

City of Pateros, Public Works & Parks

July 2021 –Report to City Council

By City Administrator/
Public Works Supervisor
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Public Works Team
Mike Lambert – Wastewater
Doug Kirk – Water
Ryan Sisler – Parks
David Hunter – Streets

ADMINISTRATIVE

The focus of July is getting the city ready for Apple Pie Jamboree. This year will be the first year with the new pump station and pavilion, so there will be a new configuration. I have been preparing grant applications for infrastructure and economic development projects. It was very exciting to see the new pavilion in use and a successful Pateros Market & Movie night.

City Hall abandoned the old phone lines and went to an internet-based phone system. The old copper lines were failing at least monthly for hours and sometimes days at a time. This system is tied to our fiber connection, and we have the ability in emergency to take our phones to another location and use as City Hall phones.

GRANTS & PROJECTS

CDBG Construction/Development Grant – Grant application has been turned in award notifications are expected in early September.

ARPA Grant – The City has received the first disbursement of the ARPA grant. I am working with Council on spending priorities for the grant.

.09/Infrastructure Grants – I have been preparing infrastructure and economic development projects for County and Regional ranking.

- Pateros Mall Renovation Project – The project will be broken down into four components
 1. Welcome Center – rehab the message center/business sign and the breezeway
 2. Water Main Project – replace and raise water main under mall and install new service connections
 3. Mall Drainage Project – rehabilitate south end of mall and provide for adequate drainage.
 4. Sewer Lining Project – Repair/line without digging up sewer transmission line under mall.
- Starr Road Infrastructure Project – Infrastructure development: road, power, water, septic, security.
- Pederson Road Pedestrian Access Project – Develop trail/sidewalk from Pederson Road Neighborhood to downtown and school.

TIB Warren Street Project – The City rejected all bids, as there were some bidding issues and they came in too high for TIB to authorize without Board approval. We will rebid after the first

of the year right before the March TIB board meeting. If the bids come in at that time, we can go to the board and request additional funding.

PLANNING & ECONOMIC DEVELOPMENT

Pateros Market – The outdoor theater arrived and will be used at the 7/9 market. Pedestrian crossing signs have been installed to increase safety during summer events.

Plastics Survey – The Plastic’s survey has been extended for CREA to add a few last-minute contacts and the most recent State recycle data.

ECY Sewer Plan Grant – Varela is working on drafting a contract for the project. I had hoped to have it for July, but it looks like it will be August.

PUBLIC WORKS
WATER DEPARTMENT

Water Improvement Project Update - We held the final punchlist meeting for the water project. Smith Excavation did an excellent job. They are giving me an estimate to install the Winter Barn foundation. Ben, Kerri and I will be working on closing out the project.

June		2021 WATER PRODUCTION							
	2018	2019	2020	2021		2018	2019	2020	2021
Jan	1,797,800	2,121,438	2,036,291	2,277,596	Jul	17,454,000	18,968,280	16,601,532	
Feb	1,552,000	2,056,813	1,946,743	2,057,440	Aug	14,152,900	16,600,547	16,750,284	
Mar	1,778,900	2,260,796	2,373,833	2,133,860	Sep	10,192,700	8,729,598	12,227,228	
Apr	2,963,400	4,503,629	6,608,729	6,062,448	Oct	6,663,600	4,690,568	5,526,800	
May	9,611,300	12,892,999	10,446,235	11,714,756	Nov	2,076,600	2,178,552	1,961,332	
Jun	13,457,700	16,082,186	13,249,332	15,794,652	Dec	1,867,529	1,918,369	1,943,276	
Year to Date Total Gallons	2018	2019	2020	2021		<i>Pump Station #3</i>		<i>11,598,096</i>	
	31,161,100	39,917,861	36,661,163	40,040,752		<i>Pump Station #4</i>		<i>4,196,556</i>	
Water Quality Testing									
Coliform Test	<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>								
6/11/2021	1 Samples			Coliform absent					
Chlorine Monitoring	<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>								
6/1-6/30/2021	<i>Month Median of 0.26</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>				
Manganese Testing	<i>Historic Highs from old wells 0.2-0.7 & DOH SMCL 0.05</i>								
Testing since 3/2019	Date	Most Current		Average	High	Low	Median		
Pump Station #3	06/11/21	0.0001		0.00123	0.01207	0.00010	0.00017		
Pump Station #4	06/11/21	0.10250		0.08229	0.21760	0.00037	0.09628		

- 2021 water production numbers are within normal range to previous years. Chlorine has been maintaining at our target levels. I am working with the Control Freak to reconfigure our pumping process to help us reduce the amount of manganese we put into the system. We will continue to use both pumps, but reduce the percentage of Pump Station #4 to help dilute the higher manganese found in that well.
- I have volunteered our water system for PFAS testing. There is a new rule that will require us to test, and this would satisfy that initial testing requirement. PFAS is the compounds associated with fire foam used at military bases, fire training and airports.



STREETS DEPARTMENT

We have had positive response from the new pedestrian crossing signs. Residents have reportedly noticed people slowing down for the crossing signs. They are moveable, so can be moved for parade or other events. They were purchased with Safety Grant money from AWC/RMSA.

SEWER DEPARTMENT

- We met with Control Freak and reviewed the existing system. They are working on the new sewer SCADA system.
- We borrowed Steve Varrellman's truck to finish hauling bio-solids to Mansfield.

City of Pateros Sewer Department							
Permitee: Pateros POTW		Permit #: WA002055		Operator: Mike Lambert			
2021 Wastewater Processed in Gallons							
	2019	2020	2021		2019	2020	2021
January	1,267,300	1,458,000	1,549,650	July	1,580,000	1,663,000	
February	1,136,000	1,342,700	1,444,200	August	1,415,100	1,494,200	
March	1,284,500	1,299,500	1,202,300	September	1,496,300	1,457,100	
April	1,741,500	1,239,700	1,272,000	October	1,611,290	1,419,900	
May	1,427,400	1,489,000	1,611,900	November	1,442,200	1,311,700	
June	1,448,900	1,488,700	1,771,300	December	1,433,100	1,227,900	
Year To Date Totals Gallons Processed		2019	2020	2021			
		8,305,600	8,317,600	8,851,350			
Wastewater Effluent Monitoring							
Total BOD 5-day		Organic Loading Rates (Permit Range $\geq 85\%$)					
Weekly Test		4 - Tests		99% removal			
TSS		Total Suspended Solids, non organics (Permit Range $\geq 85\%$)					
Weekly Test		4-tests		97.25% removal			
pH		(Daily min/max permit range equal/between pH 6 and pH 9)					
Weekly minimum		Mon-Fri		6.8			
Weekly Maximum		Mon-Fri		7.4			
Fecal Coliform Bacteria		(Permit Range Weekly ≤ 100 ; Monthly ≤ 200)					
Monthly geometric mean		4-tests		3.6			
Dissolved Oxygen		Daily – Report Only					
Daily Test		Mon-Fri		6.4 Maximum			
Temperature		Daily – Report Only					
Daily Test		Mon-Fri		20.5 Degrees C Average			
Ammonia		Monthly – Report Only					
6/29/2021		1 sample		0.7			

June Notes: The dump truck broke down during the biohaul project. It looks like Steve Varrelman is going to let us borrow his truck to finish the project. We will have to send the truck off for repairs.

PARKS & RECREATION

- 🌳 Overnight stays are up over double. Day use of the parks is up.
- 🌳 I met with electricians for the small gazebos. I expect them to be finished soon.
- 🌳 We ran out of weed spray in June, and there is none to be purchased. Apparently, there is a national shortage.
- 🌳 The crews are prepping for APJ. Ryan and David have scraped and painted the kitchen gazebo. Doug repaired the water. Camping at MBL is expected to start a day early by jet skiers for APJ.

- USDA APHIS is putting up a hornet trap to monitor for Giant Asian Hornets. The trap will be in the pine trees at Methow Boat Launch. To date, none have been found in Washington outside of Blane.

	Parks RV/Camping/Parking Fees Memorial & Ives Landing					Ives Landing Dump Station (Sewer Dept)				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
JAN	\$ -	\$ -			\$ 105.00	\$ -	\$ -			
FEB	\$ -	\$ 25.00			\$ 245.00	\$ -	\$ 10.00			
MAR	\$ -	\$ -			\$ 110.00	\$ -	\$ -			
APR	\$ 97.00	\$ 25.00	\$ 160.00		\$ 580.00	\$ 48.16	\$ 40.00	\$ 21.00	\$ 113.00	
MAY	\$ 136.50	\$ 332.00	\$ 85.00		\$ 775.00	\$ 95.85	\$ 85.00			\$ 186.00
JUN	\$ 423.00	\$1,227.85	\$ 35.00	\$1,855.00	\$2,635.00	\$ 228.00	\$ 240.00	\$ 230.75	\$ 268.00	\$ 519.41
JUL	\$ 279.00	\$2,866.88	\$1,200.00	\$3,318.00		\$ 276.00	\$ 285.00	\$ 280.92	\$ 224.00	
AUG	\$1,195.24	\$3,676.00	\$ 740.25	\$1,994.00		\$ 305.00	\$ 112.00	\$ 155.00	\$ 341.75	
SEP	\$ 410.35	\$ 814.00	\$1,739.00	\$1,125.00		\$ 97.00	\$ 143.00	\$ 236.06	\$ 126.25	
OCT	\$ 153.00	\$ 460.00	\$ 120.00	\$ 305.00		\$ 145.50	\$ 164.00	\$ 116.00	\$ 201.35	
NOV	\$ 6.00	\$ 37.00	\$ 145.00	\$ 2.00		\$ 104.75	\$ 53.00	\$ -	\$ -	
DEC	\$ -	\$ -	\$ -			\$ -	\$ 83.00	\$ -		
Total	\$2,700.09	\$9,463.73	\$4,224.25	\$8,599.00	\$4,450.00	\$1,300.26	\$1,215.00	\$1,039.73	\$1,274.35	\$ 705.41
4 Mo.	\$ 656.50	\$1,609.85	\$ 280.00	\$1,855.00	\$4,450.00	\$ 372.01	\$ 375.00	\$ 251.75	\$ 381.00	\$ 705.41