

City of Pateros, Public Works & Parks

August 2020 –Report to City Council

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



Public Works Team
Mike Lambert – Wastewater
Doug Kirk – Water
Ryan Sisler – Parks
David Hunter – Streets

PUBLIC WORKS

The big news in Public Works is the approval of additional water connections. **Pateros has water to sell!** The City has been unable to sell additional water connections since late last year, as we had sold the maximum amount of DOH approved connections. The downtown pump station was officially completed and added to our infrastructure inventory by DOH this summer. I had Varela complete a new Capacity Analysis report and submit it to DOH for modification of our allowable connections. DOH approved us to sell an additional 72 connections or equivalent residential units (ERUs). For example, a large packing facility like Apple House might be the equivalent of 20 ERUs.

Summer continues to be busy for the crew. Maintaining the parks, as is typical for this time of year, consume much of their time. The crew has been working on removing the junipers along US-97. This has turned into a little bit bigger project than anticipated. Kerri and I continue to watch the budget closely. We have had several unexpected expenses, especially in Parks. Early this season was the vandalism to the lights under the bridge which required replacement of the bollard lights and purchase of cameras (we got a \$5,000 grant to help with this cost.); there was a major repair required at Ives Landing for the shower, a pump repair at Peninsula Park, and the removal of the junipers. We have also had ongoing repairs with the new toilets at the Memorial restrooms, which I have asked PUD to assist us with.

ADMINISTRATIVE

- Met with Scott Lewis with Apollo Solutions. He is putting together a solar grant to offset City utility costs. The project would be a solar array on the new reservoir.
- PBLTRO received a \$5,000 grant for COVID-19 relief. \$1,000 has been earmarked for education/technology assistance and \$2,000 for food/essential assistance. The group will be working with schools and the County Health Department in distributing funds in the Pateros/Brewster area.
- The RMSA Operating Committee met. A recommendation was made to change membership policies to include added policy and training requirements to Cities regarding online and financial risks. I expect computer training to be required for both employees and elected officials. The City of Pateros is already complying with most of these recommendations that if not implemented would impose a \$1,000 deductible on a claim. Overall RMSA operating costs jumped 8% because of re-insurance costs above what the pool insures. The operating committee recommended only a 4% increase for

2021. I expect our rates to jump next year, as we have added over \$2,000,000 worth of infrastructure with pump station 3 & 4 to the insured schedule.

STREET DEPARTMENT

- **TIB** – The 2021 grant application has been submitted. TIB typically notifies of award the first week of November. The application this year is for a chip seal of Warren east of Dawson Street.

WATER DEPARTMENT

The downtown pumpstation has been off line for over half of the month. POW is working with the electricians and PUD on repairs to the electronics. Consumption is down compared to the last two years. Our chlorine levels are just a little bit higher, as we try and maintain the DOH minimum requirement.

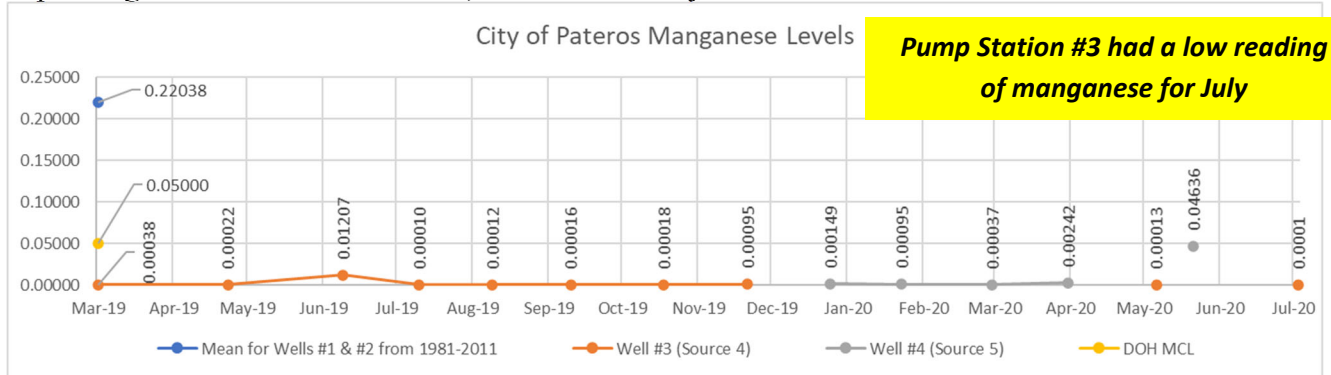
A fire hydrant was hit on Industrial Way. The hydrant was scheduled for replacement in the upcoming project. Water was shut down from about 10am until 3pm while staff made repairs. One resident's booster pump was damaged during the shutdown.

2020 WATER PRODUCTION							
	2018	2019	2020		2018	2019	2020
Jan	1,797,800	2,121,438	2,036,291	Jul	17,454,000	18,968,280	16,601,532
Feb	1,552,000	2,056,813	1,946,743	Aug	14,152,900	16,600,547	
Mar	1,778,900	2,260,796	2,373,833	Sep	10,192,700	8,729,598	
Apr	2,963,400	4,503,629	6,608,729	Oct	6,663,600	4,690,568	
May	9,611,300	12,892,999	10,446,235	Nov	2,076,600	2,178,552	
Jun	13,457,700	16,082,186	13,249,332	Dec	1,867,529	1,918,369	
Year to Date Total Gallons	2018 48,615,100	2019 58,886,141	2020 53,262,695	Pump Station #3		9,845,848 gallons	
				Pump Station #4		6,755,684 gallons	
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>					
7/23/2020		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>					
7/1/2020-7/31/2020	Month AVG of 0.47	Daily samples Mon-Fri	Min Chlorine Levels is 0.20 at furthest point in system. Target levels 0.3 - 1.50 (4.0 State MCL)				

Water Project

It appears we got easements and funding issues resolved and are waiting on concurrence from Rural Development. I expect that very soon. At that time, we can begin working on the contract

with Smith Excavation. I would expect construction to begin in late September or October and depending on lead time of materials, construction may run into 2021.



PARKS

- 🗑️ Ives Landing has been busy. Reservations and high use bring challenges. Staff are continually assessing our processes and attempting to make it more efficient and friendly to the camper. We receive a lot of very positive comments about our park and staff. We have had some hiccups in overbooking, due to people not reading the instructions.
- 🗑️ Trash levels continue to remain high. Zippy’s is making two pickups a week right now at Public Works. The additional trash receptacles on the Mall have provided significant relief.
- 🗑️ I checked in on our tables and chairs for the Mall. The tables are traveling through the Panama Canal and should reach Los Angeles this week, and the chairs are expected to arrive in a port in New Jersey this week. They will be calling as soon as they are transferred to trucking.

City of Pateros Park & Sewer Fees								
	Parks RV/Camping/Parking Fees Memorial & Ives Landing				Ives Landing Dump Station (Sewer Dept)			
	2017	2018	2019	2020	2017	2018	2019	2020
JAN	\$ -	\$ -			\$ -	\$ -		
FEB	\$ -	\$ 25.00			\$ -	\$ 10.00		
MAR	\$ -	\$ -			\$ -	\$ -		
APR	\$ 97.00	\$ 25.00	\$ 160.00		\$ 48.16	\$ 40.00	\$ 21.00	\$ 113.00
MAY	\$ 136.50	\$ 332.00	\$ 85.00		\$ 95.85	\$ 85.00		
JUN	\$ 423.00	\$1,227.85	\$ 35.00	\$1,855.00	\$ 228.00	\$ 240.00	\$ 230.75	\$ 268.00
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		\$ 305.00	\$ 112.00	\$ 155.00	
SEP	\$ 410.35	\$ 814.00	\$1,739.00		\$ 97.00	\$ 143.00	\$ 236.06	
OCT	\$ 153.00	\$ 460.00	\$ 120.00		\$ 145.50	\$ 164.00	\$ 116.00	
NOV	\$ 6.00	\$ 37.00	\$ 145.00		\$ 104.75	\$ 53.00	\$ -	
DEC	\$ -	\$ -	\$ -		\$ -	\$ 83.00	\$ -	
Total	\$2,700.09	\$9,463.73	\$4,224.25	\$5,173.00	\$1,300.26	\$1,215.00	\$1,039.73	\$ 605.00
6 Mo.	\$ 935.50	\$4,476.73	\$1,480.00	\$5,173.00	\$ 648.01	\$ 660.00	\$ 532.67	\$ 605.00

SEWER DEPARTMENT

We have had some difficulty in the last couple of weeks, as a phone line stopped working and the pump alarm was not able to notify us of pump failures. When flows stop and slug-loads follow it causes significant disruption to waste processing. We are still meeting our permit, but it is not at our normal levels.

City of Pateros Sewer Department					
Permitee: Pateros POTW	Permit #: WA0020559	Operator: Mike Lambert			
2020 Wastewater Processed in Gallons					
	2019	2020		2019	2020
January	1,267,300	1,458,000	July	1,580,000	1,663,000
February	1,136,000	1,342,700	August	1,415,100	
March	1,284,500	1,299,500	September	1,496,300	
April	1,741,500	1,239,700	October	1,611,290	
May	1,427,400	1,489,000	November	1,442,200	
June	1,448,900	1,488,700	December	1,433,100	
Year To Date Totals		2019	2020		% in Change
Gallons Processed		9,885,600	9,980,600		1.0%
Wastewater Effluent Monitoring					
Total BOD 5-day	<i>Organic Loading Rates (Permit Range \geq 85%)</i>				
Weekly Test	4 - Tests	98.8% removal			
TSS	<i>Total Suspended Solids, non organics (Permit Range \geq 85%)</i>				
Weekly Test	4-tests	96.4% removal			
pH	<i>(Daily min/max permit range equal/between pH6 and pH9)</i>				
Weekly minimum	Mon-Fri	7			
Weekly Maximum	Mon-Fri	7.9			
Fecal Coliform Bacteria	<i>(Permit Range Weekly \leq 100; Monthly \leq 200)</i>				
Weekly geometric mean	5-tests	70			
Monthly geometric mean	5-Tests	1			
Dissolved Oxygen	<i>Daily – Report Only</i>				
Daily Test	Mon-Fri	6 Maximum			
Temperature	<i>Daily – Report Only</i>				
Daily Test	Mon-Fri	23 Degrees C Average			
Ammonia	<i>Monthly – Report Only</i>				
7/30/2020	1 sample	0.3			

July Notes:
We are meeting our DOH requirements. There have been two incidents where the phone lines have been dead and the plant has been unable to get an alarm out to staff. We will be working to mitigate this issue.