf (hundred cubic feet) or 11,220 gallons of water consumption per month and 8 ccf or about 6,000 gallons of wastewater flow as that benchmark.

The survey results are sorted first alphabetically by county as shown below and then by city.

- » **Washington:** Benton, Chelan, Clallam, Clark, Cowlitz, Franklin, Grays Harbor, Island, King, Kitsap, Kittitas, Lewis, Pierce, Skagit, Snohomish, Spokane, Thurston, Walla Walla, Whatcom, Whitman, and Yakima
- » **Oregon:** Benton, Clackamas, Columbia, Coos, Deschutes, Douglas, Jackson, Josephine, Lane, Lincoln, Linn, Malheur, Marion, Multnomah, Polk, Umatilla, Union, Washington, and Yamhill



WASHINGTON RATE SURVEY



2013 WATER BILLING FREQUENCY

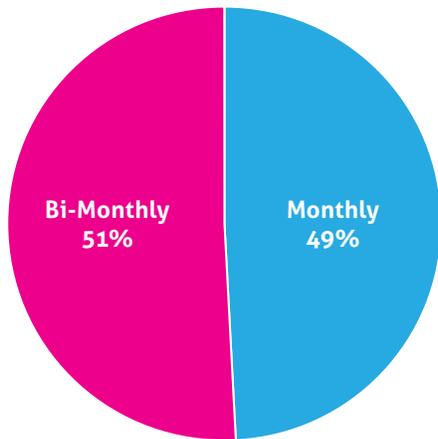


Figure A: Water Billing Frequency for Washington Agencies Reported in 2013 Survey

2013 WATER RATE STRUCTURE

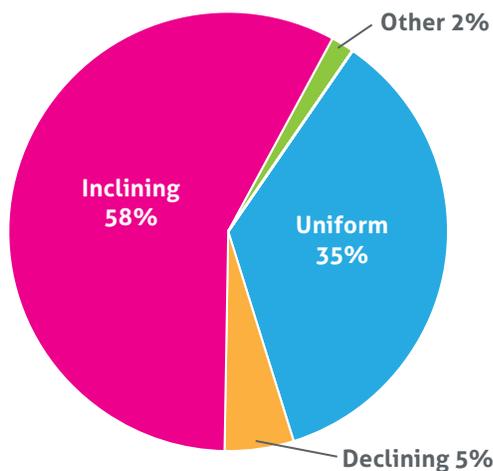


Figure B: Water Rate Structure for Washington Agencies Reported in 2013 Survey

RATE UPDATE FREQUENCY

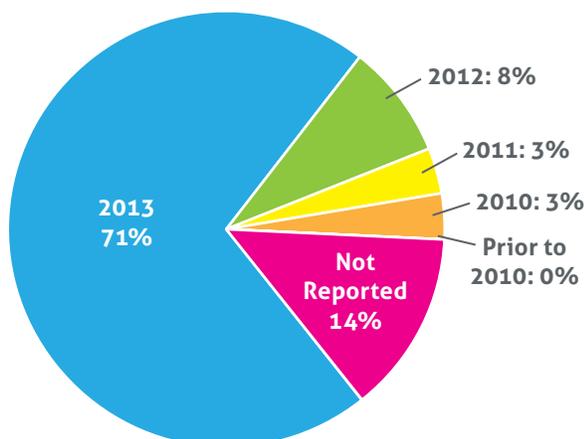


Figure C: Rate Update Frequency

WASHINGTON

Water Rate Survey Results

59 agencies in Washington reported water rates in the 2013 survey.

WATER BILLING FREQUENCY

As shown in Figure A, 49% of the agencies in our sample bill monthly, and roughly 51% have a bi-monthly rate structure. In our experience, monthly billing is becoming more popular, as monthly billing helps convey information on consumption and pricing to an agency's customer base faster. Also, as rates increase and bills get larger, customers may find it easier to pay smaller monthly bills than larger bi-monthly bills.

WATER RATE STRUCTURE

Figure B demonstrates that inclining and uniform rate structures combine to constitute approximately 93% (35% uniform, 58% inclining) of the rate structures among utilities in this year's survey. The "other" category includes rate structures such as flat, seasonal, and minimum charge for consumption rates. While uniform, inclining, and declining rate structures are well known and have been in use by agencies for many years, the number of agencies utilizing water budget rate structures is increasing, especially in agencies that target water conservation and efficiency. Water budget-based rate structures are a type of inclining rate structure in which the block definition is different for each customer based on an efficient level of water use by that customer. The tiers are typically set based upon efficient indoor and outdoor use allocations. Please contact RFC if you need additional information on rate structures.

WATER CHARGES

Figure C displays the year in which the 2013 survey's utilities have most recently updated their rates. A clear majority of respondents (79%) have updated their rates within the past two years (2012 and 2013).

WATER CHARGES (CONT.)

As mentioned previously, all charges in this survey are based on the assumption that the utility residential customer uses 15 ccf (11,220 gal) per month. For utilities that do not bill monthly, the charge was calculated on the assumption of 15 ccf per month usage. It should be noted that the average usage can vary significantly from agency to agency. Thus, an agency with a lower average usage than 15 ccf per month

will have higher bills since the rate structure of that agency was designed for their level of usage.

Figure D shows the average monthly water charges for 15 ccf by county. Based on our survey, the highest charges are found in Island County, while the lowest charges are in Spokane County. Only one agency responded for Island County.

2013 AVERAGE MONTHLY WATER CHARGES COMPARISON BY COUNTY



Figure D: Average Monthly Water Charges Comparison by County in Washington

¹ 1 ccf = 100 cubic feet = 748 gallons of water

2013 WASTEWATER BILLING FREQUENCY

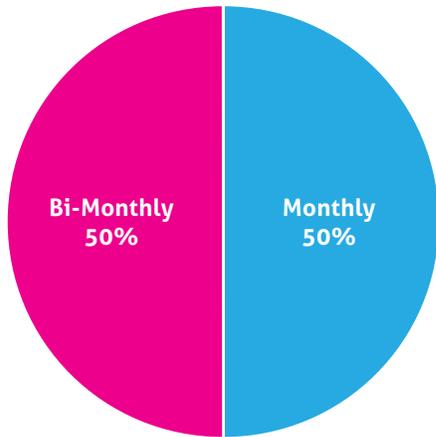


Figure E: Wastewater Billing Frequency for Washington Agencies Reported in 2013 Survey

2013 WASTEWATER RATE STRUCTURE

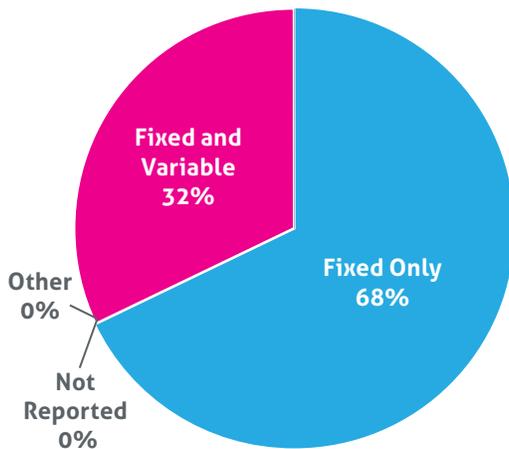


Figure F: Wastewater Rate Structure for Washington Agencies Reported in 2013 Survey

RATE UPDATE FREQUENCY

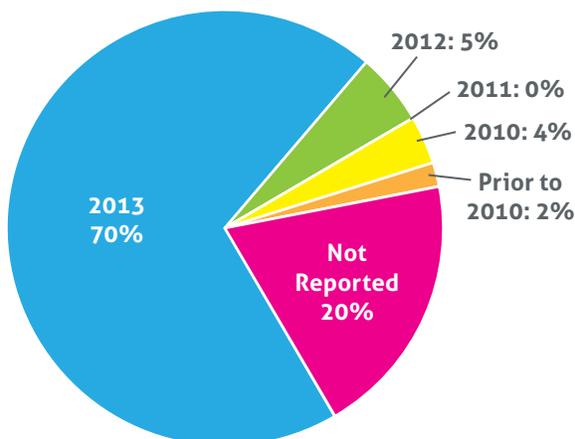


Figure G: Rate Update Frequency

WASHINGTON

Wastewater Rate Survey Results

56 agencies in Washington reported wastewater rates in the 2013 survey.

WASTEWATER BILLING FREQUENCY

As shown in Figure E, 50% of the agencies in our sample bill monthly, and roughly 50% have a bi-monthly rate structure. In our experience, monthly billing is becoming more popular, as monthly billing helps convey information on consumption and pricing to an agency's customer base faster. Also, as rates increase and bills get larger, customers may find it easier to pay smaller monthly bills than larger bi-monthly bills.

WASTEWATER RATE STRUCTURE

Figure F demonstrates that fixed rate structures and fixed and variable rate structures combine to constitute all 100% (68% fixed only, 32% fixed and variable) of the rate structures among utilities in this year's survey. Please contact RFC if you need additional information on rate structures.

WASTEWATER CHARGES

Figure G displays the year in which the 2013 survey's utilities have most recently updated their rates. A clear majority of respondents (75%) have updated their rates within the past two years (2012 and 2013).

WASTEWATER CHARGES (CONT.)

As mentioned previously, all charges in this survey are based on the assumption that the utility residential customer uses 8 ccf (5,984 gal) per month. For utilities that do not bill monthly, the charge was calculated on the assumption of 8 ccf per month usage. It should be noted that the average usage can vary significantly from agency to agency. Thus, an agency with a lower average usage than 8 ccf per month will have higher

bills since the rate structure of that agency was designed for their level of usage.

Figure H shows the average monthly wastewater charges for 8 ccf by county. Based on our survey, the highest charges are found in Lewis County, while the lowest charges are in Chelan County. Only one agency responded for Lewis County.

2013 AVERAGE MONTHLY WASTEWATER CHARGES COMPARISON BY COUNTY*

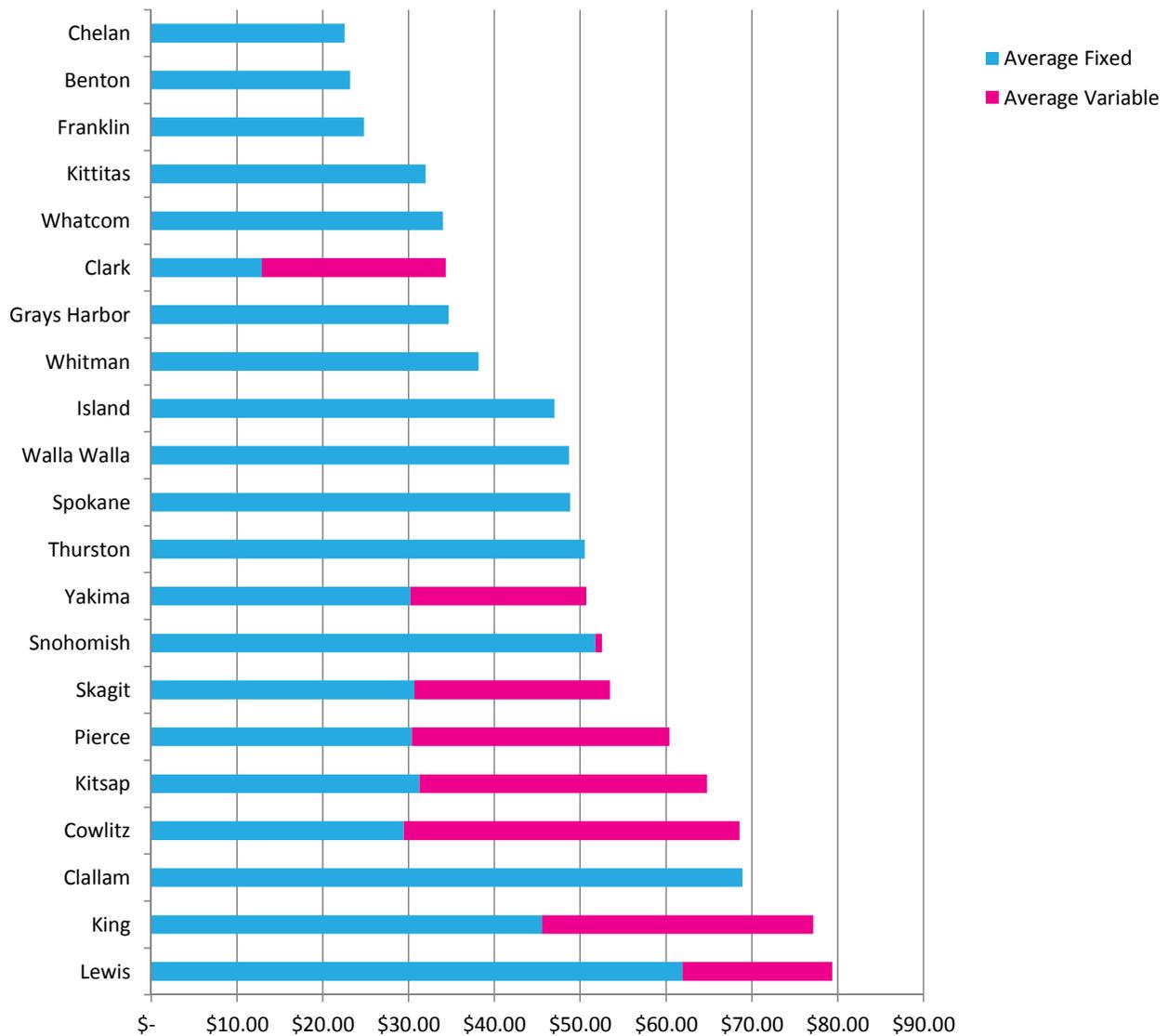


Figure H: Average Monthly Wastewater Charges Comparison by County in Washington

*For King, Pierce, and Snohomish Counties, utilities with no variable charge were not included in "average variable" charge calculation.



OREGON RATE SURVEY



2013 WATER BILLING FREQUENCY

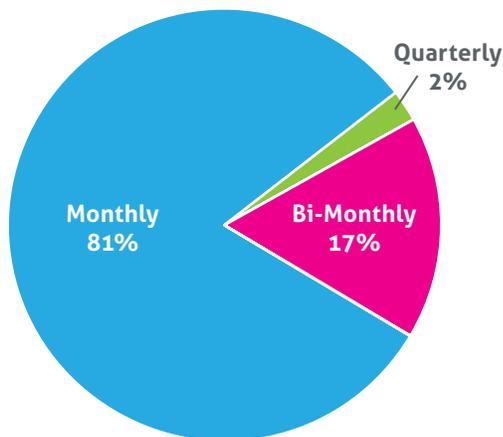


Figure I: Water Billing Frequency for Oregon Agencies Reported in 2013 Survey

2013 WATER RATE STRUCTURE

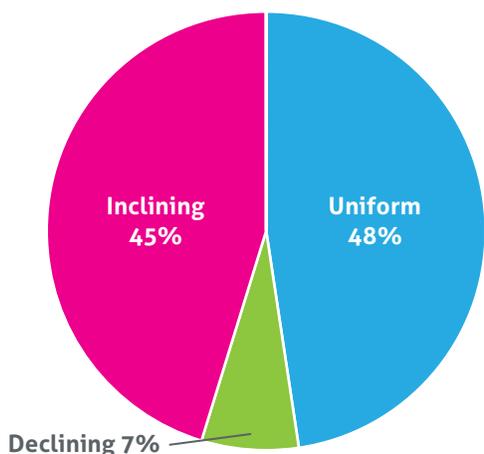


Figure J: Water Rate Structure for Oregon Agencies Reported in 2013 Survey

RATE UPDATE FREQUENCY

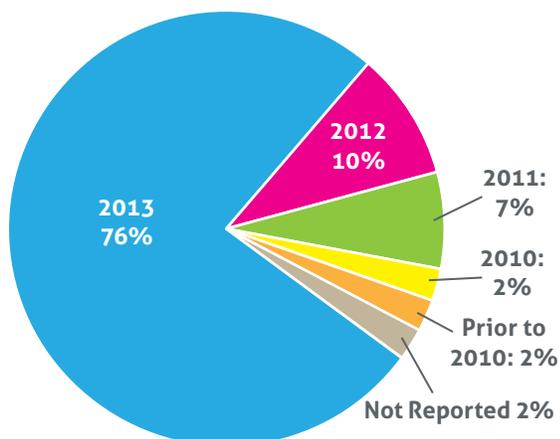


Figure K: Rate Update Frequency

OREGON

Water Rate Survey Results

42 agencies in Oregon reported water rates in the 2013 survey.

WATER BILLING FREQUENCY

As shown in Figure I, a large majority (81%) of the utility survey’s respondents has a monthly billing structure. Monthly billing is predominantly becoming more popular, as monthly billing helps convey information on consumption and pricing to an agency’s customer base faster. Also, as rates increase and bills get larger, customers may find it easier to pay smaller monthly bills than larger bi-monthly bills.

WATER RATE STRUCTURE

Figure J demonstrates that inclining and uniform rate structures combine to constitute approximately 93% (48% uniform, 45% inclining) of the rate structures among utilities in this year’s survey. While uniform, inclining, and declining rate structures are well known and have been in use by agencies for many years, the number of agencies utilizing water budget rate structures is increasing, especially in agencies that target water conservation and efficiency. Water budget-based rate structures are a type of inclining rate structure in which the block definition is different for each customer based on an efficient level of water use by that customer. The tiers are typically set based upon efficient indoor and outdoor use allocations. Please contact RFC if you need additional information on rate structures.

WATER CHARGES

Figure K displays the year in which most utilities have most recently updated their rates. A clear majority of respondents (86%) have updated their rates within the past two years (2012 and 2013).

As in the Washington section, all charges in this survey are based on the assumption that the utility customer uses 15 ccf (11,220 gal) per month. For utilities that do not bill monthly, the charge was calculated on the assumption of 15 ccf per month usage. It should be

noted that the average usage can vary significantly from agency to agency. Thus, an agency with a lower average usage than 15 ccf per month will have higher bills since the rate structure of that agency was designed for their level of usage.

Figure L shows the average monthly water charges for 15 ccf by county. Based on our survey, the highest charges are found in Columbia County, while the lowest charges are in Malheur County.

2013 AVERAGE MONTHLY WASTEWATER CHARGES COMPARISON BY COUNTY*

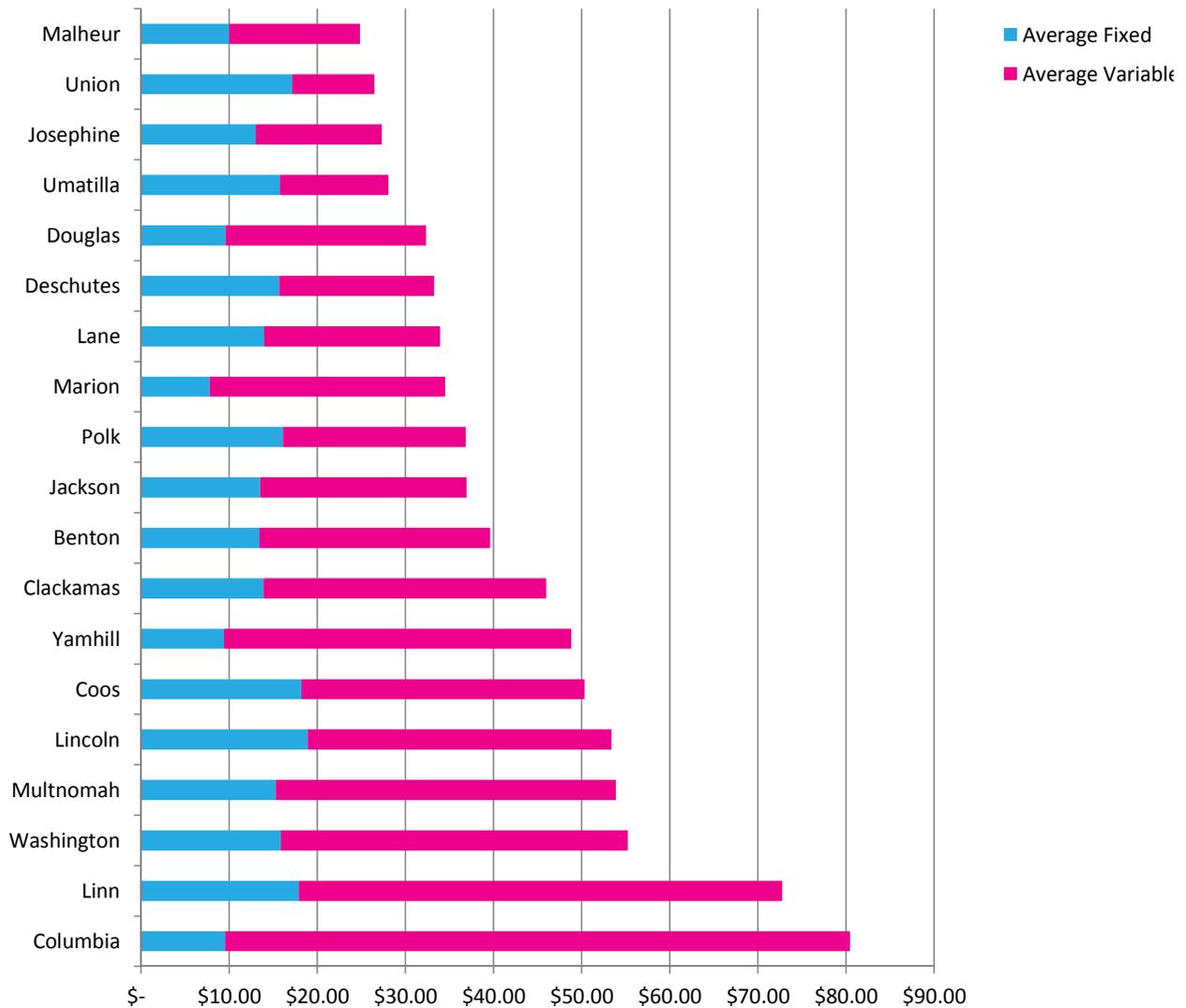


Figure L: Average Monthly Water Charges Comparison by County in Oregon

*For Multnomah County, utilities with no fixed charge were not included in "average fixed" charge calculation.

2013 WASTEWATER BILLING FREQUENCY

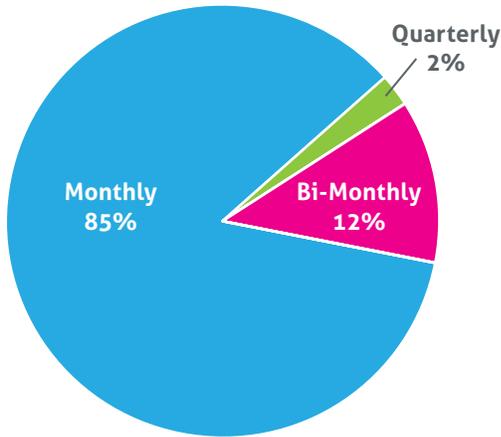


Figure M: Wastewater Billing Frequency for Oregon Agencies Reported in 2013 Survey

2013 WASTEWATER RATE STRUCTURE

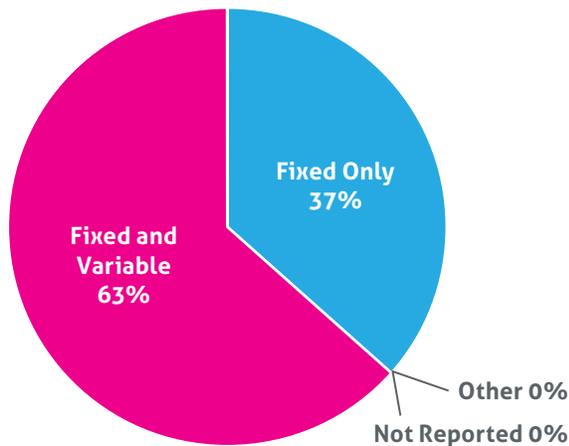


Figure N: Wastewater Rate Structure for Oregon Agencies Reported in 2013 Survey

RATE UPDATE FREQUENCY

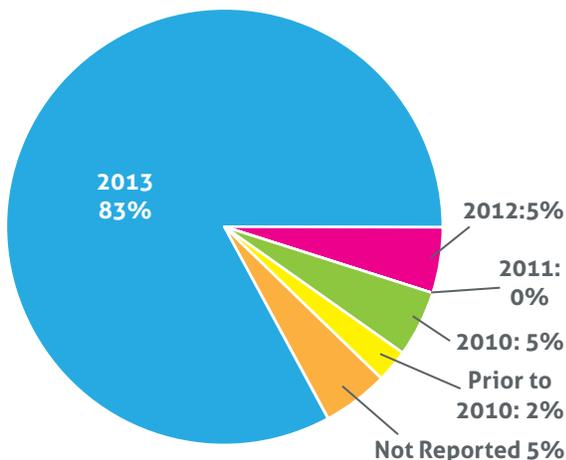


Figure O: Rate Update Frequency

OREGON

Wastewater Rate Survey Results

41 agencies in Oregon reported wastewater rates in the 2013 survey.

WASTEWATER BILLING FREQUENCY

As shown in Figure M, a large majority (85%) of the utility survey's respondents has a monthly billing structure. Monthly billing is predominantly becoming more popular, as monthly billing helps convey information on consumption and pricing to an agency's customer base faster. Also, as rates increase and bills get larger, customers may find it easier to pay smaller monthly bills than larger bi-monthly bills.

WASTEWATER RATE STRUCTURE

Figure N demonstrates that fixed rate structures and fixed and variable rate structures combine to constitute all 100% (37% fixed only, 63% fixed and variable) of the rate structures among utilities in this year's survey. Please contact RFC if you need additional information on rate structures.

WASTEWATER CHARGES

Figure O displays the year in which most utilities have most recently updated their rates. A clear majority of respondents (88%) have updated their rates within the past two years (2012 and 2013).

As in the Washington section, all charges below are based on the assumption that the utility customer uses 8 ccf (5,984 gal) per month. For utilities that do not bill monthly, the charge was calculated on the assumption of 8 ccf per month usage. It should be noted that

the average usage can vary significantly from agency to agency. Thus, an agency with a lower average usage than 8 ccf per month will have higher bills since the rate structure of that agency was designed for their level of usage.

Figure P shows the average monthly wastewater charges for 8 ccf by county. Based on our survey, the highest charges are found in Multnomah County, while the lowest charges are in Umatilla County.

2013 AVERAGE MONTHLY WASTEWATER CHARGES COMPARISON BY COUNTY*



Figure P: Average Monthly Wastewater Charges Comparison by County in Oregon

*For Multnomah County, utilities with no fixed charge were not included in "average fixed" charge calculation.

**For Union, Umatilla, Polk, Clackamas, Jackson, Malheur, Multnomah, and Deschutes Counties, utilities with no variable charge were not included in "average variable" charge calculation.

Washington Water Survey Participants

County	Service Area	Water Service Provider	Effective Date	Billing Frequency	Fixed Charge	Commodity Charge	Total Charge	Rate Format
BENTON	Kennewick	City of Kennewick	1/1/2013	Bi-Monthly	10.04	17.10	27.14	Uniform
	Richland	City of Richland	1/1/2012	Monthly	25.00	14.25	39.25	Uniform
CHELAN	Wenatchee	City of Wenatchee's Water Resource Division		Bi-Monthly	10.07	24.45	34.52	Uniform
CLALLAM	Port Angeles	City of Port Angeles	1/7/2013	Monthly	26.75	33.95	60.70	Inclining
CLARK	Vancouver	City of Vancouver	1/1/2013	Bi-Monthly	5.76	24.30	30.06	Uniform
COWLITZ	Longview	City of Longview		Monthly	10.44	35.51	45.95	Inclining
FRANKLIN	Pasco	City of Pasco	1/1/2013	Monthly	12.50	9.75	22.25	Uniform
GRAYS HARBOR	Aberdeen	City of Aberdeen		Monthly	30.96	7.42	38.38	Declining
ISLAND	Oak Harbor	City of Oak Harbor	12/20/2012	Monthly	24.25	63.75	88.00	Inclining
KING	Auburn	City of Auburn	1/1/2013	Monthly	13.17	43.87	57.04	Inclining
	Bellevue	City of Bellevue		Bi-Monthly	16.62	56.10	72.72	Inclining
	Bothell	City of Bothell		Bi-Monthly	10.67	62.55	73.22	Inclining
	Burien	Highline Water District		Monthly	13.90	52.50	66.40	Uniform
	Covington	Covington Water District	1/1/2013	Bi-Monthly	18.50	67.45	85.95	Inclining
	Des Moines	Highline Water District	1/1/2013	Monthly	13.90	52.50	66.40	Uniform
	Federal Way	Lakehaven Utility District	1/1/2013	Bi-Monthly	11.30	31.46	42.76	Inclining
	Issaquah	City of Issaquah	12/1/2011	Bi-Monthly	12.78	81.35	94.13	Inclining
	Kenmore	Northshore Utility District	2/2/2013	Bi-Monthly	13.50	60.00	73.50	Inclining
	Kent	City of Kent		Bi-Monthly	12.72	54.01	66.73	Inclining
	Kirkland	City of Kirkland	12/1/2012	Bi-Monthly	17.32	57.95	75.27	Inclining
	Maple Valley	Covington Water District	1/1/2013	Bi-Monthly	18.50	67.45	85.95	Inclining
	Maple Valley	Cedar River Water & Sewer District	2/19/2013	Monthly	18.33	52.28	70.61	Inclining
	Mercer Island	City of Mercer Island		Bi-Monthly	10.84	60.75	71.59	Inclining
	Redmond	City of Redmond	1/1/2013	Bi-Monthly	13.10	49.60	62.70	Inclining
	Renton	City of Renton	1/1/2013	Monthly	16.76	49.62	66.38	Inclining
	Sammamish	Sammamish Plateau Water & Sewer District	4/1/2013	Bi-Monthly	23.48	31.08	54.56	Inclining
	Seatac	King County Water District #125	4/19/2013	Bi-Monthly	12.50	53.60	66.10	Inclining
	Seattle	Seattle Public Utilities	1/1/2013	Bi-Monthly	13.50	67.50	81.00	Uniform

County	Service Area	Water Service Provider	Effective Date	Billing Frequency	Fixed Charge	Commodity Charge	Total Charge	Rate Format
KING	Shoreline	Seattle Public Utilities	1/1/2013	Monthly	16.35	81.90	98.25	Uniform
	Shoreline	Shoreline Water District		Bi-Monthly	25.71	59.37	85.08	Inclining
KITSAP	Tukwila	City of Tukwila	1/1/2013	Monthly	14.00	42.00	56.00	Uniform
	Bremerton	City of Bremerton	5/1/2013	Monthly	10.24	26.55	36.79	Uniform
	Ellensburg	City of Ellensburg	1/1/2013	Monthly	19.60	16.61	36.21	Inclining
	Centralia	City of Centralia	1/1/2013	Monthly	19.03	52.05	71.08	Inclining
	Bonney Lake	City of Bonney Lake	1/1/2013	Monthly	14.32	23.60	37.92	Inclining
PIERCE	Lakewood	Lakewood Water District	1/1/2013	Bi-Monthly	10.82	14.21	25.03	Inclining
	Puyallup	City of Puyallup	3/1/2013	Bi-Monthly	7.17	31.21	38.38	Inclining
	Tacoma	Tacoma Public Utilities	4/1/2013	Monthly	17.78	21.75	39.53	Uniform
	Mount Vernon	Skagit Public Utility District	1/1/2012	Bi-Monthly	19.35	45.39	64.74	Other
SNOHOMISH	Arlington	City of Arlington	1/15/2013	Monthly	32.15	36.08	68.23	Inclining
	Edmonds	Edmonds Utilities	1/1/2013	Bi-Monthly	11.08	34.50	45.58	Uniform
	Everett	City of Everett	1/1/2013	Bi-Monthly	15.13	30.20	45.33	Uniform
	Lake Stevens	Snohomish County Public Utility District	1/1/2013	Monthly	19.87	45.75	65.62	Uniform
	Lynnwood	City of Lynnwood	1/1/2013	Monthly	16.14	18.50	34.64	Inclining
	Marysville	City of Marysville	1/1/2013	Bi-Monthly	10.47	35.47	45.94	Inclining
	Mill Creek	Alderwood Water & Wastewater District	10/1/2013	Bi-Monthly	14.95	35.20	50.15	Inclining
	Monroe	City of Monroe	1/1/2013	Monthly	21.11	27.83	48.94	Uniform
	Mukilteo	Mukilteo Water and Wastewater District	1/1/2013	Bi-Monthly	10.69	32.78	43.47	Uniform
	SPOKANE	Spokane	City of Spokane	1/1/2013	Bi-Monthly	14.09	9.65	23.74
Spokane Valley		Modern Electric Water Company	5/1/2010	Monthly	10.10	5.70	15.80	Uniform
Spokane Valley		Vera Irrigation District #15	1/1/2011	Monthly	14.00	0.00	14.00	Declining
THURSTON	Lacey	City of Lacey	1/1/2013	Monthly	11.82	28.62	40.44	Inclining
	Olympia	City of Olympia	1/1/2013	Bi-Monthly	9.20	42.81	52.01	Inclining
	Tumwater	City of Tumwater	11/1/2013	Monthly	6.64	32.40	39.04	Inclining
	Walla Walla	City of Walla Walla	1/1/2013	Monthly	25.70	21.90	47.60	Uniform
WHATCOM	Bellingham	City of Bellingham	1/1/2013	Bi-Monthly	13.10	23.70	36.80	Uniform
WHITMAN	Pullman	City of Pullman	11/1/2013	Monthly	24.25	22.00	46.25	Inclining
	Sunnyside	City of Sunnyside	1/1/2010	Monthly	11.69	24.54	36.23	Declining
YAKIMA	Yakima	City of Yakima	2/1/2012	Bi-Monthly	7.96	22.65	30.61	Uniform

Washington Wastewater Survey Participants

County	Service Area	Water Service Provider	Effective Date	Billing Frequency	Fixed Charge	Commodity Charge	Total Charge	Rate Format
BENTON	Kennewick	City of Kennewick	1/1/2013	Bi-Monthly	20.74	0.00	20.74	Fixed Only
	Richland	City of Richland	1/1/2010	Monthly	25.60	0.00	25.60	Fixed Only
CHELAN	Wenatchee	City of Wenatchee's Water Resource Division		Bi-Monthly	22.54	0.00	22.54	Fixed Only
CLALLAM	Port Angeles	City of Port Angeles	1/7/2013	Monthly	68.90	0.00	68.90	Fixed Only
CLARK	Vancouver	City of Vancouver	1/1/2013	Bi-Monthly	12.87	21.45	34.32	Fixed and Variable
COWLITZ	Longview	City of Longview		Monthly	29.45	39.12	68.57	Fixed and Variable
FRANKLIN	Pasco	City of Pasco	1/1/2013	Monthly	24.80	0.00	24.80	Fixed Only
GRAYS HARBOR	Aberdeen	City of Aberdeen		Monthly	34.68	0.00	34.68	Fixed Only
ISLAND	Oak Harbor	City of Oak Harbor	12/20/2012	Monthly	47.00	0.00	47.00	Fixed Only
KING	Auburn	City of Auburn	1/1/2013	Monthly	21.02	0.00	21.02	Fixed Only
	Bellevue	City of Bellevue		Bi-Monthly	39.79	24.24	64.03	Fixed and Variable
	Bothell	City of Bothell		Bi-Monthly	64.84	0.00	64.84	Fixed Only
	Burien	Southwest Suburban Sewer District	4/1/2013	Bi-Monthly	27.50	0.00	27.50	Fixed Only
	Covington	Soos Creek Water & Sewer District		Bi-Monthly	56.99	0.00	56.99	Fixed Only
	Des Moines	Midway Sewer District	8/1/2012	Bi-Monthly	24.00	0.00	24.00	Fixed Only
	Federal Way	Lakehaven Utility District	1/1/2013	Bi-Monthly	11.67	36.00	47.67	Fixed and Variable
	Issaquah	City of Issaquah		Bi-Monthly	41.52	17.36	58.88	Fixed and Variable
	Kenmore	Northshore Utility District	2/2/2013	Bi-Monthly	51.10	1.88	52.98	Fixed and Variable
	Kent	City of Kent	1/1/2013	Monthly	57.06	0.00	57.06	Fixed Only
	Kirkland	City of Kirkland	12/1/2012	Bi-Monthly	52.60	21.35	73.95	Fixed and Variable
	Maple Valley	Soos Creek Water & Sewer District		Bi-Monthly	56.99	0.00	56.99	Fixed Only
	Mercer Island	City of Mercer Island		Bi-Monthly	39.79	38.88	78.67	Fixed and Variable
	Redmond	City of Redmond	1/1/2013	Bi-Monthly	52.89	0.00	52.89	Fixed Only
	Renton	City of Renton	1/1/2013	Monthly	67.28	0.00	67.28	Fixed Only
	Sammamish	Sammamish Plateau Water & Sewer District	4/1/2013	Bi-Monthly	68.99	0.00	68.99	Fixed Only
	Seatac	Valley View Sewer District	1/1/2013	Bi-Monthly	51.30	0.00	51.30	Fixed Only

County	Service Area	Water Service Provider	Effective Date	Billing Frequency	Fixed Charge	Commodity Charge	Total Charge	Rate Format
KING	Seattle	Seattle Public Utilities	1/1/2013	Bi-Monthly	11.65	81.55	93.20	Fixed and Variable
	Shoreline	Ronald Wastewater District		Monthly	51.00	0.00	51.00	Fixed Only
	Tukwila	City of Tukwila	1/1/2013	Monthly	62.89	0.00	62.89	Fixed Only
KITSAP	Bremerton	City of Bremerton	5/1/2013	Monthly	31.26	33.52	64.78	Fixed and Variable
	Ellensburg	City of Ellensburg	1/1/2013	Monthly	31.98	0.00	31.98	Fixed Only
LEWIS	Centralia	City of Centralia	1/1/2013	Monthly	61.95	17.44	79.39	Fixed and Variable
PIERCE	Bonney Lake	City of Bonney Lake	7/1/2013	Monthly	44.17	22.00	66.17	Fixed and Variable
	Lakewood	Pierce County	1/1/2013	Monthly	41.86	0.00	41.86	Fixed Only
	Puyallup	City of Puyallup	3/1/2013	Bi-Monthly	16.10	39.04	55.14	Fixed and Variable
SKAGIT	Tacoma	City of Tacoma	3/1/2013	Monthly	19.35	29.12	48.47	Fixed and Variable
	Mount Vernon	City of Mount Vernon	1/1/2013	Bi-Monthly	30.65	22.80	53.45	Fixed and Variable
	Arlington	City of Arlington	1/15/2013	Monthly	70.15	0.00	70.15	Fixed Only
SNOHOMISH	Edmonds	Edmonds Utilities	1/1/2006	Bi-Monthly	25.32	0.00	25.32	Fixed Only
	Everett	City of Everett	1/1/2013	Bi-Monthly	34.94	0.00	34.94	Fixed Only
	Lake Stevens	Lake Stevens Sewer District		Monthly	75.00	0.00	75.00	Fixed Only
SPOKANE	Lynnwood	City of Lynnwood	1/1/2013	Monthly	37.33	0.00	37.33	Fixed Only
	Marysville	City of Marysville	1/1/2013	Bi-Monthly	39.03	0.00	39.03	Fixed Only
	Mill Creek	Alderwood Water & Wastewater District	10/1/2013	Bi-Monthly	54.00	0.75	54.75	Fixed and Variable
THURSTON	Monroe	City of Monroe	1/1/2013	Monthly	72.72	0.00	72.72	Fixed Only
	Mukilteo	Mukilteo Water and Wastewater District	1/1/2013	Bi-Monthly	57.59	0.00	57.59	Fixed Only
	Spokane	City of Spokane	1/1/2013	Monthly	51.38	0.00	51.38	Fixed Only
WALLA WALLA	Spokane Valley	Spokane County Utilities	1/1/2013	Monthly	46.26	0.00	46.26	Fixed Only
	Lacey	City of Lacey	1/1/2013	Monthly	50.47	0.00	50.47	Fixed Only
	Olympia	City of Olympia	1/1/2013	Bi-Monthly	52.53	0.00	52.53	Fixed Only
WHATCOM	Tumwater	City of Tumwater	11/1/2013	Monthly	48.61	0.00	48.61	Fixed Only
	Walla Walla	City of Walla Walla	1/1/2013	Monthly	48.70	0.00	48.70	Fixed Only
	Bellingham	City of Bellingham	1/1/2013	Bi-Monthly	33.97	0.00	33.97	Fixed Only
WHITMAN	Pullman	City of Pullman	11/1/2013	Monthly	38.15	0.00	38.15	Fixed Only
YAKIMA	Sunnyside	City of Sunnyside	1/1/2010	Monthly	40.65	18.05	58.70	Fixed and Variable
	Yakima	City of Yakima	1/1/2013	Bi-Monthly	19.79	22.88	42.67	Fixed and Variable

Oregon Water Survey Participants

County	Service Area	Water Service Provider	Effective Date	Billing Frequency	Fixed Charge	Commodity Charge	Total Charge	Rate Format
BENTON	Corvallis	City of Corvallis	2/1/2013	Monthly	13.40	26.20	39.60	Inclining
CLACKAMAS	Canby	Canby Utility	6/1/2013	Monthly	13.84	25.24	39.08	Inclining
	Damascus	Sunrise Water Authority	7/1/2011	Bi-Monthly	8.75	37.00	45.75	Inclining
	Gladstone	City of Gladstone	7/1/2013	Monthly	13.53	14.22	27.75	Uniform
	Happy Valley	Sunrise Water Authority	7/1/2011	Bi-Monthly	8.75	37.00	45.75	Inclining
	Lake Oswego	City of Lake Oswego	7/1/2013	Bi-Monthly	22.53	42.76	65.29	Inclining
COLUMBIA	Milwaukie	City of Milwaukie	7/1/2013	Monthly	6.04	41.10	47.14	Uniform
	Oregon City	City of Oregon City	7/1/2013	Monthly	13.85	34.80	48.65	Uniform
	West Linn	City of West Linn	1/1/2013	Monthly	17.67	16.24	33.91	Uniform
	Wilsonville	City of Wilsonville	11/1/2011	Monthly	19.88	40.70	60.58	Uniform
	St. Helens	City of St. Helens	12/15/2012	Bi-Monthly	9.52	70.95	80.47	Uniform
COOS	Coos Bay	Coos Bay - North Bend Water Board	7/1/2013	Monthly	18.18	32.14	50.32	Uniform
DESCHUTES	Bend	City of Bend	7/1/2013	Monthly	15.66	17.60	33.26	Uniform
DOUGLAS	Roseburg	City of Roseburg	7/1/2013	Monthly	9.55	22.80	32.35	Uniform
JACKSON	Ashland	City of Ashland	7/1/2013	Monthly	19.42	39.94	59.36	Inclining
	Central Point							
	Medford	Medford Water Commission	3/1/2012	Monthly	7.62	6.94	14.56	Inclining
JOSEPHINE	Grants Pass	City of Grants Pass	1/1/2013	Monthly	13.02	14.30	27.32	Inclining
LANE	Eugene	Eugene Water & Electric Board	2/1/2013	Monthly	16.50	19.73	36.23	Inclining
	Springfield	Springfield Utility Board	1/1/2013	Monthly	11.40	20.24	31.64	Inclining

County	Service Area	Water Service Provider	Effective Date	Billing Frequency	Fixed Charge	Commodity Charge	Total Charge	Rate Format
LINCOLN	Newport	City of Newport	7/1/2013	Monthly	18.90	34.50	53.40	Uniform
	Albany	City of Albany	3/1/2013	Monthly	17.07	44.49	61.56	Declining
MALHEUR	Lebanon	City of Lebanon	7/1/2013	Monthly	18.71	65.25	83.96	Uniform
	Ontario	City of Ontario		Monthly	10.00	14.85	24.85	Uniform
MARION	Keizer	City of Keizer	1/1/2013	Bi-Monthly	4.60	18.00	22.60	Uniform
	Salem	City of Salem	1/1/2013	Monthly	5.87	35.40	41.27	Uniform
MULTNOMAH	Woodburn	City of Woodburn	12/1/2006	Monthly	12.81	26.85	39.66	Inclining
	Gresham	City of Gresham	1/1/2012	Bi-Monthly	20.11	32.85	52.96	Inclining
	Portland	Portland Water Bureau	7/1/2013	Quarterly	10.40	51.62	62.02	Uniform
	Troutdale	City of Troutdale	7/1/2013	Monthly	0.00	31.46	31.46	Uniform
POLK	Dallas	City of Dallas	7/1/2013	Monthly	16.10	20.76	36.86	Uniform
	Hermiston	City of Hermiston	7/1/2010	Monthly	14.65	8.88	23.53	Declining
UMATILLA	Pendleton	City of Pendleton	4/1/2013	Monthly	16.85	15.75	32.60	Inclining
	La Grande	City of La Grande	8/1/2013	Monthly	17.16	9.33	26.49	Declining
WASHINGTON	Beaverton	City of Beaverton	7/1/2013	Monthly	11.00	41.55	52.55	Uniform
	Cornelius	City of Cornelius	7/1/2013	Monthly	21.76	39.64	61.40	Inclining
	Forest Grove	City of Forest Grove	7/1/2013	Monthly	19.71	23.90	43.61	Inclining
	Hillsboro	City of Hillsboro	10/1/2013	Bi-Monthly	12.20	28.16	40.36	Inclining
	Sherwood	City of Sherwood	7/1/2013	Monthly	18.74	56.10	74.84	Inclining
YAMHILL	Tigard	City of Tigard	1/1/2013	Monthly	20.51	50.73	71.24	Inclining
	Tualatin	City of Tualatin	7/1/2013	Monthly	6.90	35.85	42.75	Uniform
	McMinnville	McMinnville Water & Light	10/1/2012	Monthly	12.11	23.05	35.16	Inclining
	Newberg	City of Newberg	1/1/2013	Monthly	6.70	55.80	62.50	Uniform

Oregon Wastewater Survey Participants

County	Service Area	Water Service Provider	Effective Date	Billing Frequency	Fixed Charge	Commodity Charge	Total Charge	Rate Format
BENTON	Corvallis	City of Corvallis	2/1/2013	Monthly	10.70	25.44	36.14	Fixed and Variable
CLACKAMAS	Canby	City of Canby	7/1/2013	Monthly	41.90	0.00	41.90	Fixed Only
	Damascus							
	Gladstone	City of Gladstone	11/1/2008	Monthly	11.65	0.00	11.65	Fixed Only
	Happy Valley	Clackamas County Service District # 1	7/1/2013	Monthly	40.00	0.00	40.00	Fixed Only
	Lake Oswego	City of Lake Oswego	7/1/2013	Bi-Monthly	48.31	14.24	62.55	Fixed and Variable
	Milwaukie	City of Milwaukie	1/1/2013	Monthly	33.75	19.68	53.43	Fixed and Variable
COLUMBIA	Oregon City	City of Oregon City	7/1/2013	Monthly	38.45	0.00	38.45	Fixed Only
	West Linn	City of West Linn	1/1/2013	Monthly	30.84	0.00	30.84	Fixed Only
	Wilsonville	City of Wilsonville	1/1/2013	Monthly	18.03	48.30	66.33	Fixed and Variable
	St. Helens	City of St. Helens	12/15/2012	Bi-Monthly	13.94	42.72	56.66	Fixed and Variable
COOS	Coos Bay	City of Coos Bay	6/1/2013	Monthly	16.63	47.68	64.31	Fixed and Variable
	Bend	City of Bend	7/1/2013	Monthly	44.37	0.00	44.37	Fixed Only
DOUGLAS	Roseburg							
JACKSON	Ashland	City of Ashland	7/1/2013	Monthly	22.66	13.52	36.18	Fixed and Variable
	Central Point	Rogue Valley Sewer Services	7/1/2010	Monthly	15.90	0.00	15.90	Fixed Only
	Medford	City of Medford	3/1/2013	Monthly	15.85	0.00	15.85	Fixed Only
JOSEPHINE	Grants Pass	City of Grants Pass	1/1/2013	Monthly	13.19	16.14	29.33	Fixed and Variable
LANE	Eugene	City of Eugene	7/1/2013	Monthly	11.68	25.71	37.39	Fixed and Variable
	Springfield	City of Springfield	7/1/2013	Monthly	11.68	38.58	50.26	Fixed and Variable

County	Service Area	Water Service Provider	Effective Date	Billing Frequency	Fixed Charge	Commodity Charge	Total Charge	Rate Format
LINCOLN	Newport	City of Newport	7/1/2013	Monthly	21.20	36.60	57.80	Fixed and Variable
	Albany	City of Albany	7/1/2013	Monthly	32.65	18.42	51.06	Fixed and Variable
	Lebanon	City of Lebanon	7/1/2013	Monthly	21.78	49.84	71.62	Fixed and Variable
MALHEUR	Ontario	City of Ontario		Monthly	35.30	0.00	35.30	Fixed Only
MARION	Keizer	City of Keizer	1/1/2013	Bi-Monthly	11.97	24.88	36.85	Fixed and Variable
	Salem	City of Salem	1/1/2013	Monthly	21.45	25.04	46.49	Fixed and Variable
	Woodburn	City of Woodburn	7/1/2013	Monthly	40.77	23.70	64.47	Fixed and Variable
MULTNOMAH	Gresham	City of Gresham	1/1/2012	Bi-Monthly	26.30	0.00	26.30	Fixed Only
	Portland	Bureau of Environmental Services	7/1/2013	Quarterly	0.00	69.60	69.60	Fixed and Variable
	Troutdale	City of Troutdale	7/1/2013	Monthly	33.04	0.00	33.04	Fixed Only
POLK	Dallas	City of Dallas	7/1/2013	Monthly	41.85	0.00	41.85	Fixed Only
UMATILLA	Hermiston	City of Hermiston	7/1/2010	Monthly	20.14	0.00	20.14	Fixed Only
	Pendleton	City of Pendleton	4/1/2013	Monthly	29.70	0.00	29.70	Fixed Only
	La Grande	City of La Grande	8/1/2013	Monthly	38.05	0.00	38.05	Fixed Only
WASHINGTON	Beaverton	City of Beaverton		Monthly	27.10	13.36	40.46	Fixed and Variable
	Cornelius	City of Cornelius	7/1/2013	Monthly	31.83	13.38	45.21	Fixed and Variable
	Forest Grove	City of Forest Grove	7/1/2013	Monthly	28.80	1.34	30.14	Fixed and Variable
YAMHILL	Hillsboro	City of Hillsboro	7/1/2013	Bi-Monthly	25.10	13.36	38.46	Fixed and Variable
	Sherwood	City of Sherwood	7/1/2013	Monthly	25.74	13.36	39.10	Fixed and Variable
	Tigard	City of Tigard	7/1/2013	Monthly	25.10	13.36	38.46	Fixed and Variable
YAMHILL	Tualatin	City of Tualatin	7/1/2013	Monthly	25.87	13.86	39.73	Fixed and Variable
	McMinnville	City of McMinnville	7/1/2013	Monthly	17.25	39.52	56.77	Fixed and Variable
	Newberg	City of Newberg	1/1/2013	Monthly	17.54	57.44	74.98	Fixed and Variable



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