

City of Pateros, Public Works & Parks

October 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

Good progress was made on the Warren Avenue Safety Improvement Project and our annual street striping. We spent about a week on street striping including the goat tracks from US97 to the school. We installed over a dozen new signs and removed several old signs. We have been working on school zone speed limit signs for multiple years and completed that project with the new signs on Warren Avenue. The project also included new stop signs at Warren/Eveline and replaced a yield with a new stop sign at Ives/Riverside Drive.

The crew have been prepping for construction of the winter barn. The lifts were to be delivered on October 3rd, but due to some scheduling difficulties with the rental company, the equipment is to be onsite October 12th. If all goes as planned, the crew will be starting to erect the corrugated metal structure this week.

This report is a little brief, as Kerri and I are leaving for vacation 10/12-10/17. I will be attending IACC on the day I return, so will not be in the office until Friday 10/21.

GRANTS, PLANNING, ECONOMIC DEVELOPMENT & PROJECTS

Economic Development .09 Priority Applications – Jord to present three projects to the Scoring Committee 10/10/2022

Water System Improvement (Final Tasks) – RD has approved the water testing project and Varela has begun to move on setting up a testing plan.

Welcome Center Project – Scope of work and contract ready for Council review and acceptance.

Shoreline Master Plan – No update this last month.

General Sewer and Wastewater Facilities Plan (GSWFP) – Varela is working on final draft. Kerri and I are still responding to info requests from Varela.

TIB Warren Street Sidewalk Grant – Working on close-out documents.

2022 Chip Seal/Crack Seal Project – Working on close-out documents

Winter Barn – Lift equipment delivery was changed from 10/3 to 10/ 12.

Solar Project – Construction to begin 10/10 for completion by end of month.

Stormwater Master Plan – Grant/loan application submitted 10/10/2022

Highway 97 Pedestrian Crossing & Pathway PBP DDO Project – Made it to Tier 1. This puts us on the list to the legislature, we will have to wait until 5/23 to see if we get funded.

PUBLIC WORKS

SEPTEMBER/OCTOBER ACTIVITIES

- ✓ Street striping and sign installation
- ✓ Railroad sign bases installed.
- ✓ ECY sewer plant inspection
- ✓ Winter barn construction work.

OCT/ NOV PLANNED ACTIVITIES

- ❖ Winter barn work
- ❖ Water line flushing
- ❖ Hydrant inspections
- ❖ LNI safety compliance activities
- ❖ Irrigation and restroom winterization
- ❖ Vehicle/equipment winterization

PARKS & RECREATION

- 🔧 Progress is being made on the trail project connecting Memorial Park to Ives Landing. The crew has remodeled irrigation in front of City Hall in preparation of the new trail. The property line between city hall and the hotel has been staked. City Hall (the hose tower) is 20 feet off of the property line.
- 🔧 We are aware that there are a couple of trail/Mall lights out and have contacted an electrician to repair.
- 🔧 RV use dropped off in September, but it has still been a good year for Ives Landing Park.

WATER DEPARTMENT

- The Apple House hydrant is online. We were unable to get the extension installed, but the hydrant is operational.

3rd QUARTER 2022							
PUBLIC WORKS PERPETUAL CALENDAR							
	WK 1	WK 2	WK 3	WK 4	%	✓	
JULY							
Peak Weed Management					80	✓	Completed for season
APJ Prep					100	✓	
Sidewalk Inspection					100	✓	
Vegetation and street obstruction inspection					100	✓	
Schedule tennis court repairs					100	✓	
AUGUST							
Street Striping					100	✓	Completed for season
Street repair special projects					100	✓	
Street sign special projects					100	✓	
Test biosolids & Sours					50		Testing sent off
Facility Inspections for budget					100	✓	
Schedule Tennis Court Repairs					100	✓	
Playground Inspection					100	✓	
SEPTEMBER							
Haul biosolids					0		October
Schedule Contract Pruning					0	✓	None this year
Hydrant flushing, valve actuation					0		October
Hydrant Inspections & Repairs					0		October

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	\$ 1,260.00
JUN	\$ 423.00	\$1,227.85	\$ 35.00	\$1,855.00	\$2,635.00	\$ 2,990.00
JUL	\$ 279.00	\$2,866.88	\$1,200.00	\$3,318.00	\$1,794.25	\$ 2,590.00
AUG	\$1,195.24	\$3,676.00	\$ 740.25	\$1,994.00	\$1,105.00	\$ 1,295.00
SEP	\$ 410.35	\$ 814.00	\$1,739.00	\$1,125.00	\$1,437.10	\$ 340.02
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	\$ 10,080.02
YTD	\$2,541.09	\$8,966.73	\$3,959.25	\$8,292.00	\$8,786.35	\$ 10,080.02

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	\$ 160.00
JUN	\$ 228.00	\$ 240.00	\$ 230.75	\$ 268.00	\$ 519.41	\$ 170.00
JUL	\$ 276.00	\$ 285.00	\$ 280.92	\$ 224.00	\$ 120.00	\$ 331.00
AUG	\$ 305.00	\$ 112.00	\$ 155.00	\$ 341.75	\$ 358.00	\$ 266.19
SEP	\$ 97.00	\$ 143.00	\$ 236.06	\$ 126.25	\$ 375.00	\$ 157.02
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	\$ 1,138.21
YTD	\$1,050.01	\$ 915.00	\$ 923.73	\$1,073.00	\$1,558.41	\$ 1,138.21

August		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	16,350,504
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	17,786,352
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	7,790,780	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	11,013,668	Dec	1,867,529	1,918,369	1,943,276	2,196,784	
Year to Date Total Gallons	2018	2019	2020	2021	2022		Pump Station #3		17,786,352		
	62,768,000	75,486,688	70,012,979	75,147,634	64,091,352		Pump Station #4		-		
							% of change YTD compared to AVG 2018-2021			-11%	
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										
8/24/2022	1 Test		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										
8/3-8/30	Month Average of 0.22	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										
Location	Date	Most Current		Average	High	Low	Median				
Pump Station #3	07/27/22	0.00010	PRIMARY	0.00117	0.01207	0.00010	0.00016				
Pump Station #4	09/07/22	0.30700	OFFLINE	0.13632	0.66800	0.00037	0.10130				

STREET DEPARTMENT

SEPTEMBER STREET IMPROVEMENTS

- Painted fog line to Warren and Riverside, yield bars (shark teeth) and most stop bars north of US97.
- Centerline (dashed yellow) striping, on north side of US97, will be used primarily on Riverside, Warren, and the school loop (North and Beach). Centerline striping will not be used on most other residential streets as the streets are narrow and have low traffic counts. Centerline striping is not recommended for narrow low volume streets as it creates unnecessary wear on the edge of the pavement.
- New street signs: Stop signs at Evelyn/Warren and Ives/Riverside; 2 – 25 MPH signs; 5-school speed limit signs.
- Clarified street striping at Warren intersections at Dawson, Lakeshore, Eveline, and Riverside. Painted No-Parking curb at Warren/Lakeshore for increased visibility. The lane of travel was too narrow to allow for street parking.
- Railroad sign bases are set, waiting for delivery of signs to install.
- As part of the Warren Avenue Safety Project, a survey has been ordered for the Independence/Warren intersection. There is concern about visibility at the intersection, especially during winter months with snow piles. The survey included title searches and will take several months to complete.

SEWER DEPARTMENT

- ECY made an inspection and introduction to our new permit writer, Stephanie Giesin. New lead Technical Unit Supervisor was present also.
- We have been having difficulties with the Warren Aven Lift Station. We called a technician in for repairs, and believe we have got it back up and running.
- We continue to have difficulties with our alarm system. The system notifies us when there is an issue with the water and sewer systems. Century Link repaired the phone line to treatment plant and Nextiva repaired the line to the SCADA system. Now we are working with Control Freak to fix the alarms in the SCADA system. Mike Harding has been our last line of defense for responding to weekend alarms, and we appreciate his work!
- Mike has met with Chad, with Evergreen Rural Water, to complete some annual testing. As soon as the testing is complete, we will be hauling biosolids to Boulder Park in Mansfield.

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	1,790,100
February	1,136,000	1,342,700	1,444,200	1,368,700	August	1,415,100	1,494,200	1,674,400	1,621,600
March	1,284,500	1,299,500	1,202,300	1,525,200	September	1,496,300	1,457,100	1,498,100	1,327,400
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	1,901,400	November	1,442,200	1,311,700	1,397,500	
June	1,448,900	1,488,700	1,771,300	1,697,400	December	1,433,100	1,227,900	1,627,900	
Year To Date Totals		2019	2020	2021	2022	% of change YTD		12%	
Gallons Processed		12,797,000	12,931,900	13,793,150	14,278,100	compared to 2019			
Wastewater Effluent Monitoring									
Total BOD 5-day	<i>Organic Loading Rates (Permit Range $\geq 85\%$)</i>				Fecal Coliform Bacteria	<i>(Permit Range Weekly ≤ 100; Monthly ≤ 200)</i>			
Weekly Test	5 - Tests	99% removal			Monthly Geometric Mean	5-tests	15		
TSS	<i>Total Suspended Solids, non organics (Permit Range $\geq 85\%$)</i>				Disolved Oxygen	<i>Daily – Report Only</i>			
Weekly Test	5 - Tests	95% removal			Daily Test	Mon-Fri	1.5 Max		
pH	<i>(Daily min/max permit range equal/between pH 6 and pH 9</i>				Temperature	<i>Daily – Report Only Average Degree Celcius</i>			
Weekly Minimum	Mon-Fri	7.2			Daily Test	Mon-Fri	20		
Weekly Maximum	Mon-Fri	8.3			Amonia (Report only)	1 sample	9/27/2022	0.0	