

City of Pateros, Public Works & Parks

April 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

Spring is breaking – slowly. All the park restrooms are open; the mall is busy with diners; irrigation is almost all on; spring cleanup in landscapes completed; and roads swept. The crew has made good progress on a lot of fronts.

GRANTS, PLANNING, ECONOMIC DEVELOPMENT & PROJECTS

Direct Appropriations – applied for direct appropriations through both Congressman Newhouse and Senator Murray’s office for The Mall Revitalization Project. We received several letters of support from the community. The project, if funded would repair/replace water and sewer under the Mall, stormwater in the Mall and parking lot, and hardscape (pavement and sidewalk) of the Mall and parking lot.

Water System Improvement (Final Tasks) – Ben to update Council committee on next steps and proposed scope of work.

Welcome Center Project – The new pergola is expected the week of April 18th. Benches, plants, and planters have been ordered for the project. Concrete replaced, boulders and rock mulch installed. Irrigation, stormwater, and electric have been stubbed in.

Capital Improvement Plan – No action this month.

Shoreline Master Plan – Planning committee has met and approved an outline of the project. Expect some public meetings and surveys in the near future.

General Sewer and Wastewater Facilities Plan (GSWFP) – Varela has provided two technical memos for review (see attached). One is Flow and Loading Projections, and the second is Planning Areas and Population.

TIB Warren Street Sidewalk Grant – If contract is approved, the construction kick-off meeting will be 4/20 and the contractor would like to begin the project 4/25.

2022 Chip Seal/Crack Seal Project – The crack seal project went exceptionally well. The chip seal project is going to come in at close to \$70,000. Jonathon at TIB has given me the green light to work with the County on the chip seal project as presented to Council in February.

Winter Barn – No activity on the winter barn this month. Mark is expected to construct the steel side bracing by the end of April.

Solar Project – I am attaching a preliminary schedule for the solar project. They are shooting for installation the last two weeks of June.

Charging Stations for Downtown – working with Cyan Strategies on a grant for four high speed charging stations for downtown Pateros.

Community Kiosk in the Mall – Working with Okanogan Tourism and the County on kiosk. They are in the process of hiring a designer for the kiosk.

PUBLIC WORKS

MAR/APR ACTIVITIES

- ✓ Park restrooms opened
- ✓ Ives Landing opened
- ✓ Finished spring cleanup of landscapes
- ✓ Park irrigation turned on
- ✓ Repaired sewer main at Independence and Ives
- ✓ Repaired sewer main at top of Edna Street (found manhole missing for 25+ years)
- ✓ Completed First Aid and other training
- ✓ Pedestrian crosswalk signs set out including pedestrian crossing signs on Warren near the Tennis Courts.
- ✓ Hydrant ready for replacement on Industrial Way.
- ✓ Repaired grass in front of Riverview Pavilion
- ✓ Tree pruning
- ✓ First mow of the season including the ditch.

APR/MAY PLANNED ACTIVITIES

- ❖ Road patch and prep for chip seal
- ❖ Finish breezeway utility installation.
- ❖ Install steel bracing on Winter Barn
- ❖ Paint Winter Barn storage containers in preparation for setting roof.
- ❖ Finish turning on all irrigation and repair water lines
- ❖ Replace fire hydrant on Industrial Way.
- ❖ Kickoff weed spraying

PARKS & RECREATION

- 🌳 Spring cleanup has been completed in park and city landscapes.
- 🌳 Roman has begun mowing.
- 🌳 Ryan has got almost all the irrigation up and running for the season.

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							
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							
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	
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	\$ -	\$ -	\$ -			
Total	\$2,700.09	\$9,463.73	\$4,224.25	\$8,599.00	\$8,956.35	\$ 105.00
YTD	\$ -	\$ 25.00	\$ -	\$ -	\$ 460.00	\$ 105.00
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		
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	\$ -			
Total	\$1,300.26	\$1,215.00	\$1,039.73	\$1,274.35	\$1,788.56	\$ 24.00
YTD	\$ -	\$ 10.00	\$ -	\$ -	\$ -	\$ 24.00

- ❏ Sand and soil have been brought into the lawn in front of the Riverview Pavilion and it has been reseeded. The area holds water, and we are trying to lift it so that it will not be saturated during summer event season. Hopefully, the grass will be mature in time for the first movie event.
- ❏ The PUD had a pre-bid meeting on the trail connecting Memorial Park to Ives Landing. It is still on track for fall construction.

WATER DEPARTMENT

With new equipment comes costs. We now have backup generators for both water and sewer system on a biannual service contract which requires us to hire an electrician and testing company to run the service tests. The generators are put under a load to ensure that they will perform in an emergency. The testing costs over \$3,000 per generator – 2 for our wells and 2 – for our sewer system.

MARCH		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		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	
Year to Date Total Gallons	5,128,700	6,439,047	6,356,867	6,468,896	7,023,280		Pump Station #3		2,375,360		
							Pump Station #4		-		
							% of change YTD compared to 2018				27%
Water Quality Testing											
Coliform Test	This is an indicator test for total coliform (good and bad). The presence of coliform in a sample indicates the need for further testing										
3/8/2022	2 Tests		Coliform absent								
Chlorine Monitoring	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										
3/1-3/31	Month Median of 0.25	Daily samples Mon-Fri		Target Min Chlorine Levels is 0.20 at furthest point in system. Target levels 0.3 - 1.50 (4.0 State MCL)							
Manganese Testing	Historic Highs from old wells 0.2-0.7 & DOH SMCL 0.05							Next schedule manganese test			
Location	Date	Most Current		Average	High	Low	Median	Pump station #3 April			
Pump Station #3	03/02/22	0.00079		0.00113	0.01207	0.00010	0.00017	Downtown Pump station - TBD			
Pump Station #4	09/10/21	0.66800		0.12412	0.66800	0.00037	0.09879				

STREET DEPARTMENT

All city streets were crack sealed (over twenty-six miles of crack seal). We did not do any parking lots or areas outside the lane of travel. Jonathon at TIB was unable to be present, but I sent lots of pictures. TIB was pleased with the project, and we will move into pavement repairs in anticipation of a summer/fall chip seal.



SEWER DEPARTMENT

Mike completed his Performance Evaluation testing required for lab accreditation. We had two sewer repairs this last month. A service line repair at Independence and Ives Street and a plugged sewer service at the top of Edna Street. We did uncover a lost manhole at the top of Edna Street in the process of the repairs.

A lift pump failed on Warren Avenue and required replacement. The cost was over \$7,000. Typically we rebuild the pumps, and this pump had been rebuilt several times. We replaced the pump, as the cost to rebuild the pump was almost as much as a new pump.

MARCH		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		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	
Year To Date Totals		2019	2020	2021	2022	% of change YTD compared to 2019			22%
Gallons Processed		3,687,800	4,100,200	4,196,150	4,513,400				
Wastewater Effluent Monitoring									
Total BOD 5-day	Organic Loading Rates (Permit Range $\geq 85\%$)			Fecal Coliform Bacteria	(Permit Range Weekly ≤ 100 ; Monthly ≤ 200)				
Weekly Test	5 - Tests	99% removal		Monthly Geometric Mean	4-tests	7.7			
TSS	Total Suspended Solids, non organics (Permit Range $\geq 85\%$)			Disolved Oxygen	Daily – Report Only				
Weekly Test	5- Tests	94.2% removal		Daily Test	Mon-Fri	6.3 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	7.3		Daily Test	Mon-Fri	13			
Weekly Maximum	Mon-Fri	8.1		Amonia (Report only)	1 sample	3/8/2022	1.4		