

# City of Pateros, Public Works & Parks

## May 2022 –Report to City Council

By City Administrator/  
Public Works Supervisor  
Jord L. Wilson, MLA



Public Works Team  
Mike Lambert – Wastewater  
David Hunter – Water/Streets  
Ryan Sisler – Parks  
Dalton Heller – PW/Parks

## ADMINISTRATIVE

It has been a busy month for Public Works and Parks. The additional help of Roman has really improved our ability to tackle projects on multiple fronts. The Warren Avenue project is causing a lot of disruption with parking and access, but JM Pacific has been good to respond to all our concerns. We are receiving positive feedback from residents, and really appreciate their patience. I anticipate the project to wrap up the second half of June.

We had a near-miss accident on Warren Avenue with a young girl almost falling in an open manhole. We had reports of two manhole lids being removed on Warren Avenue, and it is suspected vandalism.

## GRANTS, PLANNING, ECONOMIC DEVELOPMENT & PROJECTS

Water System Improvement (Final Tasks) – Scope determined, ready to approve Varela contract.

Welcome Center Project – The new pergola is behind due to cold weather. They were unable to get the primer on it in Twisp. However, they are installing it as I write this report. Next steps will be to finish the storm drain and electrical work.

Capital Improvement Plan – No action this month.

Shoreline Master Plan – The public survey is on the front page of Pateros.com.

General Sewer and Wastewater Facilities Plan (GSWFP) – Varela is working on the project. I have been feeding them information as needed.

TIB Warren Street Sidewalk Grant – Project is full steam ahead. Warren Ave is torn up. Traffic is difficult, and we appreciate everyone being patient. JM Pacific has been an excellent contractor; I am very pleased with their performance to date. I will include the latest schedule – they are always preliminary and subject to change.

2022 Chip Seal/Crack Seal Project – Crack seal is completed. I completed the close out docs, and Kerri has filed for reimbursement. We are in the planning stage of the chip seal project and are identifying prep work that must be completed before the big chip seal project starts, in August.

Winter Barn – We moved the pergola project on the mall up in the schedule and the side bracing on the Winter Barn to July, because Mark, the welder, will be out for health reasons. Mike Lambert is working on getting electricity in, and David and Ryan will be working on getting water during the interim.

Solar Project – Everything is still on schedule for a June 15 start date.

Charging Stations for Downtown – They will be submitting the grant application in the next week.

CDBG Development Guidelines Grant - I have been working with the planner and engineer on reviewing and updating our Building and Development Forms to meet RCWs and PMCs.

## PUBLIC WORKS

### APRIL/MAY ACTIVITIES

- ✓ Installed meter pit for Warren Avenue project.
- ✓ New water connection installed on Ives Street.
- ✓ Landscape and irrigation installation complete next to Post Office.
- ✓ Parking lots swept
- ✓ Irrigation box repairs in Memorial Park
- ✓ Cemetery irrigation repairs
- ✓ Weekly weed spraying in parks and right of ways
- ✓ Beaver fencing repaired and replaced
- ✓ Vandalism – broken window at restroom at Methow Boat Launch repaired
- ✓ All irrigation lines have been turned on and repaired to start season
- ✓ Valve/controller repair in Memorial Park near City Hall

### APR/MAY PLANNED ACTIVITIES

- ❖ Road patch and prep for chip seal
- ❖ Finish breezeway utility installation.
- ❖ Install electric and water at Winter Barn.
- ❖ Replace fire hydrant on Industrial Way (all the parts finally came in.
- ❖ Prep for street striping & hydrant painting

## PARKS & RECREATION

- 🌳 We have been prepping for the first Movie in the Park night.
- 🌳 Dalton and Roman have been working on keeping landscapes tuned up.
- 🌳 The crew has started the weekly spray schedule.
- 🌳 Dalton has completed a lot of irrigation repairs
- 🌳 Landscape repairs at Peninsula Park

2nd QUARTER							
PUBLIC WORKS PERPETUAL CALENDAR							
APRIL		WK 1	WK 2	WK 3	WK 4	%	✓
Peak Park M&O Tasks						Ongoing	
Cross Connection Special Projects						50	
Facility Painting							
Sign Survey M&O							
MAY		WK 1	WK 2	WK 3	WK 4	%	✓
Schedule annual generator						100	✓
Fertilize Memorial for APJ							✓
Schedule swim dock with PUD							
Plant Mall Containers							
Peak Park M&O Tasks						Ongoing	
JUNE		WK 1	WK 2	WK 3	WK 4	%	✓
Street Striping							
Peak Park M&O Tasks							

Parks RV/Camping/Parking Fees Memorial & Ives Landing						
	2017	2018	2019	2020	2021	2022
JAN	\$ -	\$ -			\$ 105.00	
FEB	\$ -	\$ 25.00			\$ 245.00	
MAR	\$ -	\$ -			\$ 110.00	\$ 105.00
APR	\$ 97.00	\$ 25.00	\$ 160.00		\$ 580.00	\$1,500.00
MAY	\$ 136.50	\$ 332.00	\$ 85.00		\$ 775.00	
JUN	\$ 423.00	\$1,227.85	\$ 35.00	\$1,855.00	\$2,635.00	
JUL	\$ 279.00	\$2,866.88	\$1,200.00	\$3,318.00	\$1,794.25	
AUG	\$1,195.24	\$3,676.00	\$ 740.25	\$1,994.00	\$1,105.00	
SEP	\$ 410.35	\$ 814.00	\$1,739.00	\$1,125.00	\$1,437.10	
OCT	\$ 153.00	\$ 460.00	\$ 120.00	\$ 305.00	\$ 135.00	
NOV	\$ 6.00	\$ 37.00	\$ 145.00	\$ 2.00	\$ 35.00	
DEC	\$ -	\$ -	\$ -			
<b>Total</b>	<b>\$2,700.09</b>	<b>\$9,463.73</b>	<b>\$4,224.25</b>	<b>\$8,599.00</b>	<b>\$8,956.35</b>	<b>\$1,605.00</b>
<b>YTD</b>	<b>\$ 97.00</b>	<b>\$ 50.00</b>	<b>\$ 160.00</b>	<b>\$ -</b>	<b>\$1,040.00</b>	<b>\$1,605.00</b>

Ives Landing Dump Station (Sewer Dept)						
	2017	2018	2019	2020	2021	2022
JAN	\$ -	\$ -				
FEB	\$ -	\$ 10.00				
MAR	\$ -	\$ -				\$ 24.00
APR	\$ 48.16	\$ 40.00	\$ 21.00	\$ 113.00		\$ 30.00
MAY	\$ 95.85	\$ 85.00			\$ 186.00	
JUN	\$ 228.00	\$ 240.00	\$ 230.75	\$ 268.00	\$ 519.41	
JUL	\$ 276.00	\$ 285.00	\$ 280.92	\$ 224.00	\$ 120.00	
AUG	\$ 305.00	\$ 112.00	\$ 155.00	\$ 341.75	\$ 358.00	
SEP	\$ 97.00	\$ 143.00	\$ 236.06	\$ 126.25	\$ 375.00	
OCT	\$ 145.50	\$ 164.00	\$ 116.00	\$ 201.35	\$ 230.15	
NOV	\$ 104.75	\$ 53.00	\$ -	\$ -	\$ -	
DEC	\$ -	\$ 83.00	\$ -			
<b>Total</b>	<b>\$1,300.26</b>	<b>\$1,215.00</b>	<b>\$1,039.73</b>	<b>\$1,274.35</b>	<b>\$1,788.56</b>	<b>\$ 54.00</b>
<b>YTD</b>	<b>\$ 48.16</b>	<b>\$ 50.00</b>	<b>\$ 21.00</b>	<b>\$ 113.00</b>	<b>\$ -</b>	<b>\$ 54.00</b>

## WATER DEPARTMENT

Cost for water parts has jumped significantly. Availability for some of our common parts is out 3 to 6 weeks. There was a line break this winter at the cemetery. We assisted the Cemetery District in exposing the line and making the repair. We believe we have the issue fixed so it won't happen again. They are still waiting on O'Connells to inspect the pump and get it up and running for the season.

The crew spent several days putting in a new water connection near Warren and Eveline. The new meter will be available for street trees along the Warren Avenue sidewalk project. The crew also installed a new meter for a new house on Ive Street.

APRIL		2022 WATER PRODUCTION									
	2018	2019	2020	2021	2022		2018	2019	2020	2021	2022
Jan	1,797,800	2,121,438	2,036,291	2,277,596	2,673,280	Jul	17,454,000	18,968,280	16,601,532	19,584,242	
Feb	1,552,000	2,056,813	1,946,743	2,057,440	1,974,640	Aug	14,152,900	16,600,547	16,750,284	15,522,640	
Mar	1,778,900	2,260,796	2,373,833	2,133,860	2,375,360	Sep	10,192,700	8,729,598	12,227,228	11,318,457	
Apr	2,963,400	4,503,629	6,608,729	6,062,448	4,126,768	Oct	6,663,600	4,690,568	5,526,800	6,718,040	
May	9,611,300	12,892,999	10,446,235	11,714,756		Nov	2,076,600	2,178,552	1,961,332	2,909,658	
Jun	13,457,700	16,082,186	13,249,332	15,794,652		Dec	1,867,529	1,918,369	1,943,276	2,196,784	
<b>Year to Date Total</b>	2018	2019	2020	2021	2022		<i>Pump Station #3</i>			4,121,344	
<b>Gallons</b>	8,092,100	10,942,676	12,965,596	12,531,344	11,150,048		<i>Pump Station #4</i>			5,424	
							<i>% of change YTD compared to 2018</i>			27%	
<b>Water Quality Testing</b>											
<b>Coliform Test</b>	<i>This is an indicator test for total coliform (good and bad). The presence of coliform in a sample indicates the need for further testing</i>										
4/18/2022	2 Tests		Coliform absent								
<b>Chlorine Monitoring</b>	<i>A target residual of 0.3-0.5 (min. 0.2) used to control microbes *As part of routine monitoring, the chlorine input rate is immediately increased for all chlorine tests results below 0.2 to meet the DOH minimum of 0.2</i>										
4/1 - 4/30	<i>Month Median of 0.31</i>	Daily samples Mon-Fri	<i>Target Min Chlorine Levels is 0.20 at furthest point in system. Target levels 0.3 - 1.50 (4.0 State MCL)</i>								
<b>Manganese Testing</b>	<i>Historic Highs from old wells 0.2-0.7 &amp; DOH SMCL 0.05</i>										
<b>Location</b>	<b>Date</b>	<b>Most Current</b>	<b>Average</b>	<b>High</b>	<b>Low</b>	<b>Median</b>					
Pump Station #3	03/02/22	0.00079	0.00113	0.01207	0.00010	0.00017					
Pump Station #4	09/10/21	0.66800	0.12412	0.66800	0.00037	0.09879					

## STREET DEPARTMENT

We have been taking the extra dirt from the Warren Avenue sidewalk project and placing it along the right of way park on Warren Ave between North and Independence. The purpose is to widen the shoulder of Warren in this area in case we ever want to put a sidewalk or trail. We are going to clean up the grade of the slope and add rock mulch and shrubs, careful not to block views.

Kerri and I completed the draft 6-Year Street Plan. Many of the projects are not TIB eligible, so the City will need to pursue other avenues of funding. I have also drafted the 2022 Local Road Safety Plan (2022 LRSP), SEE ATTACHED. The LRSP is at the engineer for review and will help us be eligible for Development/Design-Only application to the WSDOT Pedestrian/Bicycle Program (PBP). Please contact me if you have any questions or concerns.

## SEWER DEPARTMENT

Mike passed all of his lab Performance Evaluation tests. Excellent job! This is always a stressful process, but it allows us to be a certified lab and to perform our own daily/weekly testing. Mike tests close to a 100 parameters weekly.

Mike has been working on cleaning drying beds from winter processing. It is a huge amount of hand work. Mike has been cobbling the Deskin's, biosolids picker-upper, together. Parts are no longer available and all repairs have to be machined in-house.

City of Pateros Sewer Department									
Permittee: Pateros POTW					Permit #: WA0020559		Operator: Mike Lambert		
2022 Wastewater Processed in Gallons									
	2019	2020	2021	2022		2019	2020	2021	2022
January	1,267,300	1,458,000	1,549,650	1,619,500	July	1,580,000	1,663,000	1,769,300	
February	1,136,000	1,342,700	1,444,200	1,368,700	August	1,415,100	1,494,200	1,674,400	
March	1,284,500	1,299,500	1,202,300	1,525,200	September	1,496,300	1,457,100	1,498,100	
April	1,741,500	1,239,700	1,272,000	1,426,800	October	1,611,290	1,419,900	1,478,900	
May	1,427,400	1,489,000	1,611,900		November	1,442,200	1,311,700	1,397,500	
June	1,448,900	1,488,700	1,771,300		December	1,433,100	1,227,900	1,627,900	
<b>Year To Date Totals</b>		<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>% of change YTD</b>		<b>9%</b>	
<b>Gallons Processed</b>		5,429,300	5,339,900	5,468,150	5,940,200	<b>compared to 2019</b>			
Wastewater Effluent Monitoring									
Total BOD 5-day	Organic Loading Rates (Permit Range $\geq 85\%$ )			Fecal Coliform Bacteria	(Permit Range Weekly $\leq 100$ ; Monthly $\leq 200$ )				
Weekly Test	4 - Tests	99% removal		Monthly Geometric Mean	4-tests	1.25			
TSS	Total Suspended Solids, non organics (Permit Range $\geq 85\%$ )			Disolved Oxygen	Daily – Report Only				
Weekly Test	4 - Tests	96.75% removal		Daily Test	Mon-Fri	4.1 Max			
pH	(Daily min/max permit range equal/between pH 6 and pH 9)			Temperature	Daily – Report Only Average Degree Celcius				
Weekly Minimum	Mon-Fri	6.9		Daily Test	Mon-Fri	15			
Weekly Maximum	Mon-Fri	7.2		Amonia (Report only)	1 sample	4/27/2022	0.0971		