City of Longview

1525 Broadway
Longview, WA 98632
www.ci.longview.wa.us

City Council

Mayor Don Jensen
Council Member Ken Botero
Council Member Chet Makinster
Council Member Steve Moon
Council Member Scott Vydra
Mayor Pro Tem Michael Wallin
Council Member MaryAlice Wallis

Thursday, November 14, 2019	**6:00 PM**	**2nd Floor, City Hall**

The City Hall is accessible for persons with disabilities. Special equipment to assist the hearing impaired is also available. Please contact the City Executive Offices at 360.442.5004 48 hours in advance if you require special accommodations to attend the meeting.

1. CALL TO ORDER

2. WORKSHOP

   19-000451 2020 UTILITY RATE RECOMMENDATIONS

   RECOMMENDED ACTION:
   PROVIDE DIRECTION TO STAFF TO PREPARE UTILITY RATE RESOLUTIONS FOR 2020.

3. EXECUTIVE SESSION TO DISCUSS A REAL ESTATE TRANSACTION

4. ADJOURNMENT

NOVEMBER AND DECEMBER REGULAR MEETINGS RESCHEDULED DUE TO HOLIDAYS
THURSDAY, NOVEMBER 21, 2019 - 7:00 P.M.
THURSDAY, DECEMBER 5, 2019 - 7:00 P.M.
THURSDAY, DECEMBER 19, 2019 - 7:00 P.M.

NEXT SPECIAL MEETINGS:
THURSDAY, DECEMBER 5, 2019 - 5:30 P.M. FEDERAL LEGISLATIVE AGENDA

City of Longview

Agenda Summary

2020 UTILITY RATE RECOMMENDATIONS

RECOMMENDED ACTION:
PROVIDE DIRECTION TO STAFF TO PREPARE UTILITY RATE RESOLUTIONS FOR 2020.

COUNCIL STRATEGIC INITIATIVE ADDRESSED:
Continue effective financial management.
Provide sustainable water quality & environmental infrastructure.

CITY ATTORNEY REVIEW: N/A

SUMMARY STATEMENT:
Staff will present the following recommendations for solid waste, water, sewer, and stormwater utility rates for 2020 for an average single family residential customer:

Utility	2019 Rate	2020 Rate	$ Increase	
Water	$31.33	$33.24	$1.91	
Sewer	$67.46	$67.46	$0	
Stormwater	$13.68	$14.50	$0.82	
Solid Waste	$18.41	$18.78	$0.37	
Combined	$130.88	$133.98	$3.10	(+2.37%)

Staff will also discuss activities and proposed capital improvements for each utility.

Attachments:

1. 2020 Recommended Utility Rates - Revised 11.13.19
2. 2020 Recommended Utility Rates - Revised 11.13.19 B&W Handout
3. 2020 Water Rates - Capital
4. Water Line Replacement Priority - 11.04.19
5. Reservoir No.5 Roof Info
6. 2020 Sewer Rates - Capital
7. 2020 Stormwater Rates - Enhancements and CIP

Proposed 2020 Utility Rates

REVISED – Nov. 13, 2019

Longview City Council Workshop

November 14, 2019

Prepared by

Jeff Cameron, Public Works Director
Steve Haubner, Stormwater Manager
Gregory Hannon, Solid Waste & Recycling Manager

Proposed Monthly Residential Utility Bill

(Based on a monthly water consumption of 600 cf)

Utility	2019 Rate	Proposed 2020 Rate	$ Incr.
Water	$ 31.33	$33.24	$1.91
Sewer	$ 67.46	$67.46	$ 0
Stormwater	$ 13.68	$14.50	$0.82
Solid Waste	$ 18.41	$18.78	$0.37
Combined	$ 130.88	$133.98	$3.10 (+2.37%)

Comparison of 2019 Combined Residential Utility Rates
(Water/Sewer/Storm/Solid Waste; based on a monthly consumption of 600 cf)

Renton	$208.34
Port Angeles	$192.05
Mercer Island	$190.40
Kent	$186.39
Castle Rock	$183.02
Auburn	$161.32
Centralia	$168.71
Chehalis	$165.61
Kalama	$160.03
Bellingham	$150.94
Olympia	$150.18
Mountlake Terrace	$148.91
Everett	$137.39
Edmonds	$136.13
Longview (2020 Proposed)	**$133.98**
Aberdeen	$133.69
Longview (2019 Current)	**$130.88**
Vancouver	$129.64
Woodland	$128.35
Kelso	$121.27
Lynnwood	$120.79
Comparison Average (2019)	**$155.20**

Solid Waste & Recycling

Solid Waste – recycling program

Contract amendment

- Annual CPI - change the designated index
- Annual CPI - percentage adjustment requested by Waste Control
- Shopping Carts Partnership

Other

- County tipping fee increase
- Deluxe rate for Commercial Frontload accounts
- Solid Waste Management Plan update

Waste Control

- What's around the corner for the residents of Longview?
- Current-Future Recycling Trends & Markets

Solid waste – recycling program

Annual CPI change in the Designated Index

The current contract provides for an annual adjustment to reflect changes in the cost of operations, as reflected by fluctuations in the Consumer Price Index, as provided by the Department of Labor.

The Portland/Salem, which has been used since 1998, has been discontinued.

Other index areas were reviewed, including:

- *U.S. City Average*
- *Seattle-Tacoma-Bellevue*
- *West Size Class B/C*

A recommendation will be made to change the Designated Index for the annual CPI adjustment to ***U.S. City Average***, effective 1/1/20.

Solid waste – recycling program

Contractual CPI adjustment

In 2004, Waste Control requested a contract extension, which was approved by the City Council. As part of that extension, Waste Control agreed to reduce the CPI adjustment from 80% to the current 34.2%.

Since 2004, the economy and recycling markets, both local and abroad, have changed significantly:

2004-2014

- *Sorting charges increased from $48.59 to $53.24/ton (+ 9.6%)*
- *State minimum wages increased from $7.16 to $9.47/hour (+32.3%)*

2019-20

- *The current state minimum wage is $12.00/hr. (+67.6% since 2004) and is projected to increase to $13.50 in 2020 (+88.5%).*

Other costs have increased for Waste Control since 2014, such as labor costs (+28%), health insurance (+40%) and liability insurance (+68%). As a result, Waste Control has requested that the contractual CPI adjustment be reinstated back to the 80% level.

Solid waste – recycling program

Contractual CPI adjustment – what is the budget impact?

	(Current Contract) 34.2%	80%	Percent Difference
2018	1.23%	2.88%	1.65%
2019	1.05%	2.44%	1.39%
2-year Total	2.28%	5.32%	3.04%

2018 Budget Impact (+ 1.65%)

● Final Solid Waste Collection	$1,705,212	$28,136
● Final Recycling Collection	$749,872	$12,373

Additional cost paid to Waste Control at 80% for 2018:$40,509

Percent of the total 2018 Sanitation budget expenditures:0.078%

A recommendation will be made to reinstate the annual CPI adjustment for Waste Control from 34.2% to 80%, effective 1/1/20

Solid waste – recycling program

Shopping carts – Ordinance 3399

Key dates

- April 11, 2019 — Ordinance adopted. Published on 4/17/19
- May 17, 2019 — Ordinance became effective
- November 17, 2019 — Shopping Cart Containment Plan submitted to the City / per Ord.
- February 17, 2020 — Shopping Cart Containment Plan to be implemented / per Ord.

Ordinance 3399 only applies to stores with **11** or more shopping carts. Once notified, the stores have 14 days to retrieve their carts.

In addition to the legislative process outlined in Ordinance 3399, the City will partner with Waste Control to expedite the removal of abandoned shopping carts before the enforcement elements are initiated, such as:

Solid waste – recycling program

Shopping carts, continued…

- Waste Control will retrieve any shopping cart they find, or, if contacted by the City, the cart will be removed within 24 hours, at no additional cost to the City. If the cart has garbage, it will still be removed.
- The store(s) will be contacted to have them retrieve their carts at Waste Control.
- For carts that are owned by a store that has it's own contractor, Waste Control will remove the cart and will contact that contractor to come to Waste Control and retrieve those carts.
- Waste Control will store all collected carts at their facility.

Solid waste – recycling program

Shopping carts, continued…

A recommendation will be made to include a "*Shopping Cart Retrieval Partnership Program*" to the existing Solid Waste Collection contract, effective 1/1/20:

Shopping Cart Retrieval Partnership Program

The Contractor shall be responsible to collect abandoned shopping carts within the Longview city limits, within 24 hours after receiving a request of the City and shall do so without any additional cost to the City.

Upon collection, the Contractor shall store the abandoned shopping carts for at least fourteen (14) days at their facility. Waste Control shall notify the cart owner or the store contractor to retrieve their cart(s) or may return the cart(s) back to the stores.

The City and Contractor shall mutually agree on such other procedures for the handling of the abandoned shopping carts as may be reasonable and necessary to control the proliferation of abandoned shopping carts throughout the City.

Solid waste – recycling program

Solid Waste Tipping Fee increase

The County Finance Department made a presentation before the Solid Waste Advisory Committee (SWAC) and Governance Committee regarding a proposed increase of 9.39% to the tipping fee. Both committees approved the recommendation.

The BOCC approved the rate increase, raising the tipping fees from $51.02/ton to $55.81/ton, effective 1/1/20.

Two main reasons behind the higher than normal rate increase:

- The CPI used to calculate the rate for 2018-19 was done in error
- Large economic growth

Note: To reduce the impact of future rate increases, the SWAC recommended to the BOCC that the tipping fee increase be done annually rather than every two years. If approved, the next rate increase would be effective on 1/1/22.

Comparison of 2018 Landfill Tipping Fees / Ton

Clallam County ***Port Angeles***	**$186.36**
King County ***Renton, Kent, Mercer Island, Auburn***	**$144.34**
Whatcom County ***Bellingham***	**$140.00**
Thurston County ***Olympia***	**$119.00**
Snohomish County ***Mountlake Terrace, Lynnwood, Edmonds, Everett***	**$105.00**
Grays Harbor ***Aberdeen***	**$101.00**
Lewis County ***Centralia, Chehalis***	**$90.00**
Clark County ***Vancouver***	**$93.22**
Cowlitz County ***Longview, Kelso, Woodland, Kalama, Castle Rock***	**$51.02** **$55.81**

Data provided by the Department of Ecology

www.longviewrecycles.com

Solid waste – recycling program

Deluxe Rate for Commercial Frontload accounts

The current contract provided by Waste Control was designed and intended to maximize service efficiencies to the ratepayers.

Once you deviate away from providing this level of service, i.e. require the driver to get out of the truck to perform an additional service, a deluxe service is warranted.

Waste Control notified the city that several commercial accounts have their frontload container behind a gated containment area. The drivers have been getting out to open the gates and position the container to be emptied.

- Inefficient
- Not part of the current contract
- Business/property owner's responsibility

Solid waste – recycling program

Deluxe Rate for Commercial Frontload accounts

No. of commercial businesses with a frontload container:	**55**
No. of businesses whose container is behind a gate:	24
No. of businesses choosing to pay the deluxe rate:	22

The current rate resolution provides for a Commercial Deluxe rate charge, including:

- 90-gallon cart: $2.57/pick
- 300-gallon tub: $7.26/pick
- Frontload container: None

A recommendation will be made to provide for a deluxe rate for a commercial frontload container at $7.26/pick, or as hereinafter amended.

Solid waste – recycling program

Solid Waste Management Plan (SWMP) update

The Solid Waste Advisory Committee (SWAC) conducted its first meeting on 12/19/18. The existing plan is over twenty years old, which includes several revisions. Some information provided in the current plan is no longer a requirement from Ecology.

The County solid waste system has gone through some significant changes, particularly:

- Closure of the Tennant Way Landfill, which previously was operating at 120,000 tons/year;
- Acquisition of the Headquarters Landfill, currently operating at 750,000 tons/year;
- Closure of the Tennant Way Composting Facility; and,
- The retirement of the County Solid Waste Manager, who oversaw the last couple of Plan updates.

Solid waste – recycling program

Solid Waste Management Plan (SWMP) update

The Committee discussed what was the best approach regarding the current SWMP – to work on another ***revision*** or to ***rewrite*** the plan.

The Committee chose to rewrite the Solid Waste Management Plan, commenting that the current plan is an old document and that a rewrite would provide for a more streamlined document, one that would be better aligned with current Ecology guidelines.

The current schedule has the final draft available for public comment and reviewed by Cities by the Spring of 2020.

Curbside Recycling Update

What's around the corner for Longview Residents?

Overview: Current-Future Recycling Trends & Markets

Waste Control
Recycling, Inc.

Presented by
Joe Willis, President
Kevin Willis, Secretary

Curbside Recycling – Audits by Area

	Highlands	Monday	Tuesday	Wednesday	Thursday	Friday	City - Audit
Aug-08	59.4%	59.4%	48.4%	44.4%	63.5%	44.1%	52.3%
Feb-09	54.5%	51.4%	35.6%	29.9%	29.9%	20.0%	34.5%
Aug-10	34.4%	33.2%	17.7%	23.6%	23.3%	19.6%	23.9%
Aug-11	30.9%	31.8%	21.9%	21.4%	19.9%	22.3%	23.2%
Aug-12	30.5%	29.4%	21.9%	23.4%	22.1%	20.7%	23.6%
Sep-13	25.3%	25.2%	15.1%	18.0%	15.4%	14.5%	18.0%
Aug-14	32.6%	31.8%	32.7%	21.1%	20.6%	16.9%	24.8%
Sep-15	31.2%	29.1%	23.0%	20.9%	21.5%	19.5%	23.0%
Sep-16	33.6%	28.7%	24.2%	30.0%	29.6%	20.7%	28.1%
Sep-18	33.1%	31.6%	25.8%	26.5%	17.4%	27.4%	25.3%
May-19	**35.2%**	**18.7%**	**20.0%**	**20.0%**	**22.7%**	**33.1%**	**25.2%**

Note: The percentages shown above represent a one-week audit period only.
The overall citywide contamination rate for 2019 is currently at **13.3%** (thru September).

Collection Routes:
Mon: Highlands, St. Helens
Tue: Downtown, Broadway, Third Avenue, Old West Side, New West Side
Wed: Barlow Point, W. Longview, Mint Valley, Hillside Acres, Memorial Park
Thu: Olympic East, Olympic West, Columbia Valley
Gardens
Fri: Northlake, Glenwood, Columbia Heights, Cascade, City View

Curbside Recycling – Enforcement

Total Number of Tags Issued

		Monday	Tuesday	Wednesday	Thursday	Friday	Citywide
2010-19	Education	960	606	887	809	446	3,708
		25.9%	16.3%	23.9%	21.8%	12.0%	36.6%
	Violation	3,295	1,139	756	971	273	6,434
		51.2%	17.7%	11.8%	15.1%	4.2%	63.4%
	Total	4,255	1,745	1,643	1,780	719	10,142
		42.0%	17.2%	16.2%	17.6%	7.1%	

Note: For the period covering Feb 2010 through September 2019

Curbside Recycling – Characterization Summary

- **Recent Audit Period: May 6 – 10, 2019**

Lbs. of recyclable material sorted: 55,420

	Monday	Tuesday	Wednesday	Thursday	Friday	TOTALS / LBS	TOTALS / %
Mixed Paper / News	2,712	3,848	7,327	4,668	2,849	21,404	38.7%
Cardboard	4,106	3,914	4,648	4,558	2,690	19,916	35.9%
Plastics 1&2	1,292	1,210	1,804	1,792	1,058	7,156	12.9%
Glass	632	445	693	562	273	2,605	4.7%
Other Metals	530	260	400	410	106	1,706	3.1%
Tin Cans	263	270	340	308	229	1,410	2.5%
Aluminum Cans	205	223	328	262	205	1,223	2.2%
TOTALS	**9,740**	**10,170**	**15,540**	**12,560**	**7,410**	**55,420**	**100.0%**
Percent by Collection Area:	17.6%	18.4%	28.0%	22.7%	13.4%		

Note: "Other metals" that are not tin cans, such as fans, chairs, toys, miscellaneous metals, etc.

Curbside Recycling

- **Glass drop-off sites**

  Since removing glass from the curbside program, staff looked into setting up various drop boxes in the community for the collection of glass to make it more convenient for Longview residents to recycle glass instead of driving directly to Waste Control.

  However, history shows that some will use these sites to illegally dump garbage or other debris. Businesses will not want to see this on their property.

- **A voluntary yard waste program**

  In early 2019, staff looked into the feasibility of a voluntary yard waste program. In recent years, the markets for this material has become more restrictive. Due to the chemicals that many place on their lawns, any new yard waste program would exclude grass clippings.

  Until the markets change and grass clippings are an acceptable material, staff recommends we do not consider a yard waste program at this time.

- **Raise the contamination penalty**

  The current enforcement process involves a three-tier inspection process. For those that go through this process and the recycling cart is removed, a penalty of $10/month is imposed.

  Consider increasing the penalty to $20/month for new cases, effective 1/1/20.

2020 Solid Waste & Recycling Rates

2020 Residential Solid Waste-Recycling Rate Plan

Year	Monthly Rate	$ Incr.	% Incr.	Previous Projection
2013	$16.39	$0.55	3.5%	
2014	$17.78	$1.39	8.5%	
2015	$18.41	$0.63	3.5%	
2016	$18.41	$0.00	0.0%	
2017	$18.41	$0.00	0.0%	
2018	$18.41	$0.00	0.0%	
2019	$18.41	$0.00	0.0%	
2020	**$18.78**	**$0.37**	**2.0%**	**1.5%**
2021	$19.16	$0.38	2.0%	1.5%
2022	$19.54	$0.38	2.0%	1.5%
2023	$19.93	$0.39	1.5%	
2024	$20.23	$0.30	1.5%	

Distribution of 2020 Solid Waste-Recycling Rate

Rate Component	Utility Cost	% of Total	Utility Activity
$5.78	$1,800,000	30.8%	SW Collection
$5.41	$1,685,930	28.8%	Operations
$5.15	$1,600,000	27.4%	Waste Disposal
$2.44	$760,000	13.0%	Recycling Collection
$18.78	$5,845,930	100%	

Both SW-Recycling Collection include a CPI increase of 2.5%. Waste Disposal includes a 1% increase to the annual tonnage and the 9.3% increase in the tipping fees.

Operations includes, but not limited to: City/State Taxes, Salaries/benefits, Administrative overhead, Operating Reserve Fund and Property Abatement costs.

Comparison of 2019 Residential SW-Recycling Rates

Renton	$80.09	*Curbside*
Kent	$63.84	*Curbside*
Mercer Island	$63.26	*Curbside*
Vancouver	$62.63	*Curbside*
Aberdeen	$56.80	*Curbside*
Olympia	$56.23	*Curbside*
Mountlake Terrace	$53.22	*Curbside*
Bellingham	$52.67	*Curbside*
Port Angeles	$41.08	*Curbside*
Everett	$36.42	*Curbside*
Centralia	$35.71	*Curbside*
Auburn	$34.86	*Curbside*
Edmonds	$33.51	*Curbside*
Lynnwood	$33.51	*Curbside*
Chehalis	$30.21	*Curbside*
Castle Rock *(no mandatory collection)*	$25.28	*Drop sites*
Kalama	$25.28	*Drop sites*
Woodland	$25.28	*Curbside*
Longview (2020 Proposed)	**$18.78**	***Curbside***
Longview (2019 Current)	**$18.41**	***Curbside***
Kelso	$15.72	*Drop sites*
Comparison Average (2019)	**$42.20**	

Monthly rates are based on a 90 (or 95)-gallon container picked weekly

www.longviewrecycles.com

Recommendations

Contract Amendment No. 6

- Change the CPI Designated Index to U.S. City Average
- Change the CPI Index adjustment for Waste Control to 80%
- Add contract language for a Shopping Cart Retrieval Partnership Program

Rate Resolution

- Approve the garbage-recycling rate increase of 2%
- Approve the deluxe rate for a commercial front load container

Questions?

Water

2020 Water Capital Projects

Water Distribution Capital	Amount
Vehicle Depreciation Shortfall	$20,000
Annual Valve Replacement	$30,000
Annual Main Replacement	$1,100,000
Reservoir Security	$50,000
Large Meter Replacement	$120,000
Wonderware Software (SCADA) Upgrade and Redevelopment	$50,000
SCADA System – Restore Telemetry	$100,000
Water Master Plan/RRA/ERP (50% of cost)	$200,000
Relocation for Road Reconstruction (Resume 2021)	$0
LID Replacements (Resume 2022)	$0
TOTAL	**$1,670,000**

2020 Filter Plant Projects

Filter Plant Capital Projects	Amount
Miscellaneous Capital Repairs	$50,000
Variable Frequency Drives - 3 Well Motors	$327,000
Pressure Filters Hatches Replacement	$495,000
Wonderware Software (Control) Upgrade and Redevelopment	$115,000
TOTAL	**$987,000**

2020 Residential Water Rate Plan

(Based on a monthly consumption of 600 cf)

Year	Monthly Rate	$ Incr.	% Incr.	Previous Projection
2015	$25.91	$1.62	6.5%	
2016	$27.09	$1.18	4.5%	
2017	$28.59	$1.50	5.5%	
2018	$29.26	$1.37	4.7%	
2019	$31.33	$1.37	4.5%	
2020	**$33.24**	**$1.91**	**6.0%**	**4.5%**
2021	$35.26	$2.02	6.0%	4.5%
2022	$38.06	$2.80	8.0%	4.5%
2023	$41.08	$3.02	8.0%	2.0%
2024	$44.39	$3.31	8.0%	

Distribution of 2020 Residential Water Rate

Rate Component	Revenue Generated	% of Total	Use of Income
$24.83	$6,278,500	74.7 %	Operations
$ 6.81	$1,726,400	20.5 %	Debt Service
$ 1.60	$ 399,300	4.8 %	Rate Funded Capital
$ 0	$ 0	0 %	Depreciation
$33.24	$8,404,200	100%	

Comparison of 2019 Residential Water Rates

(Based on a monthly consumption of 600 cf)

Castle Rock	$65.24
Port Angeles	$50.83
Mountlake Terrace	$47.44
Bellingham	$42.45
Mercer Island	$41.98
Edmonds	$41.79
Centralia	$40.49
Woodland	$39.58
Kent	$39.40
Renton	$33.71
Auburn	$36.45
Kelso	$34.58
Chehalis	$33.88
Longview (2020 Proposed)	**$33.24**
Aberdeen	$31.58
Longview (2019 Current)	**$31.33**
Lynnwood	$27.99
Everett	$27.39
Kalama	$23.10
Vancouver	$22.99
Olympia	$18.62
Comparison Average (2019)	**$36.54**

Sewer

Proposed Depreciation Funding

	Percent	Amount
2019	0%	
2020	100%	$1,495,800
2021	100%	$1,590,100
2022	100%	$1,716,400
2023	100%	$1,828,900
2024	100%	$1,901,400

2020 Sewer Capital Projects

Capital Projects	Amount
Annual LID Projects	$300,000
Annual Main Replacements	$575,000
Annual In-Situ Liner Projects	$525,000
38th & Oak PS and 38th & Pennsylvania PS Rehab (50% of cost)	$1,047,000
Wonderware Software (SCADA) Upgrade & Redevelopment	$102,000
SCADA – Restore Telemetry	$406,000
Mint Farm PS Odor Control	$90,000
OB #4 Odor Control Tank/Filter Replacement	$35,000
Vehicle Depreciation Shortfall	$20,000
New Vacuum Truck – Medium Chassis (Smaller Size Unit)	$205,000
Road Reconstruction (Resume 2021)	$0
PS Rehab – Various Future Stations (Resume 2021)	$0
TOTAL	**$3,305,000**

2020 Residential Sewer Rate Plan

(Based on a monthly consumption of 600 cf)

Year	Monthly Rate	$ Incr.	% Incr.	Previous Projection
2015	$63.59	$3.02	5.0%	
2016	$64.21	$0.62	1.0%	
2017	$64.83	$0.62	1.0%	
2018	$66.14	$1.31	2.0%	
2019	$67.46	$1.32	2.0%	
2020	**$67.46**	**$ 0**	**0%**	**2.0%**
2021	$68.16	$0.70	1.0%	2.0%
2022	$69.50	$1.34	2.0%	3.5%
2023	$71.56	$2.06	3.0%	4.0%
2024	$73.72	$2.16	3.0%	

Distribution of 2020 Residential Sewer Rate

Rate Component	Revenue Generated	% of Total	Use of Income
$17.74	$3,372,100	26.3 %	TRWWA Operations
$ 5.94	$1,123,100	8.8 %	TRWWA Debt Service
$28.94	$5,500,600	42.9 %	Operations
$ 6.95	$1,315,200	10.3 %	Debt Service
$ 0.00	$ 0	0 %	Rate Funded Capital
$ 7.89	$1,495,800	11.7 %	Depreciation
$67.46	$12,806,800	100%	

Comparison of 2019 Residential Sewer Rates

(Based on a monthly consumption of 600 cf)

Kalama	$106.15
Chehalis	$92.07
Castle Rock	$85.08
Port Angeles	$83.27
Centralia	$82.13
Renton	$75.24
Auburn	$70.50
Kent	$70.34
Mercer Island	$67.83
Longview (2020 Proposed)	**$67.46**
Longview (2019 Current)	**$67.46**
Woodland	$63.49
Olympia	$61.28
Kelso	$60.74
Everett	$49.44
Lynnwood	$46.16
Bellingham	$44.52
Edmonds	$43.65
Aberdeen	$38.62
Mountlake Terrace	$36.80
Vancouver	$33.06
Comparison Average (2019)	**$63.89**

Stormwater

2020 Stormwater Enhancements

Enhancement	
Additional Urban Forestry Crew	$436,700
Equipment for Additional Crew (New Debt Service 2020)	$45,800
Equipment Cost = $405,000	
Stormwater Utility Billing and Rate Review	$100,000
TOTAL	**$582,500**

2020 Stormwater Capital Projects

Capital Projects	Amount
Beech Street Box Culvert Maintenance	$25,000
Stormwater Specialist Vehicle	$35,000
Vehicle Depreciation Shortfall	$47,000
Miscellaneous Stormwater Projects	$100,000
TOTAL	**$217,000**

2020 Residential Stormwater Rate Plan

Year	Monthly Rate	$ Incr.	% Incr.	Previous Projection
2015	$9.09	$1.12	14.0%	
2016	$10.09	$0.49	11.0%	
2017	$11.10	$1.01	10.0%	
2018	$12.21	$1.11	10.0%	
2019	$13.68	$1.47	12.0%	
2020	**$14.50**	**$0.82**	**6.0%**	**8.0%**
2021	$15.30	$0.80	5.5%	3.0%
2022	$16.07	$0.77	5.0%	3.0%
2023	$16.55	$0.48	3.0%	3.0%
2024	$17.05	$0.50	3.0%	--

Distribution of 2020 Residential Stormwater Rate

Rate Component	Revenue Generated	% of Total	Use of Income
$5.52	$2,037,800	38.0 %	Urban Forestry
$5.49	$2,029,500	37.9 %	Stormwater Operations
$2.14	$ 790,800	14.8 %	NPDES Permit & Development Review
$0.80	$ 294,400	5.5 %	Debt Service
$0.55	$ 203,800	3.8 %	Rate Funded Capital
$0.00	$ 0	0 %	Depreciation
$14.50	**$5,356,300**	**100%**	**TOTAL**

Comparison of 2019 Residential Stormwater Rates

Everett	$24.14
Auburn	$19.51
Mercer Island	$17.33
Edmonds	$17.18
Port Angeles	$16.87
Renton	$14.85
Longview (2020 Proposed)	**$14.50**
Olympia	$14.05
Longview (2019 Current)	**$13.68**
Lynnwood	$13.12
Kent	$12.81
Mountlake Terrace	$11.45
Bellingham	$11.30
Vancouver	$10.96
Centralia	$10.44
Kelso	$10.23
Chehalis (*not a stormwater permittee*)	$9.45
Castle Rock (*not a stormwater permittee*)	$7.42
Aberdeen	$6.69
Kalama (*not a stormwater permittee*)	$5.50
Woodland (*not a stormwater permittee*)	$0.00
Comparison Average (2019)	**$13.00**

DISCUSSION

Proposed 2020 Utility Rates

REVISED – Nov. 13, 2019

Longview City Council Workshop

November 14, 2019

Prepared by

Jeff Cameron, Public Works Director
Steve Haubner, Stormwater Manager
Gregory Hannon, Solid Waste & Recycling Manager

2020 Utility Rate Information

Proposed Monthly Residential Utility Bill

(Based on a monthly water consumption of 600 cf)

Utility	2019 Rate	Proposed 2020 Rate	$ Incr.
Water	$ 31.33	$33.24	$1.91
Sewer	$ 67.46	$67.46	$ 0
Stormwater	$ 13.68	$14.50	$0.82
Solid Waste	$ 18.41	$18.78	$0.37
Combined	$ 130.88	$133.98	$3.10 (+2.37%)

Comparison of 2019 Combined Residential Utility Rates

(Water/Sewer/Storm/Solid Waste; based on a monthly consumption of 600 cf)

Renton	$208.34
Port Angeles	$192.05
Mercer Island	$190.40
Kent	$186.39
Castle Rock	$183.02
Auburn	$161.32
Centralia	$168.71
Chehalis	$165.61
Kalama	$160.03
Bellingham	$150.94
Olympia	$150.18
Mountlake Terrace	$148.91
Everett	$137.39
Edmonds	$136.13
Longview (2020 Proposed)	**$133.98**
Aberdeen	$133.69
Longview (2019 Current)	**$130.88**
Vancouver	$129.64
Woodland	$128.35
Kelso	$121.27
Lynnwood	$120.79
Comparison Average (2019)	**$155.20**

Solid Waste & Recycling

Solid Waste – recycling program

Contract amendment

- Annual CPI - change the designated index
- Annual CPI - percentage adjustment requested by Waste Control
- Shopping Carts Partnership

Other

- County tipping fee increase
- Deluxe rate for Commercial Frontload accounts
- Solid Waste Management Plan update

Waste Control

- What's around the corner for the residents of Longview?
- Current-Future Recycling Trends & Markets

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Solid waste – recycling program

Annual CPI change in the Designated Index

The current contract provides for an annual adjustment to reflect changes in the cost of operations, as reflected by fluctuations in the Consumer Price Index, as provided by the Department of Labor.

The Portland/Salem, which has been used since 1998, has been discontinued.

Other index areas were reviewed, including:

- *U.S. City Average*
- *Seattle-Tacoma-Bellevue*
- *West Size Class B/C*

A recommendation will be made to change the Designated Index for the annual CPI adjustment to ***U.S. City Average***, effective 1/1/20.

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Solid waste – recycling program

Contractual CPI adjustment

In 2004, Waste Control requested a contract extension, which was approved by the City Council. As part of that extension, Waste Control agreed to reduce the CPI adjustment from 80% to the current 34.2%.

Since 2004, the economy and recycling markets, both local and abroad, have changed significantly:

2004-2014

- *Sorting charges increased from $48.59 to $53.24/ton (+ 9.6%)*
- *State minimum wages increased from $7.16 to $9.47/hour (+32.3%)*

2019-20

- *The current state minimum wage is $12.00/hr. (+67.6% since 2004) and is projected to increase to $13.50 in 2020 (+88.5%).*

Other costs have increased for Waste Control since 2014, such as labor costs (+28%), health insurance (+40%) and liability insurance (+68%). As a result, Waste Control has requested that the contractual CPI adjustment be reinstated back to the 80% level.

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Solid waste – recycling program

Contractual CPI adjustment – what is the budget impact?

	(Current Contract) 34.2%	80%	Percent Difference
2018	1.23%	2.88%	1.65%
2019	1.05%	2.44%	1.39%
2-year Total	2.28%	5.32%	3.04%

2018 Budget Impact (+ 1.65%)

• Final Solid Waste Collection	$1,705,212	$28,136
• Final Recycling Collection	$749,872	$12,373

Additional cost paid to Waste Control at 80% for 2018:$40,509
Percent of the total 2018 Sanitation budget expenditures:0.078%

A recommendation will be made to reinstate the annual CPI adjustment for Waste Control from 34.2% to 80%, effective 1/1/20

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Solid waste – recycling program

Shopping carts – Ordinance 3399

Key dates

- April 11, 2019 Ordinance adopted. Published on 4/17/19
- May 17, 2019 Ordinance became effective
- November 17, 2019 Shopping Cart Containment Plan submitted to the City / per Ord.
- February 17, 2020 Shopping Cart Containment Plan to be implemented / per Ord.

Ordinance 3399 only applies to stores with **11** or more shopping carts. Once notified, the stores have 14 days to retrieve their carts.

In addition to the legislative process outlined in Ordinance 3399, the City will partner with Waste Control to expedite the removal of abandoned shopping carts before the enforcement elements are initiated, such as:

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Solid waste – recycling program

Shopping carts, continued…

- Waste Control will retrieve any shopping cart they find, or, if contacted by the City, the cart will be removed within 24 hours, at no additional cost to the City. If the cart has garbage, it will still be removed.
- The store(s) will be contacted to have them retrieve their carts at Waste Control.
- For carts that are owned by a store that has it's own contractor, Waste Control will remove the cart and will contact that contractor to come to Waste Control and retrieve those carts.
- Waste Control will store all collected carts at their facility.

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Solid waste – recycling program

Shopping carts, continued…

A recommendation will be made to include a "*Shopping Cart Retrieval Partnership Program*" to the existing Solid Waste Collection contract, effective 1/1/20:

<u>Shopping Cart Retrieval Partnership Program</u>

The Contractor shall be responsible to collect abandoned shopping carts within the Longview city limits, within 24 hours after receiving a request of the City and shall do so without any additional cost to the City.

Upon collection, the Contractor shall store the abandoned shopping carts for at least fourteen (14) days at their facility. Waste Control shall notify the cart owner or the store contractor to retrieve their cart(s) or may return the cart(s) back to the stores.

The City and Contractor shall mutually agree on such other procedures for the handling of the abandoned shopping carts as may be reasonable and necessary to control the proliferation of abandoned shopping carts throughout the City.

Solid waste – recycling program

Solid Waste Tipping Fee increase

The County Finance Department made a presentation before the Solid Waste Advisory Committee (SWAC) and Governance Committee regarding a proposed increase of 9.39% to the tipping fee. Both committees approved the recommendation.

The BOCC approved the rate increase, raising the tipping fees from $51.02/ton to $55.81/ton, effective 1/1/20.

Two main reasons behind the higher than normal rate increase:

- The CPI used to calculate the rate for 2018-19 was done in error
- Large economic growth

<u>Note</u>: To reduce the impact of future rate increases, the SWAC recommended to the BOCC that the tipping fee increase be done annually rather than every two years. If approved, the next rate increase would be effective on 1/1/22.

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Comparison of 2018 Landfill Tipping Fees / Ton

Clallam County ***Port Angeles***	**$186.36**
King County ***Renton, Kent, Mercer Island, Auburn***	**$144.34**
Whatcom County ***Bellingham***	**$140.00**
Thurston County ***Olympia***	**$119.00**
Snohomish County ***Mountlake Terrace, Lynnwood, Edmonds, Everett***	**$105.00**
Grays Harbor ***Aberdeen***	**$101.00**
Lewis County ***Centralia, Chehalis***	**$90.00**
Clark County ***Vancouver***	**$93.22**
Cowlitz County ***Longview, Kelso, Woodland, Kalama, Castle Rock***	**$51.02** **$55.81**

Data provided by the Department of Ecology

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Solid waste – recycling program

Deluxe Rate for Commercial Frontload accounts

The current contract provided by Waste Control was designed and intended to maximize service efficiencies to the ratepayers.

Once you deviate away from providing this level of service, i.e. require the driver to get out of the truck to perform an additional service, a deluxe service is warranted.

Waste Control notified the city that several commercial accounts have their frontload container behind a gated containment area. The drivers have been getting out to open the gates and position the container to be emptied.

- Inefficient
- Not part of the current contract
- Business/property owner's responsibility

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Solid waste – recycling program

Deluxe Rate for Commercial Frontload accounts

No. of commercial businesses with a frontload container:	**55**
No. of businesses whose container is behind a gate:	24
No. of businesses choosing to pay the deluxe rate:	22

The current rate resolution provides for a Commercial Deluxe rate charge, including:

- 90-gallon cart: $2.57/pick
- 300-gallon tub: $7.26/pick
- Frontload container: None

A recommendation will be made to provide for a deluxe rate for a commercial frontload container at $7.26/pick, or as hereinafter amended.

Solid waste – recycling program

Solid Waste Management Plan (SWMP) update

The Solid Waste Advisory Committee (SWAC) conducted its first meeting on 12/19/18. The existing plan is over twenty years old, which includes several revisions. Some information provided in the current plan is no longer a requirement from Ecology.

The County solid waste system has gone through some significant changes, particularly:

- Closure of the Tennant Way Landfill, which previously was operating at 120,000 tons/year;
- Acquisition of the Headquarters Landfill, currently operating at 750,000 tons/year;
- Closure of the Tennant Way Composting Facility; and,
- The retirement of the County Solid Waste Manager, who oversaw the last couple of Plan updates.

Solid waste – recycling program

Solid Waste Management Plan (SWMP) update

The Committee discussed what was the best approach regarding the current SWMP – to work on another ***revision*** or to ***rewrite*** the plan.

The Committee chose to rewrite the Solid Waste Management Plan, commenting that the current plan is an old document and that a rewrite would provide for a more streamlined document, one that would be better aligned with current Ecology guidelines.

The current schedule has the final draft available for public comment and reviewed by Cities by the Spring of 2020.

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Curbside Recycling Update

What's around the corner for Longview Residents?

Overview: Current-Future Recycling Trends & Markets

Waste Control
Recycling, Inc.

Presented by
Joe Willis, President
Kevin Willis, Secretary

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Curbside Recycling – Audits by Area

	Highlands	Monday	Tuesday	Wednesday	Thursday	Friday	City - Audit
Aug-08	59.4%	59.4%	48.4%	44.4%	63.5%	44.1%	52.3%
Feb-09	54.5%	51.4%	35.6%	29.9%	29.9%	20.0%	34.5%
Aug-10	34.4%	33.2%	17.7%	23.6%	23.3%	19.6%	23.9%
Aug-11	30.9%	31.8%	21.9%	21.4%	19.9%	22.3%	23.2%
Aug-12	30.5%	29.4%	21.9%	23.4%	22.1%	20.7%	23.6%
Sep-13	25.3%	25.2%	15.1%	18.0%	15.4%	14.5%	18.0%
Aug-14	32.6%	31.8%	32.7%	21.1%	20.6%	16.9%	24.8%
Sep-15	31.2%	29.1%	23.0%	20.9%	21.5%	19.5%	23.0%
Sep-16	33.6%	28.7%	24.2%	30.0%	29.6%	20.7%	28.1%
Sep-18	33.1%	31.6%	25.8%	26.5%	17.4%	27.4%	25.3%
May-19	**35.2%**	**18.7%**	**20.0%**	**20.0%**	**22.7%**	**33.1%**	**25.2%**

Note: The percentages shown above represent a one-week audit period only.
The overall citywide contamination rate for 2019 is currently at **13.3%** (thru September).

Collection Routes:
Mon: Highlands, St. Helens
Tue: Downtown, Broadway, Third Avenue, Old West Side, New West Side
Wed: Barlow Point, W. Longview, Mint Valley, Hillside Acres, Memorial Park
Thu: Olympic East, Olympic West, Columbia Valley
Gardens
Fri: Northlake, Glenwood, Columbia Heights, Cascade, City View

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Curbside Recycling – Enforcement

Total Number of Tags Issued

		Monday	Tuesday	Wednesday	Thursday	Friday	Citywide
2010-19	Education	960	606	887	809	446	3,708
		25.9%	16.3%	23.9%	21.8%	12.0%	36.6%
	Violation	3,295	1,139	756	971	273	6,434
		51.2%	17.7%	11.8%	15.1%	4.2%	63.4%
	Total	4,255	1,745	1,643	1,780	719	10,142
		42.0%	17.2%	16.2%	17.6%	7.1%	

Note: For the period covering Feb 2010 through September 2019

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Curbside Recycling – Characterization Summary

- Recent Audit Period: May 6 – 10, 2019

Lbs. of recyclable material sorted: 55,420

	Monday	Tuesday	Wednesday	Thursday	Friday	TOTALS / LBS	TOTALS / %
Mixed Paper / News	2,712	3,848	7,327	4,668	2,849	21,404	38.7%
Cardboard	4,106	3,914	4,648	4,558	2,690	19,916	35.9%
Plastics 1&2	1,292	1,210	1,804	1,792	1,058	7,156	12.9%
Glass	632	445	693	562	273	2,605	4.7%
Other Metals	530	260	400	410	106	1,706	3.1%
Tin Cans	263	270	340	308	229	1,410	2.5%
Aluminum Cans	205	223	328	262	205	1,223	2.2%
TOTALS	**9,740**	**10,170**	**15,540**	**12,560**	**7,410**	**55,420**	**100.0%**
Percent by Collection Area:	17.6%	18.4%	28.0%	22.7%	13.4%		

Note: "Other metals" that are not tin cans, such as fans, chairs, toys, miscellaneous metals, etc.

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Curbside Recycling

- Glass drop-off sites

  Since removing glass from the curbside program, staff looked into setting up various drop boxes in the community for the collection of glass to make it more convenient for Longview residents to recycle glass instead of driving directly to Waste Control.

  However, history shows that some will use these sites to illegally dump garbage or other debris. Businesses will not want to see this on their property.

- A voluntary yard waste program

  In early 2019, staff looked into the feasibility of a voluntary yard waste program. In recent years, the markets for this material has become more restrictive. Due to the chemicals that many place on their lawns, any new yard waste program would exclude grass clippings.

  Until the markets change and grass clippings are an acceptable material, staff recommends we do not consider a yard waste program at this time.

- Raise the contamination penalty

  The current enforcement process involves a three-tier inspection process. For those that go through this process and the recycling cart is removed, a penalty of $10/month is imposed.

  Consider increasing the penalty to $20/month for new cases, effective 1/1/20.

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2020 Solid Waste & Recycling Rates

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2020 Utility Rate Information / Solid Waste-Recycling Utility

2020 Residential Solid Waste-Recycling Rate Plan

Year	Monthly Rate	$ Incr.	% Incr.	Previous Projection
2013	$16.39	$0.55	3.5%	
2014	$17.78	$1.39	8.5%	
2015	$18.41	$0.63	3.5%	
2016	$18.41	$0.00	0.0%	
2017	$18.41	$0.00	0.0%	
2018	$18.41	$0.00	0.0%	
2019	$18.41	$0.00	0.0%	
2020	**$18.78**	**$0.37**	**2.0%**	**1.5%**
2021	$19.16	$0.38	2.0%	1.5%
2022	$19.54	$0.38	2.0%	1.5%
2023	$19.93	$0.39	1.5%	
2024	$20.23	$0.30	1.5%	

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2020 Utility Rate Information / Solid Waste-Recycling Utility

Distribution of 2020 Solid Waste-Recycling Rate

Rate Component	Utility Cost	% of Total	Utility Activity
$5.78	$1,800,000	30.8%	SW Collection
$5.41	$1,685,930	28.8%	Operations
$5.15	$1,600,000	27.4%	Waste Disposal
$2.44	$760,000	13.0%	Recycling Collection
$18.78	$5,845,930	100%	

Both SW-Recycling Collection include a CPI increase of 2.5%. Waste Disposal includes a 1% increase to the annual tonnage and the 9.3% increase in the tipping fees.

Operations includes, but not limited to: City/State Taxes, Salaries/benefits, Administrative overhead, Operating Reserve Fund and Property Abatement costs.

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Comparison of 2019 Residential SW-Recycling Rates

Renton	$80.09	*Curbside*
Kent	$63.84	*Curbside*
Mercer Island	$63.26	*Curbside*
Vancouver	$62.63	*Curbside*
Aberdeen	$56.80	*Curbside*
Olympia	$56.23	*Curbside*
Mountlake Terrace	$53.22	*Curbside*
Bellingham	$52.67	*Curbside*
Port Angeles	$41.08	*Curbside*
Everett	$36.42	*Curbside*
Centralia	$35.71	*Curbside*
Auburn	$34.86	*Curbside*
Edmonds	$33.51	*Curbside*
Lynnwood	$33.51	*Curbside*
Chehalis	$30.21	*Curbside*
Castle Rock *(no mandatory collection)*	$25.28	*Drop sites*
Kalama	$25.28	*Drop sites*
Woodland	$25.28	*Curbside*
Longview (2020 Proposed)	**$18.78**	***Curbside***
Longview (2019 Current)	**$18.41**	***Curbside***
Kelso	$15.72	*Drop sites*
Comparison Average (2019)	**$42.20**	

Monthly rates are based on a 90 (or 95)-gallon container picked weekly

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Recommendations

Contract Amendment No. 6

- Change the CPI Designated Index to U.S. City Average
- Change the CPI Index adjustment for Waste Control to 80%
- Add contract language for a Shopping Cart Retrieval Partnership Program

Rate Resolution

- Approve the garbage-recycling rate increase of 2%
- Approve the deluxe rate for a commercial front load container

Questions?

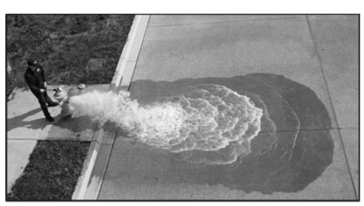
2020 Utility Rate Information

Water

2020 Utility Rate Information / Water Utility

2020 Water Capital Projects

Water Distribution Capital	**Amount**
Vehicle Depreciation Shortfall	$20,000
Annual Valve Replacement	$30,000
Annual Main Replacement	$1,100,000
Reservoir Security	$50,000
Large Meter Replacement	$120,000
Wonderware Software (SCADA) Upgrade and Redevelopment	$50,000
SCADA System – Restore Telemetry	$100,000
Water Master Plan/RRA/ERP (50% of cost)	$200,000
Relocation for Road Reconstruction (Resume 2021)	$0
LID Replacements (Resume 2022)	$0
TOTAL	**$1,670,000**



2020 Filter Plant Projects

Filter Plant Capital Projects	Amount
Miscellaneous Capital Repairs	$50,000
Variable Frequency Drives - 3 Well Motors	$327,000
Pressure Filters Hatches Replacement	$495,000
Wonderware Software (Control) Upgrade and Redevelopment	$115,000
TOTAL	**$987,000**

2020 Residential Water Rate Plan

(Based on a monthly consumption of 600 cf)

Year	Monthly Rate	$ Incr.	% Incr.	Previous Projection
2015	$25.91	$1.62	6.5%	
2016	$27.09	$1.18	4.5%	
2017	$28.59	$1.50	5.5%	
2018	$29.26	$1.37	4.7%	
2019	$31.33	$1.37	4.5%	
2020	**$33.24**	**$1.91**	**6.0%**	**4.5%**
2021	$35.26	$2.02	6.0%	4.5%
2022	$38.06	$2.80	8.0%	4.5%
2023	$41.08	$3.02	8.0%	2.0%
2024	$44.39	$3.31	8.0%	

2020 Utility Rate Information / Water Utility

Distribution of 2020 Residential Water Rate

Rate Component	Revenue Generated	% of Total	Use of Income
$24.83	$6,278,500	74.7 %	Operations
$ 6.81	$1,726,400	20.5 %	Debt Service
$ 1.60	$ 399,300	4.8 %	Rate Funded Capital
$ 0	$ 0	0 %	Depreciation
$33.24	$8,404,200	100%	

Comparison of 2019 Residential Water Rates

(Based on a monthly consumption of 600 cf)

Castle Rock	$65.24
Port Angeles	$50.83
Mountlake Terrace	$47.44
Bellingham	$42.45
Mercer Island	$41.98
Edmonds	$41.79
Centralia	$40.49
Woodland	$39.58
Kent	$39.40
Renton	$33.71
Auburn	$36.45
Kelso	$34.58
Chehalis	$33.88
Longview (2020 Proposed)	**$33.24**
Aberdeen	$31.58
Longview (2019 Current)	**$31.33**
Lynnwood	$27.99
Everett	$27.39
Kalama	$23.10
Vancouver	$22.99
Olympia	$18.62
Comparison Average (2019)	**$36.54**

2020 Utility Rate Information

Sewer

2020 Utility Rate Information / Sewer Utility

Proposed Depreciation Funding

	Percent	Amount
2019	0%	
2020	100%	$1,495,800
2021	100%	$1,590,100
2022	100%	$1,716,400
2023	100%	$1,828,900
2024	100%	$1,901,400

2020 Sewer Capital Projects

Capital Projects	Amount
Annual LID Projects	$300,000
Annual Main Replacements	$575,000
Annual In-Situ Liner Projects	$525,000
38th & Oak PS and 38th& Pennsylvania PS Rehab (50% of cost)	$1,047,000
Wonderware Software (SCADA) Upgrade & Redevelopment	$102,000
SCADA – Restore Telemetry	$406,000
Mint Farm PS Odor Control	$90,000
OB #4 Odor Control Tank/Filter Replacement	$35,000
Vehicle Depreciation Shortfall	$20,000
New Vacuum Truck – Medium Chassis (Smaller Size Unit)	$205,000
Road Reconstruction (Resume 2021)	$0
PS Rehab – Various Future Stations (Resume 2021)	$0
TOTAL	**$3,305,000**

2020 Residential Sewer Rate Plan

(Based on a monthly consumption of 600 cf)

Year	Monthly Rate	$ Incr.	% Incr.	Previous Projection
2015	$63.59	$3.02	5.0%	
2016	$64.21	$0.62	1.0%	
2017	$64.83	$0.62	1.0%	
2018	$66.14	$1.31	2.0%	
2019	$67.46	$1.32	2.0%	
2020	**$67.46**	**$ 0**	**0%**	**2.0%**
2021	$68.16	$0.70	1.0%	2.0%
2022	$69.50	$1.34	2.0%	3.5%
2023	$71.56	$2.06	3.0%	4.0%
2024	$73.72	$2.16	3.0%	

2020 Utility Rate Information / Sewer Utility

Distribution of 2020 Residential Sewer Rate

Rate Component	Revenue Generated	% of Total	Use of Income
$17.74	$3,372,100	26.3 %	TRWWA Operations
$ 5.94	$1,123,100	8.8 %	TRWWA Debt Service
$28.94	$5,500,600	42.9 %	Operations
$ 6.95	$1,315,200	10.3 %	Debt Service
$ 0.00	$ 0	0 %	Rate Funded Capital
$ 7.89	$1,495,800	11.7 %	Depreciation
$67.46	$12,806,800	100%	

Comparison of 2019 Residential Sewer Rates

(Based on a monthly consumption of 600 cf)

Kalama	$106.15
Chehalis	$92.07
Castle Rock	$85.08
Port Angeles	$83.27
Centralia	$82.13
Renton	$75.24
Auburn	$70.50
Kent	$70.34
Mercer Island	$67.83
Longview (2020 Proposed)	**$67.46**
Longview (2019 Current)	**$67.46**
Woodland	$63.49
Olympia	$61.28
Kelso	$60.74
Everett	$49.44
Lynnwood	$46.16
Bellingham	$44.52
Edmonds	$43.65
Aberdeen	$38.62
Mountlake Terrace	$36.80
Vancouver	$33.06
Comparison Average (2019)	**$63.89**

2020 Utility Rate Information

Stormwater

2020 Utility Rate Information / Stormwater Utility

2020 Stormwater Enhancements

Enhancement	
Additional Urban Forestry Crew	$436,700
Equipment for Additional Crew (New Debt Service 2020)	$45,800
Equipment Cost = $405,000	
Stormwater Utility Billing and Rate Review	$100,000
TOTAL	**$582,500**

2020 Utility Rate Information / Stormwater Utility

2020 Stormwater Capital Projects

Capital Projects	Amount
Beech Street Box Culvert Maintenance	$25,000
Stormwater Specialist Vehicle	$35,000
Vehicle Depreciation Shortfall	$47,000
Miscellaneous Stormwater Projects	$100,000
TOTAL	**$217,000**

2020 Utility Rate Information / Stormwater Utility

2020 Residential Stormwater Rate Plan

Year	Monthly Rate	$ Incr.	% Incr.	Previous Projection
2015	$9.09	$1.12	14.0%	
2016	$10.09	$0.49	11.0%	
2017	$11.10	$1.01	10.0%	
2018	$12.21	$1.11	10.0%	
2019	$13.68	$1.47	12.0%	
2020	**$14.50**	**$0.82**	**6.0%**	**8.0%**
2021	$15.30	$0.80	5.5%	3.0%
2022	$16.07	$0.77	5.0%	3.0%
2023	$16.55	$0.48	3.0%	3.0%
2024	$17.05	$0.50	3.0%	-- .

2020 Utility Rate Information / Stormwater Utility

Distribution of 2020 Residential Stormwater Rate

Rate Component	Revenue Generated	% of Total	Use of Income
$5.52	$2,037,800	38.0 %	Urban Forestry
$5.49	$2,029,500	37.9 %	Stormwater Operations
$2.14	$ 790,800	14.8 %	NPDES Permit & Development Review
$0.80	$ 294,400	5.5 %	Debt Service
$0.55	$ 203,800	3.8 %	Rate Funded Capital
$0.00	$ 0	0 %	Depreciation
$14.50	**$5,356,300**	**100%**	**TOTAL**

Comparison of 2019 Residential Stormwater Rates

Everett	$24.14
Auburn	$19.51
Mercer Island	$17.33
Edmonds	$17.18
Port Angeles	$16.87
Renton	$14.85
Longview (2020 Proposed)	**$14.50**
Olympia	$14.05
Longview (2019 Current)	**$13.68**
Lynnwood	$13.12
Kent	$12.81
Mountlake Terrace	$11.45
Bellingham	$11.30
Vancouver	$10.96
Centralia	$10.44
Kelso	$10.23
Chehalis (*not a stormwater permittee*)	$9.45
Castle Rock (*not a stormwater permittee*)	$7.42
Aberdeen	$6.69
Kalama (*not a stormwater permittee*)	$5.50
Woodland (*not a stormwater permittee*)	$0.00
Comparison Average (2019)	**$13.00**

DISCUSSION

City of Longview
Water Utility
Summary Nov. 13

Base Case - Revised

Capital Funding	2020	2021	2022	2023	2024
Total Capital Projects	**$ 2,788,902**	**$ 3,516,878**	**$ 3,119,422**	**$ 2,769,687**	**$ 2,786,621**
Other Outside Sources	30,000	-	-	-	-
Loan Proceeds	-	-	-	-	-
Other Debt Proceeds	-	-	-	-	-
Revenue Bond Proceeds	-	2,730,909	2,157,344	1,467,976	-
Use of Capital Fund Balance	2,758,902	785,969	962,078	1,301,711	2,786,621
Direct Rate Funding	-	-	-	-	-
Total Funding Sources	**$ 2,788,902**	**$ 3,516,878**	**$ 3,119,422**	**$ 2,769,687**	**$ 2,786,621**

Revenue Requirements	2020	2021	2022	2023	2024
Revenues					
Rate Revenues Under Existing Rates	$ 7,928,516	$ 7,932,481	$ 7,936,447	$ 7,940,415	$ 7,944,385
Non-Rate Revenues	216,908	216,836	221,283	225,122	229,209
Total Revenues	**$ 8,145,424**	**$ 8,149,316**	**$ 8,157,730**	**$ 8,165,537**	**$ 8,173,594**
Expenses					
Cash Operating Expenses - Distribution [a]	$ 5,311,936	$ 5,323,938	$ 5,503,796	$ 5,692,424	$ 5,886,256
Cash Operating Expenses - Filtration	966,592	991,190	1,016,366	1,042,135	1,068,467
Existing Debt Service	1,726,409	1,716,307	1,706,205	1,696,105	1,686,003
New Debt Service	-	221,699	396,833	604,569	604,569
Rate-Funded CIP	-	-	-	-	-
Rate-Funded System Reinvestment	-	-	1,100,000	1,600,000	2,150,000
Additions to Operating Reserve	-	-	-	-	-
Total Expenses	**$ 8,004,937**	**$ 8,253,133**	**$ 9,723,201**	**$ 10,635,233**	**$ 11,395,295**
Annual Surplus / (Deficiency)	**$ 140,487**	**$ (103,817)**	**$ (1,565,471)**	**$ (2,469,696)**	**$ (3,221,701)**
Annual Rate Adjustment	**6.00%**	**6.00%**	**8.00%**	**8.00%**	**8.00%**
Cumulative Rate Adjustment	**6.00%**	**12.36%**	**21.35%**	**31.06%**	**41.54%**
Retail Rate Revenues After Rate Increase	$ 8,404,227	$ 8,912,935	$ 9,630,783	$ 10,406,446	$ 11,244,581
Net Cash Flow After Rate Increase	616,198	876,638	128,865	(3,665)	78,495
Coverage After Rate Increases	n/a	12.77	8.44	6.49	7.57

[a] Includes impact of additional taxes due to rate increase.

Fund Balances	2020	2021	2022	2023	2024
Operating Fund	$ 766,084	$ 766,455	$ 782,906	$ 779,241	$ 814,395
Rate Stabilization Fund	-	-	-	-	-
Capital Fund	785,969	962,078	1,301,711	2,787,058	2,319,519
Debt Reserve Fund	338,770	560,469	735,603	943,339	943,339
Total	**$ 1,890,824**	**$ 2,289,001**	**$ 2,820,220**	**$ 4,509,638**	**$ 4,077,253**
Combined Minimum Target Balance	$ 866,084	$ 1,088,153	$ 1,279,739	$ 1,504,366	$ 1,518,964

City of Longview
Water Utility
Capital Improvement Program

Project Costs in Year:	2019

No	Description	Life in Years	% Growth	TOTAL COSTS	2020	2021	2022	2023	2024
				$ -	$ -	$ -	$ -	$ -	$ -
	Directional Boring Machine	15	0%	130,000	130,000	-	-	-	-
	Grinder Attachment for Excavator	15	0%	12,000	12,000	-	-	-	-
	Vehicle Depreciation Shortfall	15	0%	45,000	45,000		-	-	-
	Operations Center Upgrades (50%)	40	0%	900,000	-	450,000	450,000	-	-
	New 2.5 YD Dump Truck	15	0%	78,000	78,000	-	-	-	-
	New Pickup - Cross Connection/Pretreatment (50%)	15	0%	21,000	21,000	-	-	-	-
	Annual Valve Replacement	40	0%	180,000	30,000	30,000	30,000	30,000	30,000
	Annual Main Replacement	40	0%	5,500,000	1,100,000	-	1,100,000	1,100,000	1,100,000
				-	-	-	-	-	-
	Road Reconstruction	40	0%	600,000	-	200,000	-	200,000	-
				-	-	-	-	-	-
	Main Reservoir #5 Roof Replacement	40	0%	1,620,000	-	1,620,000	-	-	-
	Reservoir Security	40	0%	50,000	50,000	-	-	-	-
	LID Replacements	40	0%	400,000	-		200,000	-	200,000
				-	-	-	-	-	-
				-	-	-	-	-	-
	Large Meter Replacement	20	0%	600,000	120,000	120,000	120,000	120,000	120,000
				-	-	-	-	-	-
	Water Master Plan Update	10	0%	400,000	200,000	200,000	-	-	-
				-	-	-	-	-	-
	Niemi Booster PS Replacement	40	0%	880,000	-	340,000	540,000	-	-
				-	-	-	-	-	-
	Fishers Lane Plant Demoition		0%	1,600,000	-	-	-	800,000	800,000
	Wonderware Upgrade to 2017 and Re-Development	15	0%	50,000	50,000	-	-	-	-
	SCADA System - Phase 2 - Restore Telemetry	20	0%	200,000	100,000	100,000	-	-	-
	SCADA Improvements - Additional Sites	20	0%	200,000	-		100,000	100,000	-
				-	-	-	-	-	-
				-	-	-	-	-	-
	Total Capital Projects in Current Dollars			**$ 13,466,000**	**$ 1,936,000**	**$ 3,060,000**	**$ 2,540,000**	**$ 2,350,000**	**$ 2,250,000**
	Total Growth Related Project Costs			-	-	-	-	-	-
	Total Repair & Replacement Project Costs			13,466,000	1,936,000	3,060,000	2,540,000	2,350,000	2,250,000
	Total Capital Projects in Escalated Dollars			**$ 39,311,000**	**$ 1,936,000**	**$ 3,213,000**	**$ 2,800,350**	**$ 2,720,419**	**$ 2,734,889**
	Total Growth Related Project Costs			-	-	-	-	-	-
	Total Repair & Replacement Project Costs			15,102,112	1,936,000	3,213,000	2,800,350	2,720,419	2,734,889
				Cumulative Construction Cost Inflation ==>	0.00%	5.00%	10.25%	15.76%	21.55%

City of Longview
Water Utility
Capital Improvement Program - Filtration

Project Costs in Year:	2020

No	Description	Life in Years	% Growth	TOTAL COSTS	2020	2021	2022	2023	2024
				$ -	$ -	$ -	$ -	$ -	
	Miscellaneous Capital Repairs	20	0%	250,000	50,000	50,000	50,000	50,000	50,000
	Equipment Storage Building	40	0%	140,000	-	140,000	-	-	
	Additional Hypochlorite Tank	20	0%	140,000	-	-	140,000	-	
	Variable Frequency Drive Well Motors	20	0%	327,000	327,000	-	-	-	
	Portable Safety Platform	15	0%	15,000	15,000	-	-	-	
	Filter Hatches Replacement	15	0%	495,000	495,000	-	-	-	
	Wonderware Upgrade to 2017 and Re-Development	15	0%	115,000	115,000	-	-	-	
	Liquid Oxygen Injection	15	0%	300,000	-	150,000	150,000	-	
				-	-	-	-	-	
				-	-	-	-	-	
				-	-	-	-	-	
				-	-	-	-	-	
				-	-	-	-		
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				-	-	-	-	-	-
	Total Capital Projects in Current Dollars			**$ 1,782,000**	**$ 1,002,000**	**$ 340,000**	**$ 340,000**	**$ 50,000**	**$ 50,000**
	Total Growth Related Project Costs			-	-	-	-	-	-
	Total Repair & Replacement Project Costs			1,782,000	1,002,000	340,000	340,000	50,000	50,000
	Total Capital Projects in Escalated Dollars			**$ 4,489,000**	**$ 1,002,000**	**$ 357,000**	**$ 374,850**	**$ 57,881**	**$ 60,775**
	Total Growth Related Project Costs			-	-	-	-	-	-
	Total Repair & Replacement Project Costs			1,852,507	1,002,000	357,000	374,850	57,881	60,775
				Cumulative Construction Cost Inflation ==>	0.00%	5.00%	10.25%	15.76%	21.55%

City of Longview's Share	85.120%	2020	2021	2022	2023	2024
Total Capital Projects in Current Dollars		**$ 852,902**	**$ 289,408**	**$ 289,408**	**$ 42,560**	**$ 42,560**
Total Growth Related Project Costs		-	-	-	-	-
Total Repair & Replacement Project Costs		852,902	289,408	289,408	42,560	42,560
Total Capital Projects in Escalated Dollars		**$ 852,902**	**$ 303,878**	**$ 319,072**	**$ 49,269**	**$ 51,732**
Total Growth Related Project Costs		-	-	-	-	-
Total Repair & Replacement Project Costs		852,902	303,878	319,072	49,269	51,732

City of Longview
Water Utility
Capital Funding Analysis

Summary of Expenditures	2020	2021	2022	2023	2024
DISTRIBUTION CAPITAL PROJECTS					
Growth Related Project Costs	$ -	$ -	$ -	$ -	$ -
Repair and Replacement Project Costs	1,936,000	3,213,000	2,800,350	2,720,419	2,734,889
Total	**$ 1,936,000**	**$ 3,213,000**	**$ 2,800,350**	**$ 2,720,419**	**$ 2,734,889**
FILTRATION CAPITAL PROJECTS					
Growth Related Project Costs	$ -	$ -	$ -	$ -	$ -
Repair and Replacement Project Costs	852,902	303,878	319,072	49,269	51,732
Total	**$ 852,902**	**$ 303,878**	**$ 319,072**	**$ 49,269**	**$ 51,732**
TOTAL CAPITAL SPENDING	**$ 2,788,902**	**$ 3,516,878**	**$ 3,119,422**	**$ 2,769,687**	**$ 2,786,621**

Capital Financing Plan	2020	2021	2022	2023	2024
Other Outside Sources	$ 30,000				
Other Loan Proceeds - 1 LOCAL Program					
Other Loan Proceeds - 2					
Other Loan Proceeds - 3					
Other Loan Proceeds - 4					
Capital Fund Balance	2,758,902	785,969	962,078	1,301,711	2,786,621
Revenue Bond Proceeds	-	2,730,909	2,157,344	1,467,976	-
Rates	-	-	-	-	-
TOTAL CAPITAL RESOURCES	**$ 2,788,902**	**$ 3,516,878**	**$ 3,119,422**	**$ 2,769,687**	**$ 2,786,621**
Info: Capital Contingency Deficit	-	-	-	-	-
INPUT REVENUE BOND PROCEEDS ====>		$ 2,731,000	$ 2,157,400	$ 2,559,000	$ -

WATER LINE REPLACEMENT PRIORITY **Nov. 4, 2019**

PRIORITY	TYPE	CUURENT SIZE	NEW SIZE	PROJECT	REASON	FOOTAGE	cost per foot	COST ESTIMATE
1	CI	6	8	BEECH TO BALTIMORE 15TH & 16TH	WATER QUALITY	800	$400.00	$300,000.00
2	AC	4	8	MADRONA CASCADE WAY TO LAUREL RD	LEAKS	2200	$400.00	$800,000.00
3	CI	6	12	BEECH 20TH TO 30TH	WATER QUALITY	4600	$450.00	$2,070,000.00
4	CI	6	8	BEECH TO BALTIMORE 20TH & 21ST	WATER QUALITY	800	$400.00	$320,000.00
5	GALV	6	8	BALTIMORE TO CYPRESS 20TH & 21ST	WATER QUALITY	800	$400.00	$320,000.00
6	GALV	6	8	CYPRESS TO ALLEY BETWEEN 21ST & 22ND	WATER QUALITY	850	$400.00	$340,000.00
7	CI	6	8	BEECH TO BALTIMORE 21ST & 22ND	WATER QUALITY	800	$400.00	$320,000.00
8	GALV	6	8	BALTIMORE TO CYPRESS 21ST & 22ND	WATER QUALITY	800	$400.00	$320,000.00
9	GALV	6	8	CYPRESS TO NICHOLS 21ST & 22ND	WATER QUALITY	800	$400.00	$320,000.00
						12450		$5,110,000.00

MAIN RESERVOIR NO. 5 ROOF REPLACEMENT

- Main Reservoir No. 5 roof was inspected during the Hillcrest Reservoir Pump Station Replacement project.
- Structural inspection found numerous failures in the supporting structure.
- EPA and DOH require that reservoirs are required to be covered.
- Failure of the roof would require the reservoir to be isolated and removed from service until the roof is replaced.
- Replacing the roof is urgent, but not critical.

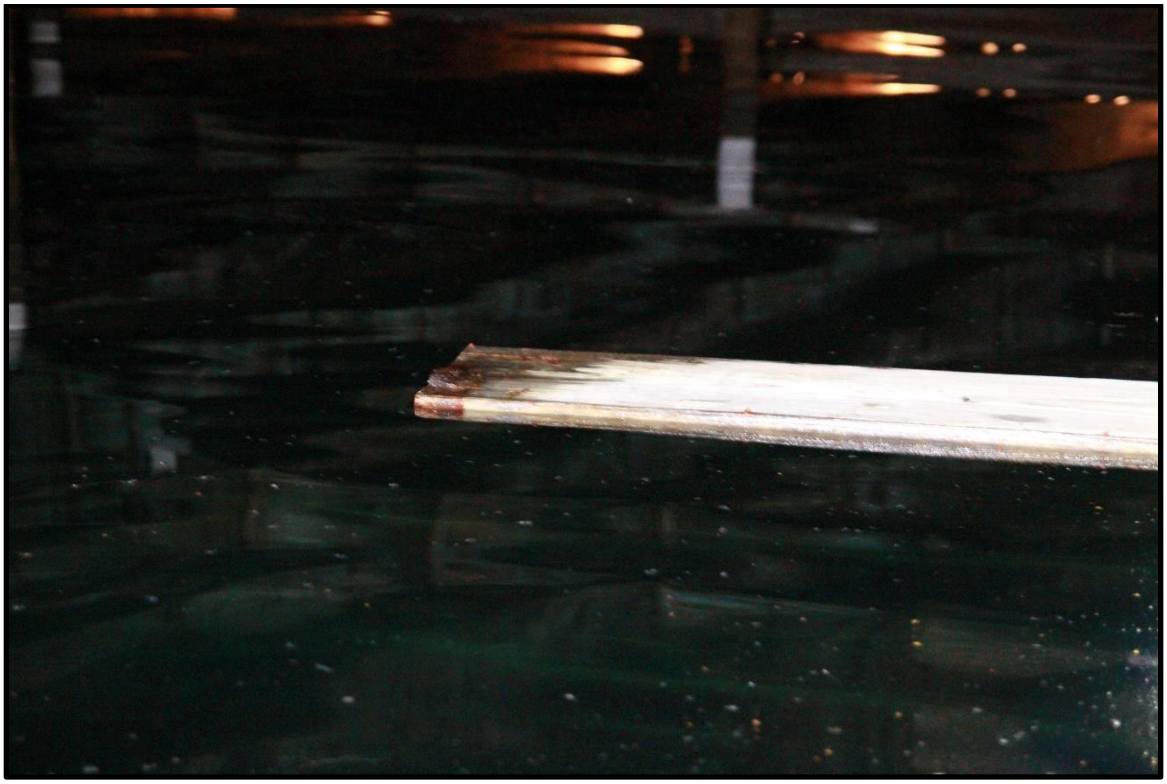
Reservoir Roof Structure

Roof Joist Missing Due To Failed Hangers

Failing Joist And Hanger


Unsupported Sheathing Due to Joist Deflection


Failing Splices and Joist



Failed Joist Floating in Reservoir

City of Longview

Base Case

Sewer Utility

Summary

Nov. 6, 2019

Capital Funding	2020	2021	2022	2023	2024
Total Capital Projects	**$ 3,335,000**	**$ 3,979,460**	**$ 5,620,776**	**$ 5,284,086**	**$ 3,592,591**
Other Outside Sources	-	-	-	-	-
PWTF Loan Proceeds	-	-	-	-	-
SRF/Other Debt Proceeds	-	-	-	-	-
Revenue Bond Proceeds	-	-	1,236,292	-	1,261,846
Use of Capital Fund Balance	3,335,000	3,979,460	4,384,484	5,284,086	2,330,745
Direct Rate Funding	-	-	-	-	-
Total Funding Sources	**$ 3,335,000**	**$ 3,979,460**	**$ 5,620,776**	**$ 5,284,086**	**$ 3,592,591**

Revenue Requirements	2020	2021	2022	2023	2024
Revenues					
Rate Revenues Under Existing Rates	$ 12,806,752	$ 12,832,365	$ 12,858,030	$ 12,883,746	$ 12,909,514
Non-Rate Revenues	250,839	247,531	248,159	256,305	256,732
Total Revenues	**$ 13,057,591**	**$ 13,079,896**	**$ 13,106,189**	**$ 13,140,051**	**$ 13,166,246**
Expenses					
Cash Operating Expenses [a]	$ 9,589,776	$ 9,825,344	$ 10,013,528	$ 10,217,781	$ 10,515,666
Existing Debt Service	1,315,189	1,317,226	1,315,435	1,316,548	1,313,833
New Debt Service	-	-	386,410	386,410	611,275
Rate-Funded CIP	-	-	-	-	-
Rate-Funded System Reinvestment	1,495,818	1,590,118	1,716,368	1,828,868	1,901,368
Additions to Operating Reserve	-	-	-	-	-
Total Expenses	**$ 12,400,783**	**$ 12,732,688**	**$ 13,431,741**	**$ 13,749,606**	**$ 14,342,142**
Annual Surplus / (Deficiency)	**$ 656,808**	**$ 347,208**	**$ (325,552)**	**$ (609,555)**	**$ (1,175,896)**
Annual Rate Adjustment	**0.00%**	**1.00%**	**2.00%**	**3.00%**	**3.00%**
Cumulative Rate Adjustment	**0.00%**	**1.00%**	**3.02%**	**6.11%**	**9.29%**
Retail Rate Revenues After Rate Increase	$ 12,806,752	$ 12,960,689	$ 13,246,342	$ 13,671,020	$ 14,109,313
Net Cash Flow After Rate Increase	656,808	475,532	62,761	177,719	23,904
Coverage After Rate Increases	7.47	7.23	4.10	4.38	3.56

[a] Includes impact of additional taxes due to rate increase.

Fund Balances	2020	2021	2022	2023	2024
Operating Fund	$ 1,179,071	$ 1,209,942	$ 1,230,303	$ 1,251,127	$ 1,275,031
Rate Stabilization Fund	-	-	-	-	-
Capital Fund	6,131,535	4,384,484	5,445,165	2,330,745	3,531,136
Debt Reserve Fund	485,892	485,892	872,302	872,302	1,097,167
Total	**$ 7,796,497**	**$ 6,080,318**	**$ 7,547,770**	**$ 4,454,174**	**$ 5,903,333**
Combined Minimum Target Balance	$ 1,764,963	$ 1,795,834	$ 2,202,605	$ 2,223,429	$ 2,477,007

City of Longview
Sewer Utility
Capital Improvement Program

Project Costs in Year:	2019

No	Description	Life in Years	% Growth	TOTAL COSTS	2020	2021	2022	2023	2024
				$ -					$ -
	Annual LID Projects	40	0%	1,200,000	300,000	-	300,000	-	300,000
	Annual Main Replacements	40	0%	4,075,000	575,000	500,000	500,000	500,000	500,000
	Annual In-Situ Liner Projects	40	0%	3,400,000	525,000	475,000	400,000	400,000	400,000
	Road Reconstruction	40	0%	1,800,000	-	400,000	200,000	400,000	-
	Emergency Power	40	0%	-	-	-	-	-	-
	PS Rehab: Various Future Stations	40	0%	8,000,000		500,000	1,500,000	1,500,000	1,500,000
	38th Ave PS Rehab (at Oak & at Penn)	40	0%	2,094,000	1,047,000	1,047,000	-	-	-
	Wonderware Upgrade to 2017 Version	10	0%	102,500	102,500	-	-	-	-
	SCADA Phase 2 - Resolve Telemetry	20	0%	406,000	406,000			-	-
	SCADA Implementation - Additional Sites	40	0%	800,000		200,000	200,000	200,000	200,000
	Lagoons - Fill per DOE; 1-foot minimum; One-Half of Area	40	0%	3,200,000	-	200,000	1,500,000	1,500,000	-
	Mint Farm PS Odor Control	20	0%	90,000	90,000	-	-	-	-
	OB #4 Odor Control Tank/Filter Replacement	20	0%	35,000	35,000	-	-	-	-
				-	-	-	-	-	-
				-	-	-	-	-	-
				-	-				-
				-	-	-	-	-	-
	Operations Center Upgrades (Sewer 50%)	40	0%	900,000	-	450,000	450,000	-	-
	Vehicle Depreciation Shortfall	15	0%	20,000	20,000	-	-	-	-
	New Pickup - Cross Connection/Pretreatment (50%)	15	0%	21,000	21,000	-	-	-	-
	New Vacuum Truck - Medium Chassis	15	0%	205,000	205,000	-	-	-	-
	Walk Behind Concrete Saw Replacement	15	0%	8,500	8,500	-	-	-	-
				-	-	-	-	-	-
				-	-	-	-	-	-
				-	-	-	-	-	-
				-	-	-	-	-	-
				-	-	-	-	-	-
				-	-	-	-	-	-
				-	-	-	-	-	-
	Total Capital Projects in Current Dollars			**$ 26,357,000**	**$ 3,335,000**	**$ 3,772,000**	**$ 5,050,000**	**$ 4,500,000**	**$ 2,900,000**
	Total Growth Related Project Costs			-	-	-	-	-	-
	Total Repair & Replacement Project Costs			26,357,000	3,335,000	3,772,000	5,050,000	4,500,000	2,900,000
	Total Capital Projects in Escalated Dollars			**$ 68,596,000**	**$ 3,335,000**	**$ 3,979,460**	**$ 5,620,776**	**$ 5,284,086**	**$ 3,592,591**
	Total Growth Related Project Costs			-	-	-	-	-	-
	Total Repair & Replacement Project Costs			31,085,360	3,335,000	3,979,460	5,620,776	5,284,086	3,592,591
				Cumulative Construction Cost Inflation ==>	0.00%	5.50%	11.30%	17.42%	23.88%

City of Longview
Sewer Utility
Capital Funding Analysis

Summary of Expenditures	2020	2021	2022	2023	2024
CAPITAL PROJECTS					
Growth Related Project Costs	$ -	$ -	$ -	$ -	$ -
Repair and Replacement Project Costs	3,335,000	3,979,460	5,620,776	5,284,086	3,592,591
TOTAL CAPITAL SPENDING	**$ 3,335,000**	**$ 3,979,460**	**$ 5,620,776**	**$ 5,284,086**	**$ 3,592,591**

Capital Financing Plan	2020	2021	2022	2023	2024
Other Outside Sources					
PWTF Loan Proceeds - 1					
PWTF Loan Proceeds - 2					
Other Loan Proceeds - 1					
Other Loan Proceeds - 2					
Capital Fund Balance	3,335,000	3,979,460	4,384,484	5,284,086	2,330,745
Revenue Bond Proceeds	-	-	1,236,292	-	1,261,846
Rates	-	-	-	-	-
TOTAL CAPITAL RESOURCES	**$ 3,335,000**	**$ 3,979,460**	**$ 5,620,776**	**$ 5,284,086**	**$ 3,592,591**
Info: Capital Contingency Deficit	-	-	-	-	-
INPUT REVENUE BOND PROCEEDS ====>	$ -	$ -	$ 4,760,000	$ -	$ 2,770,000

STORMWATER UTILITY RATE MODEL 2019-24 -- NEW UF CREW AND PROGRAM ENHANCEMENTS

Program Enhancements

	2020	2021	2022	2023	2024
Additional Stormwater (Sidewalk) Maintenance Crew	346,294	356,683	367,383	378,405	389,757
Merit Step for Mike Ward	3,300	3,300	3,300	3,300	3,300
New Urban Forestry Crew (Labor)	**261,611**	**269,459**	**277,543**	**285,869**	**294,445**
New Urban Forestry Crew (Supplies)	**52,000**	**53,560**	**55,167**	**56,822**	**58,526**
New Urban Forestry Crew (Services)	**123,090**	**126,783**	**130,586**	**134,504**	**138,539**
Stormwater Utility Review Contract	**100,000**				
Watershed Planning Permit Requirement		**100,000**	**100,000**		
Stormwater Infrastructure Master Plan			**200,000**		
TOTAL PROGRAM ENHANCEMENTS	886,295	909,785	1,133,979	858,900	884,568

CIP List

	2020	2021	2022	2023	2024
~~CIP 1978 Beech Street Culvert Replacement (CIP 1978)~~	~~249,463~~	~~249,463~~	~~249,463~~	~~249,463~~	~~249,463~~
Misc Stormwater Capital	100,000	103,000	106,090	109,273	112,551
Mint Valley PS Open Channel		140,000			
SCADA System Phase 2					
SCADA for Pump Stations		50,000	50,000	50,000	
Vehicle Replacement Supplemental Funding	47,000				
Street Sweeper Replacement					
Add'l Crew Equipment					
New Urban Forestry Crew (Equipment)	**45,815**	**45,815**	**45,815**	**45,815**	**45,815**
Stormwater Specialist Vehicle	**35,000**				
Beech Street Box Culvert Maintenance	**25,000**	**25,750**	**26,523**	**27,318**	**28,138**
TOTAL CIP PROJECTS	252,815	364,565	228,428	232,406	186,504