



City of Longview

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

Agenda

Public Works SubCommittee

Monday, June 5, 2023

5:00 PM

Public Works Conference Room
1st Floor, City Hall

1. CALL TO ORDER

2. ROLL CALL

3. APPROVAL OF MEETING NOTES

23-001216 Notes from May 1, 2023

4. OLD BUSINESS

5. NEW BUSINESS

23-001211 Stormwater – Steve Haubner & Chris Collins

- Background and history of the stormwater utility.
- What activities do the rates pay for?
- History of stormwater rates.
- 2020 Stormwater Utility Rate Study
- What is happening with last summer's rate restructure?
- What projects were planned for the 2023-2024 budget?
- What could next year's rate increase look like?

23-001212 Concave mirrors – Chris Collins

- concave mirror policy development discussion

23-001213 Speed humps – Ken Hash

- Review of Resolution No. 1825
- How does it really work?
- What about Alabama St?

23-001214 Speed changes on Pacific Way - Ken Hash & Chris Collins

23-001215 Rails to Trails Update – Ken Hash

6. PUBLIC COMMENT

7. ADJOURNMENT & NEXT MEETING June 29th (moved from July 3rd)



Minutes

Public Works SubCommittee

Monday, May 1, 2023

5:00 PM

Public Works Conference Room,
1st Floor, City Hall

1. **CALL TO ORDER**

The meeting was called to order at 5:02.

2. **ROLL CALL**

Present: Councilmember Ruth Kendall; Councilmember Christopher Ortiz; Councilmember Hillary Strobel; Public Works Director Ken Hash

Staff: Karl Enyeart, City Engineer; Chris Collins, Assistant Public Works Director; Nancy Vandehey, Admin

Guest: Kylie Vandehey, Intern

3. **APPROVAL OF MEETING NOTES**

23-001109 Notes from April 3, 2023

4. **OLD BUSINESS**

23-001113 Water System Continued

Karl Enyeart reviewed the WACs explaining the staff responsibilities for the Manager of our water system.

A video explaining water hammer was shown. Two videos on watermain breaks were shared.

Christopher asked for an annual report that would show the breaks, indicating which areas of the City that are being impacted.

A state of the sewer/water, etc - 15 min presentation to Council, so the public sees and Council can see the challenges we are facing.

2002 EPA report - Deteriorating buried infrastructure management challenges and strategies. - use to manage great infrastructure.

A COL map was shown detailing the types of pipe that we hope to replace. The chart of the pipe types we currently have was reviewed.

Ken Hash gave a brief update on the infill line and railway corridor ownership partnership.

Ken handed out the speed hump resolution.

Karl reviewed the GASB minimum guidelines.

Goal of replacement cycle - from staff to Council with a plan of how do we get there?

5. **NEW BUSINESS**

6. **PUBLIC COMMENT**

7. **ADJOURNMENT - Next meeting June 5th**

Next month - speed limit changes on Pacific Way; rails to trails; concave mirror costs; speed humps - Mike Peterson on Alabama

The meeting was adjourned at 6:33 pm.



City of Longview

Agenda Summary

Stormwater – Steve Haubner & Chris Collins

- **Background and history of the stormwater utility.**
- **What activities do the rates pay for?**
- **History of stormwater rates.**
- **2020 Stormwater Utility Rate Study**
- **What is happening with last summer's rate restructure?**
- **What projects were planned for the 2023-2024 budget?**
- **What could next year's rate increase look like?**

Attachments:

1. Stormwater Utility PW Subcmte 6-5-23
2. LMC 15.80 Stormwater Utility
3. Stormwater Utility 2023-24 Budget



STORMWATER UTILITY OVERVIEW

June 5, 2023

Overview

- What is a stormwater utility?
- Longview's stormwater utility & programs
- How are stormwater fees determined?
- Stormwater fee history
- 2020 Rate Study and recommendations
- 2023-24 Budget
- 2024 rate development

What is a stormwater utility?

A stormwater utility is a stand-alone entity, usually set up as an enterprise fund, designed to furnish a limited or comprehensive set of services related to stormwater quantity and quality management.



Washington State Legislation for Stormwater Utilities

RCW 35.67.020 authorizes cities to “to fix, alter, regulate, and control the rates and charges for their” systems of sewerage, defined in RCW 35.67.010 to include stormwater management.

- Utility has authority and responsibility for all City stormwater conveyances and facilities
- All real property in the City charged a stormwater utility fee (*with the exception of undeveloped parcels*)
- Stormwater fee billed at the same time as water, sanitary sewer & garbage fees
- Stormwater fees billed to owner for any improved parcel that does not receive water or sanitary sewer services.

Longview's Stormwater Utility

💧 Created by Ordinance 2757 in 1999

💧 Codified in LMC 15.80

Utility Programs

- Operations and maintenance of City stormwater infrastructure and facilities
- Regulatory compliance with NPDES municipal stormwater permit
- Development review and inspection
- City-wide street sweeping program
- Leaf pickup (fall months)
- Urban forestry program
- Sidewalk repair & replacement program
- Stormwater capital improvements



NPDES Municipal Stormwater Permit Program Components

- Stormwater Planning
- Public Education and Outreach
- Public Involvement and Participation
- MS4 Mapping and Documentation
- Illicit Discharge Detection and Elimination
- Controlling Runoff From New Development, Redevelopment & Construction Sites
- Operations & Maintenance
- Source Control Program for Existing Development
- Compliance with Total Maximum Daily Load Requirements
- Monitoring & Assessment



How are stormwater fees determined?

- Basis of stormwater fee is impervious cover
- Impervious surface area widely accepted as an approximate measure of a property's contribution of runoff
- Most stormwater utilities typically develop a uniform rate for single family residential customers
- The average residential impervious cover measurement is used to develop the base unit charge or equivalent residential unit (ERU)
- Charge basis for other customers is the actual measured impervious surface



STORMWATER FEE CALCUATION

**The Equivalent Residential Unit (ERU)
is the impervious cover for an average
single family residential parcel**



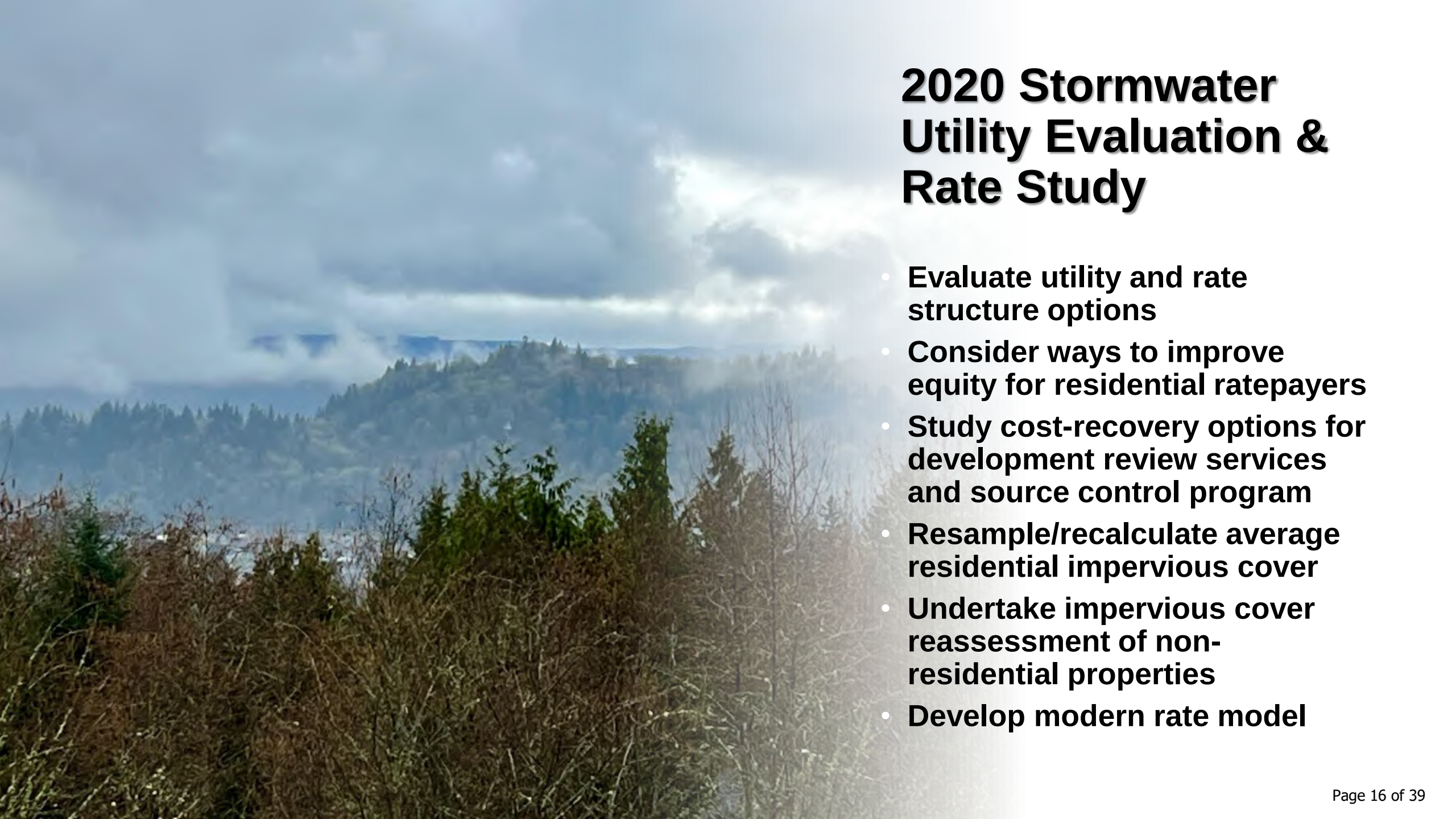
**Single-family residence =
1 ERU = base rate (\$X.XX)**

**Commercial property =
total impervious area / ERU
multiplied by base rate**



Stormwater Rate History

Year	Monthly Rate per ERU	Fee Increase	Percent Increase	Additional Programs/Activities
2006	\$3.22	\$0.56	21%	Street sweeping transferred to Stormwater
2007	\$3.54	\$0.32	10%	NPDES Permit prep
2008	\$3.79	\$0.25	7%	Stormwater inspector hired
2009	\$4.06	\$0.27	7%	NPDES Permit coverage starts
2010	\$4.34	\$0.28	7%	
2011	\$5.07	\$0.73	17%	Added stormwater maintenance crew
2012	\$5.63	\$0.56	11%	Mint Farm wetlands
2013	\$6.70	\$1.07	19%	Urban Forestry transferred
2014	\$7.97	\$1.27	19%	
2015	\$9.09	\$1.12	14%	Sidewalk program transferred
2016	\$10.09	\$0.49	11%	
2017	\$11.10	\$1.01	10%	Added stormwater maintenance crew
2018	\$12.21	\$1.11	10%	
2019	\$13.68	\$1.47	12%	Added (2) sidewalk crews
2020	\$14.50	\$0.82	6%	
2021	\$14.50	\$0	0%	Added new UF crew & staff
2022	\$14.50	\$0	0%	
2023	\$14.50	\$0	0%	no adopted enhancements or CIP



2020 Stormwater Utility Evaluation & Rate Study

- Evaluate utility and rate structure options
- Consider ways to improve equity for residential ratepayers
- Study cost-recovery options for development review services and source control program
- Resample/recalculate average residential impervious cover
- Undertake impervious cover reassessment of non-residential properties
- Develop modern rate model

Key Study Recommendations

- 💧 Update equivalent residential unit (ERU) to 3,000 square feet (from 2,500 sq ft)
- 💧 Use impervious cover as basis of stormwater rates for multi-family parcels with 4 or more units
- 💧 Move towards cost-recovery fees for development programs
- 💧 Utilize new rate model for developing future stormwater utility rates
- 💧 Consider additional changes in the future such as multiple tiers for single-family residential parcels

Implementation of Recommendations to Date

- **January 2021** – Study recommendations presented to Council for 2021 Rate consideration
- **April 2022** -- Council workshop on stormwater utility and need to implement new impervious assessments and rate structure changes
- **August 2022** – Council adopts Resolution 2409 which includes the following rate structure changes:
 - Increases the ERU from **2,500** to **3,000** square feet
 - Multi-family properties of **4 or more units** billed as commercial (based on impervious surface)
- **Fall 2022** – Staff aggregates parcel data to account level and validates impervious cover measurements
- **Early 2023** – Data entered into the utility billing system



2023-24 Stormwater Utility Budget (Proposed)

Program Enhancements

- Stormwater Master Plan
- New Stormwater Maintenance Tech

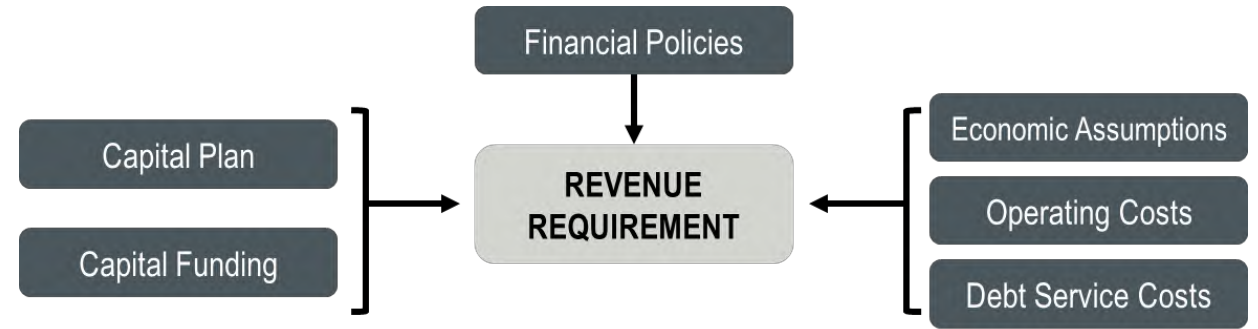
Capital Projects

- Delaware Street Drainage Improvements
- Pacific Way Drainage Improvements
- Vehicle for Stormwater Maintenance Tech
- Fleet Replacement Additional Funding
- Miscellaneous Stormwater Projects



Rate Development for 2024

Model determines the level of annual revenue necessary to meet all utility financial obligations of the enterprise fund



- Calculated 2023 Proposed Rate: **\$16.24**
(\$1.74 increase)
- Projected 2024 Rate Range: **\$16.68 to \$17.11**
(\$2.18 to \$2.61 increase)

Anticipated 2024 Rate



Questions and Discussion

Chapter 15.80 STORM WATER UTILITY

Sections:

[15.80.010 Storm water utility created – Responsibilities.](#)

[15.80.020 Property transferred to storm water utility.](#)

[15.80.030 Administration by director of public works.](#)

[15.80.040 Definitions.](#)

[15.80.050 Liability for payment of storm water utility charges – Unoccupied premises.](#)

[15.80.060 Rates and charges.](#)

[15.80.070 Billing and collection.](#)

[15.80.080 Date payment of bills due – Delinquency – Penalties – Lien.](#)

[15.80.090 Storm water utility fund.](#)

15.80.010 Storm water utility created – Responsibilities.

There is created and established pursuant to RCW 35A.80.010 and Chapter 35.67 RCW, and Article 11, Section 11, of the Washington State Constitution, a storm water utility. The storm water utility shall have authority and responsibility for implementation of Chapter 16.80 LMC, and for planning, design, construction, maintenance, administration, and operation of all city storm water conveyances and facilities. (Ord. 2757 § 1, 1999).

15.80.020 Property transferred to storm water utility.

Title to and all other incidents of ownership of the following assets are hereby transferred to and vested in the storm water utility: all properties, interests and physical and intangible rights of every nature owned or held by the city, however acquired, insofar as they relate to or concern storm water; further including, without limitation, all properties, interests, and rights acquired by adverse possession or by prescription, directly or through another, in addition to the drainage or storage, or both, of storm water through, under or over lands, watercourses, sloughs, streams, ponds, lakes, and marshes, all beginning in each instance at a point where storm water first enters the system of the city and ending in each instance at a point where the storm water exits from the system of the city, and in width to the full extent of inundation caused by storm or flood conditions. (Ord. 2757 § 1, 1999).

15.80.030 Administration by director of public works.

The storm water utility shall be administered by the director of public works or other official designated by the

city manager. (Ord. 2757 § 1, 1999).

15.80.040 Definitions.

As used in this article, the following terms have the meanings set forth below:

- (1) "Residential" means a single-family residential dwelling, or single-family residential dwelling unit within a duplex, triplex, or condominium building.
- (2) "Multiple occupancy residential" means a multiple-family dwelling which is a four-plex or larger, an apartment building, a mobile home park, or a trailer park.
- (3) "Sole occupancy nonresidential" means a developed parcel that is not used for residential purposes, and is occupied by only one person, firm or corporation.
- (4) "Multiple occupancy nonresidential" means a developed parcel that is not used for residential purposes, and is occupied by more than one person, firm or corporation.
- (5) "Mixed use occupancy" means a developed parcel that is used for residential purposes and nonresidential purposes, and is occupied by more than one person, firm or corporation.
- (6) "Impervious surface" means a hard-surfaced area which either prevents or retards the entry of water into the soil mantle as under natural conditions prior to the development, and/or a hard-surfaced area which causes water to run off the surface in greater quantities or at an increased rate of flow from the flow present under natural conditions prior to development. Common impervious surfaces include, but are not limited to, roof tops, walkways, patios, driveways, parking lots or storage areas, concrete or asphalt paving, gravel roads, gravel parking lots, packed earthen materials, and oiled, macadam or other surfaces which similarly impede the natural infiltration of storm water. Open, uncovered retention/detention facilities shall not be considered as impervious surfaces.
- (7) "Parcel" means the smallest separately segregated unit or plot of land having an identified owner, boundaries, and surface area which is documented for tax purposes and given a tax account (lot) number by the Cowlitz County assessor.
- (8) "Developed parcel" means a parcel of real property which has been altered by grading or filling of the ground surface, or by construction of any improvement or other impervious surface area which affects the hydraulic properties of the parcel.
- (9) "Undeveloped parcel" means a parcel of real property which has not been altered by grading or filling of the ground surface, or by construction of any improvement or other placement of any impervious surface area thereon which affects the hydraulic properties of the parcel.

(10) "Nonresidential" means any developed parcel of real property in the city other than single-family parcels and multiple-family parcels. (Ord. 2757 § 1, 1999).

15.80.050 Liability for payment of storm water utility charges – Unoccupied premises.

All accounts for storm water utility services shall be charged against the parcel to which such storm water services are applicable, and such accounts shall be kept in the name of and billed as follows:

- (1) "Residential" accounts shall be kept in the name of and billed to the person, firm or corporation shown as the recipient of water and/or sanitary sewer service for the single-family dwelling unit;
- (2) "Multiple occupancy residential" accounts shall be kept in the name of and billed to the person, firm or corporation shown as the recipient of water and/or sanitary sewer service to the multiple-family parcel or multiple-family dwelling or to the record owner or owner's agent of the parcel to which such storm water services are rendered;
- (3) "Sole occupancy nonresidential" accounts shall be kept in the name of and billed to the person, firm or corporation shown as the recipient of water and/or sanitary sewer service for the parcel to which such storm water services are rendered;
- (4) "Multiple occupancy nonresidential" accounts shall be kept in the name of and billed to the person, firm or corporation shown as the recipient of water and/or sanitary sewer service to the premises or to the record owner or owner's agent of the parcel to which such storm water services are rendered;
- (5) "Mixed use occupancy" accounts shall be kept in the name of and billed to the person, firm or corporation shown as the recipient of water and/or sanitary sewer service or the record owner or owner's agent of the parcel to which such storm water services are rendered;
- (6) Accounts that cease to be recipients of water and/or sanitary sewer service by reason of disconnection or termination of service shall be kept in the name of and billed to the person, firm or corporation shown as the record owner of the parcel to which such storm water services are rendered, until such time as water and/or sanitary sewer service is restored.

In the event of delinquencies and the imposition of liens, the record owner of the parcel to which such storm water utility services were provided shall bear ultimate responsibility for the payment of all charges for storm water utility services to such parcel. (Ord. 2757 § 1, 1999).

15.80.060 Rates and charges.

All real property in the city shall be charged for storm water utility services; provided, however, that undeveloped parcels shall not be subject to such charges; provided further, that such charges shall be imposed on and charged to the owners and/or developers of undeveloped parcels six months after the issuance of any building permit for development or construction on such parcel, unless such building permit has expired or been

cancelled without construction of the permitted facilities. The rates and charges to be imposed for all storm water utility services shall be uniform for all classes of real property as defined in LMC [15.80.040](#).

The amount of all such charges, fees and rates shall be determined by and set forth in a resolution of the city council. (Ord. 2757 § 1, 1999).

15.80.070 Billing and collection.

All charges and fees, under this article, for storm water utility services shall be combined with, shown separately from, and billed at the same time as water and sanitary sewer bills as provided in LMC 15.56.100.

All charges for storm water utility services for any improved parcel that does not receive water or sanitary sewer service from the city shall be billed to the record owner of such parcel on a monthly or bimonthly basis for the charges applicable to such parcel. (Ord. 2757 § 1, 1999).

15.80.080 Date payment of bills due – Delinquency – Penalties – Lien.

(1) All money due to the city for storm water utility services to any customer shall be due and payable within 15 days of the billing date shown on each bill.

(2) Any money due the city for storm water utility services shall be deemed delinquent if not paid on or before 15 days after the billing date shown on each bill.

(3) A penalty charge, as fixed from time to time by resolution of the city council, shall be added to any storm water utility bill which is not paid on or before 30 days after the billing date shown on each bill; and an additional penalty, as fixed from time to time by resolution of the city council, shall be added to such unpaid storm water utility bill for each successive 30-day period during which such bill, or any portion thereof, remains unpaid.

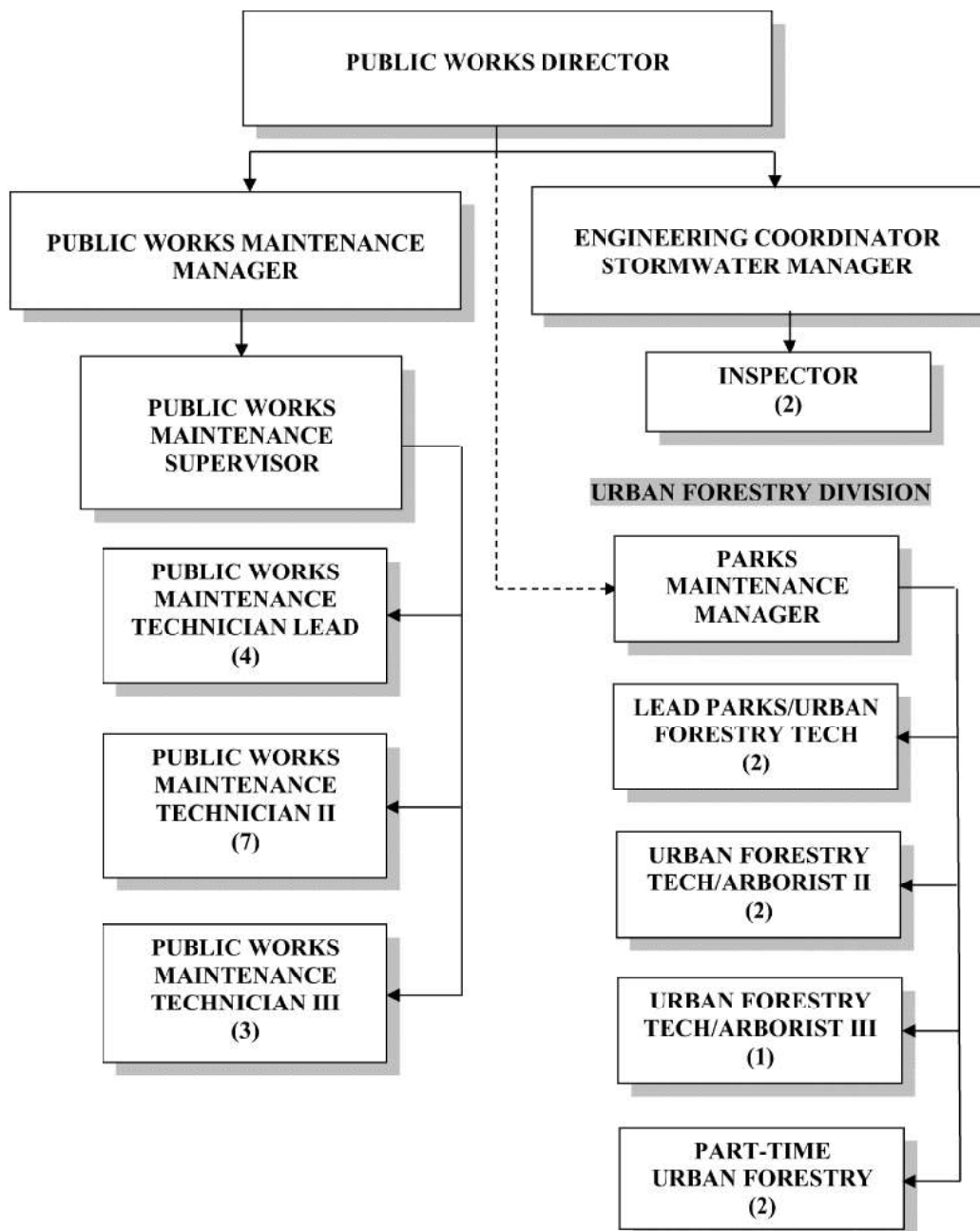
(4) All delinquent bills for storm water utility services shall be a lien upon the parcel served by such storm water utility, which lien shall be superior to all other liens and encumbrances except general taxes and local and special assessments. Filing of any written lien, and the enforcement thereof, shall be in the manner provided by law for such liens. (Ord. 2757 § 1, 1999).

15.80.090 Storm water utility fund.

There is hereby established a storm water utility fund into which all revenues, charges, grants, taxes and money from other sources shall be deposited and from which all expenditures related to the city's storm water utility drainage system shall be paid. This fund shall be kept in the manner prescribed by state law as to accounting and reporting procedures and requirements. (Ord. 2757 § 1, 1999).

Organization Chart

Storm Water



2021/2022 Budget

Enterprise Funds

Revenue Summary

FUND SUMMARY		Storm Water						
Enterprise Fund Title Storm Water	Department Head Responsible Ken Hash	Total Revenues	Actual	Budget	Budget	Percent	Budget	Percent
Beginning Fund Balance	\$2,370,000	By Source	2019	2020	2021	Variance	2022	Variance
2021/2022 Estimated Revenue	\$11,550,000	Taxes	\$0	\$0	\$0	0.0%	\$0	0.0%
Beginning Cash Required for Operations	\$240,710	Licenses & Permits	\$0	\$0	\$0	0.0%	\$0	0.0%
Total 2021/2022 Revenue	\$11,790,710	Intergovernmental	\$50,000	\$0	\$50,000	0.0%	\$0	0.0%
2021/2022 Estimated Expenditures	\$11,790,710	Charges for Services	\$5,141,690	\$5,407,570	\$5,741,190	6.2%	\$5,738,810	0.0%
Contribution to Ending Fund Balance	\$0	Fines & Forfeits	\$0	\$0	\$0	0.0%	\$0	0.0%
Total 2021/2022 Expenditures	\$11,790,710	Miscellaneous	\$67,490	\$10,000	\$10,000	0.0%	\$10,000	0.0%
Estimated Ending Fund Balance	\$2,129,290	Non-Revenues	\$0	\$0	\$0	0.0%	\$0	0.0%
		Other Financing Sources	\$0	\$0	\$0	0.0%	\$0	0.0%
		Beg Resources Req to Balance	\$0	\$0	\$141,830	0.0%	\$98,880	0.0%
		TOTAL REVENUES	\$5,259,180	\$5,417,570	\$5,943,020	9.7%	\$5,847,690	-1.6%
								\$11,790,710

Expenditure Summary

Storm Water							
Total Expenditures	Actual	Budget	Budget	Percent	Budget	Percent	2021-2022
By Object	2019	2020	2021	Variance	2022	Variance	Budget
Cont to End Fund Balance	\$0	\$0	\$0	0.0%	\$0	0.0%	\$0
Salaries & Wages	\$1,365,350	\$1,766,230	\$1,883,130	6.6%	\$1,921,130	2.0%	\$3,804,260
Personnel Benefits	\$642,780	\$791,780	\$982,490	24.1%	\$991,110	0.9%	\$1,973,600
Supplies	\$156,780	\$220,660	\$261,070	18.3%	\$261,070	0.0%	\$522,140
Other Services & Charges	\$1,840,260	\$1,946,710	\$2,323,430	19.4%	\$2,319,160	-0.2%	\$4,642,590
Intergovernmental	\$0	\$0	\$0	0.0%	\$0	0.0%	\$0
Capital Outlay	\$63,210	\$443,580	\$243,000	-45.2%	\$106,000	-56.4%	\$349,000
Debt Service	\$249,240	\$248,610	\$249,900	0.5%	\$249,220	-0.3%	\$499,120
Interfund Transfers	\$497,170	\$0	\$0	0.0%	\$0	0.0%	\$0
TOTAL EXPENDITURES	\$4,814,790	\$5,417,570	\$5,943,020	9.7%	\$5,847,690	-1.6%	\$11,790,710

Program Descriptions - Initiatives - Performance Measures

Stormwater Operations and Maintenance \$3,164,240

Provides for ongoing operations and maintenance (O&M) of the various components of the City's stormwater drainage, conveyance and water quality treatment systems. This program includes periodic and scheduled inspection, cleaning and maintenance of catch basins, manholes, pipes, culverts, roadside ditches and stormwater management facilities (such as stormwater ponds, bioswales, and bioretention planters). This program also includes necessary system repairs based on inspections, citizen requests, or emergency response.

continued

Stormwater Operations and Maintenance - continued

Initiatives/Activities *(The letter in the first column refers to its related performance measure below)*

- A Inspect and maintain stormwater inlets and catch basins
- B Inspect and maintain roadside ditches and open conveyances
- C Inspect and maintain stormwater pipes and manholes
- D Inspect and maintain stormwater management BMPs/facilities
- E Inspect and maintain three stormwater pump stations
- F Address customer requests

Performance Measures	2019	2020	2021	2022
	<u>Actual</u>	<u>Target</u>	<u>Target</u>	<u>Target</u>
A Number of inlet grates cleaned during storm events	2,095	1,500	1,500	1,500
A Number of catch basins inspected and cleaned	1,576	2,000	2,000	2,000
B Linear feet of roadside ditches inspected	10,871	10,000	10,000	10,000
B Linear feet of roadside ditches cleaned	11,363	10,000	10,000	10,000
C Number of manholes inspected and cleaned	447	550	550	550
C Linear feet of stormwater pipe cleaned	864	2,000	2,000	2,000
D Number of stormwater management BMPs/facilities maintained	91	110	110	110
E Number of pump station inspections	11	18	18	18
F Completed customer requests	280	300	300	300

Urban Forestry Tree Program..... \$2,513,410

Trees are an integral part of the City's stormwater management program to protect its urban watershed, as they help to reduce runoff and protect water quality. This program manages and maintains the City's Urban Forest consisting of over 10,000 trees, and includes maintenance and replacement of trees in City's parks and within the public right-of-way.

Initiatives/Activities *(The letter in the first column refers to its related performance measure below)*

- A Apply pesticides
- B Prune
- C Remove trees
- C Remove, root, or prune trees for sidewalk replacement plan
- D Replace and plant new trees
- E Remove brush and wood
- F Care for park nursery
- G Remove leaves from landscaped areas
- H Computer based inventory maintenance

Performance Measures	2019	2020	2021	2022
	<u>Actual</u>	<u>Target</u>	<u>Target</u>	<u>Target</u>
A Number of Certified Pesticide Applicators on staff	3	3	3	3
B Number of trees pruned, elevated, ensured clearance, cleaned	2,200	2,200	2,200	2,200
C Number of trees removed	187	150	200	200
C Number of trees removed for sidewalk repair	135	150	150	150
C Number of trees root pruned for sidewalk repair	76	100	150	200
C Number of paid removals by species list	30	30	30	30
D Number of trees planted	350	400	350	400
G Leaf clean up staff hours	950	950	950	950
H Total tree inventory	14,000	14,000	14,000	14,000
H Total number of vacant tree sites	3,500	3,300	3,500	3,300

Enterprise Funds

Urban Forestry Sidewalk Repair \$2,270,330

This Urban Forestry program repairs sidewalks damaged by the City's Urban Forest. The program is important to a livable, walkable City and to manage liability. Sidewalks are repaired by any or a combination of the following techniques: grinding offset panels; patching; removing intact panels, trimming roots and re-grading, and re-installing panels; and removing damaged and constructing new sidewalk.

Initiatives/Activities *(The letter in the first column refers to its related performance measure below)*

- A Grind offset sidewalk panels, as needed
- B Rehabilitate sidewalks by repairing base and re-using existing sidewalk panels
- C Reconstruct sidewalks

	2019 <u>Actual</u>	2020 <u>Target</u>	2021 <u>Target</u>	2022 <u>Target</u>
Performance Measures				
A Linear feet of sidewalk ground	86	1,200	1,200	1,200
BC Square feet of rehabilitated and reconstructed sidewalk panels	9,604	12,000	12,000	12,000

Street Sweeping \$1,273,810

The Street Sweeping program provides for cleaning streets, alleys, and City-owned parking lots to prevent debris and pollution from entering the City's stormwater system. Activities include year-round street sweeping and disposal of the debris, as well as collecting, hauling, and disposing of leaves from City streets during the fall months.

Initiatives/Activities *(The letter in the first column refers to its related performance measure below)*

- A Mechanical sweeping of City streets, alleys and parking lots on a scheduled or as-needed basis
- B Removal of leaves from City streets, alleys and parking lots

	2019 <u>Actual</u>	2020 <u>Target</u>	2021 <u>Target</u>	2022 <u>Target</u>
Performance Measures				
A Number of lane-miles cleaned	9,747	9,000	9,000	9,000
A Tons of debris swept (excluding leaves)	2,335	700	700	700
B Cubic yards of leaves collected	1,522	5,000	5,000	5,000

NPDES Stormwater Permit Compliance \$1,152,980

The program provides for compliance with the City's National Pollution Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit for operation of its stormwater drainage and conveyance system. The Permit requires the City to implement an ongoing program to reduce non-point source pollution to the MS4. It covers administration of the Permit as well as implementation of activities for public education, public involvement, illicit discharge detection and elimination (IDDE), and pollution prevention/good housekeeping for municipal facilities and field operations. It also includes Total Maximum Daily Load (TMDL) planning, sampling, and implementation activities to address impaired waters in the City.

Initiatives/Activities *(The letter in the first column refers to its related performance measure below)*

- A Provide a stormwater education and outreach program for residents and businesses
- B Create opportunities for the public to participate in the City's stormwater management program
- C Identify, prevent, and eliminate illicit discharges to the City's MS4
- D Perform inspections of municipal facilities and train City staff on standard operating procedures for stormwater pollution prevention and good housekeeping practices
- E Inspect City-owned and maintained stormwater BMPs and infrastructure for compliance with maintenance standards
- F Inspect privately-owned stormwater BMPs and businesses to ensure maintenance and control of pollutant sources

continued

NPDES Stormwater Permit Compliance - continued

Performance Measures		2019 Actual	2020 Target	2021 Target	2022 Target
A	Undertake stormwater education and outreach activities	5	6	6	6
B	Hold regular meetings of the Longview Stormwater Advisory Committee	1	2	2	2
C	Number of MS4 outfalls inspected	24	50	50	50
C	Completed IDDE investigations	35	30	30	30
D	Stormwater pollution prevention training sessions conducted for staff	3	6	6	6
D	Number of municipal facilities (properties) inspected	6	6	6	6
E	Number of City-owned and maintained BMP's inspected	117	120	120	120
F	Number of businesses inspected for stormwater pollutant source control	0	0	100	100

Capital Projects \$848,100

This program provides for Stormwater capital improvement projects, purchase of assets and equipment, and payment of debt service on borrowing for capital improvements and equipment purchases to support the operational needs of the Stormwater Utility. Proposed capital improvements and equipment purchases are identified in the City's 5-Year Capital Improvement Program in the budget.

Stormwater Development Review and Inspection \$567,840

This program is responsible for reviewing development plans and inspecting construction sites for compliance with the City's stormwater regulations and requirements under the NPDES MS4 permit, including provisions for management of both stormwater runoff quality and quantity, and incorporation of low impact development (LID) practices. This program also includes permit-required ongoing inspections of private stormwater facilities to ensure continued maintenance.



Initiatives/Activities *(The letter in the first column refers to its related performance measure below)*

- A Review development plans for compliance with City stormwater regulations
- B Inspect construction sites for compliance with approved plans and stormwater regulations
- C Perform ongoing inspections of permitted private stormwater management BMPs/facilities

Performance Measures		2019 Actual	2020 Target	2021 Target	2022 Target
A	Number of development plans reviewed	319	250	250	250
B	Number of construction site inspections	340	300	300	300
C	Number of permitted private stormwater BMPs inspected	60	70	75	75

TOTAL FOR ALL PROGRAMS \$11,790,710



City of Longview

Agenda Summary

Concave mirrors – Chris Collins

- **concave mirror policy development discussion**

Attachments:

1. Convex Mirror Memo



Memorandum

DATE: 6/5/2023

TO: Public Works Sub Committee

FROM: Ken Hash P.E, Public Works Director

VIA: Chris Collins, Asst. Public Works Director

SUBJECT: Convex Traffic Mirror Policy

Convex Mirrors are commonly used to improve visibility of pedestrians and vehicles in a variety of areas including warehouses, driveways and parking areas. In the past Convex Mirrors have been used in Longview to improve visibility for vehicles exiting private driveways where site lines were not adequate. Currently there appears to be no research or documentation from any US state or federal governmental agencies regarding the use of the convex mirrors within the Right-of-Way.

While convex mirrors may be appropriate for some low speed applications, they are not appropriate for use on public roadways. Some of the issues with the use of convex mirrors include:

- Mirrors do not function as well at night, they can be difficult to see and light from vehicles reflects in various directions
- Mirrors do not work in poor weather, including rain, snow and ice events weather may also knock the mirror out of alignment
- Mirrors distort the image, speed and distance of the oncoming traffic.
- Mirrors invert the image.

These issues make it easy for roads users to misinterpret the image provided by the mirror. For these reasons Longview Public Works does not recommend the installation of convex mirrors for use on public streets.

Use of mirrors at the intersections of driveways may be approved on a case by case basis by the City Engineer in concurrence with the Public Works Director. It shall also be the policy of the City of Longview to leave any existing mirrors as is and review their effectiveness as they need to be replaced or moved. Should you have any questions or require any additional information please do not hesitate contact me.



City of Longview

Agenda Summary

Speed humps – Ken Hash

- **Review of Resolution No. 1825**
- **How does it really work?**
- **What about Alabama St?**

Attachments:

1. Speed Humps



Speed Humps

Review of Resolution No. 1825

Alabama/ 32nd Corridor

Michigan St.



Resolution No. 1825

Policy for speed hump installation in Longview

- 2 travel lanes
- Not wider than 40 feet
- Less than 8% grade
- Less than 30 mph
- Classified as local or collector/ residential street
- ADT less than 5000
- 50% of vehicles speeding 5+ within 24-hour period
- 60% resident approval within 500'

Deviation from Criteria

- Decision made by the Public Works Director
- Site Specific Traffic Study
- Consultations with Police and Fire



Cost

Moderate to Low Income Areas

- Community Development Block Grant (CDBG) program

Income Above Moderate to Low Areas

- Requesting Residents

New Development

- Developer



Current Speed Hump Projects in Review

Alabama Street

- Beech St. to Oregon Way
- 7 humps

32nd Avenue

- Beech St. to Washington Way
- 3 humps

Michigan Street

- 32nd Ave. to Ocean Beach HWY.
- 2 humps

