

# City of Pateros, Public Works & Parks

## September 2023 –Report to City Council

By City Administrator/  
Public Works Supervisor  
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Public Works Team  
Mike Lambert – Wastewater  
David Hunter – Water/Streets  
Ryan Sisler – Parks  
Roman Nehls – PW/Parks

## ADMINISTRATIVE



*City Hall Landscape Goals: (1) Get irrigation away from building and windows, making an area for a couple picnic tables; (2) provide filtered shade to reduce glare and heat from southern sun on City Hall and shade to spectators of the hydro/jet ski races; (3) Provide equipment access road to trail and park with; (4) grade and plant lawn areas for bleacher placement during hydro and jet ski races; (5) create a green buffer along City Hall/motel property line; and (6) reduce maintenance – plant tough trees, suitable for difficult soils and use rock mulch for landscape areas. Project tree selection included Kentucky Coffee tree, Halka and Skyline honey locust, and Chinkapin Oak, all native to the U.S.*

We have been trying to wrap up loose ends and close out summer projects. We made incremental progress understanding manganese levels in our downtown well this last month but were setback on the solar project. Council member Harding and I met with Scott Lewis, our engineer, and the solar project installation contractor to investigate how to move the solar array to the treatment plant. They will be getting back to us regarding cost and project budget before we move forward. Progress has been made on the electrical charging stations, and the project (depending on Okanogan PUD's schedule) is projected to be completed by the middle of November.

### GRANTS, PLANNING, ECONOMIC DEVELOPMENT & PROJECTS

**Water System Improvement (Final Tasks)** – 10/11 met with engineer and water consultant. The testing on the downtown pump station has been completed, and they will be writing a report on the analysis of that work.

**Downtown ADA improvements & Commercial Ave Upgrades** – (\$569,000; 100% grant) We plan to put the project out to bid early 2024.

**General Sewer and Wastewater Facilities Plan (GSWFP)** – (\$200,000; 50% grant) Final draft completed. Sent to ECY 2/6/2023 for comment and approval. Water/Sewer Committee to meet in November to discuss next steps.

**Solar Project** – (\$228,000; 99% grant) I am working with our engineers on a solution to move the solar array to the wastewater treatment plant. There has been a change in the state law since the beginning of the project, that prohibits the aggregation of the reservoir and treatment plant electric meters. The solar panels will need to be moved to the treatment plant to benefit the electric meter with the highest use. I met with the installation contractor and engineer to review our options.

**Charging Stations** – (Estimated at \$500,000 of grant funding to EVCS – no City funds) Project is proceeding. The concrete pads have been poured and the electrical team will be here the week of the 23<sup>rd</sup>. Completion projected to be 11/9/2023

**Pateros Mall Renovation Planning Study** – (\$101,625; 100% grant) We received a good number of responses in our market survey. We have sent out business surveys to local businesses, but have received a poor response. We do have some data from businesses when they participated during the popup market survey which we will be referencing. The consultants are wrapping up the final contacts of the survey phase of the project.

**LTAC** – I presented to the LTAC committee on September 22<sup>nd</sup> in Okanogan. I am not very optimistic regarding our chances of receiving funding, as I don't think our "ask" lined up very well with their mission. Their purpose of the LTAC funds is to benefit non-incorporated areas of the County, this piece of information was left out of the application process. This is our first year applying, and I think we can develop a compelling application next year. Pateros is the Gateway to the Okanogan and our visitor center is a first stop for many traveling into the County.

**ECY Stormwater Plan** – (\$109,000; 85% grant) I have been working with ECY on a draft agreement. We will be declining the loan amount of \$5,431, as the loan paperwork is excessive for such a small amount and budgeting the expense. (ECY is an exceptionally slow process)

**DNR Tree Grant** – (\$29,656; 50% grant) The tree stock came from Garden Gate Nursery in Pasco, where they are container grown. The stock is outstanding. The holes were brutal to dig. We received a lot of compliments from residents on the tree planting project.

**Highway 97 Pedestrian Crossing & Pathway** – (\$99,219; 100% grant) Received award letter – next steps is to obligate the money through DOT so we can begin incurring costs. Waiting on DOT to send out a draft agreement.

**PWB Water System Plan** – (\$50,000 loan; \$50,000 grant) Public Works Board has approved a conditional award and is beginning to work on draft contracts.

## PUBLIC WORKS

### SEPTEMBER – OCTOBER ACTIVITIES

- ✓ Electrician worked on lift station, and construction of access road to park/trail.
- ✓ Warren Ave tree planting and irrigation installation
- ✓ City Hall tree planting project included rock mulch, picnic patio, grass seeding
- ✓ Hauled rock mulch for charging station installation and mulch for tree project

### OCTOBER – NOVEMBER ACTIVITIES

- Irrigation blowouts
- Restroom closures
- Finish up irrigation on Warren Avenue tree planting project.
- Contract tree pruning at Peninsula Park
- Insulate meters & drain hydrants
- Winterize equipment
- Prep for snow - equipment, streets, mall
- Pull swim dock and MBL dock.

## PARKS & RECREATION

- ✿ Met with Park Committee about horseshoe pits. We are at a point where they need repaired or retired. The pits were built for APJ tournaments in the late 80s and 90s. For the last 10-years, they have almost no use. They require significant man hours to mow and weed. The Park Committee recommends retiring them.
  
- ✿ The big willow at Peninsula Park is scheduled to be removed this fall, along with other contract tree pruning. Willow is a fast-growing species with a relatively short lifespan. In the last ten years we have maintenance pruned this tree to try and extend its life, but the winter of 2022-23 severely damaged the tree. This tree was probably planted in the late 60s or early 70s when the park was developed. It will be a loss especially for the shade it provided on the beach in the summer. We have other trees growing to take its place. We are carefully monitoring the big birch, as they have birch borer in the tops and the health of the two trees are declining.

### STREET DEPARTMENT

- Hauled rock mulch and provided fabric for the EVCS contractor to install at charging stations. Split the cost on the project, they provided the labor, we provided the materials.
  
- Warren Avenue Safety Project completed with the planting of the trees. Council approved the initial TIB Grant Application August 5, 2019

Parks RV/Camping/Parking Fees Memorial & Ives Landing					
	2019	2020	2021	2022	2023
JAN	\$ -	\$ -	\$ 105.00	\$ -	\$ 280.00
FEB	\$ -	\$ -	\$ 245.00	\$ -	\$ -
MAR	\$ -	\$ -	\$ 110.00	\$ 105.00	\$ 185.00
APR	\$ 160.00	\$ -	\$ 580.00	\$ 1,500.00	\$ 640.00
MAY	\$ 85.00	\$ -	\$ 775.00	\$ 1,260.00	\$ 2,580.00
JUN	\$ 35.00	\$1,855.00	\$2,635.00	\$ 2,990.00	\$ 565.00
JUL	\$1,200.00	\$3,318.00	\$1,794.25	\$ 2,590.00	\$ 2,267.00
AUG	\$ 740.25	\$1,994.00	\$1,105.00	\$ 1,295.00	\$ 1,605.00
SEP	\$1,739.00	\$1,125.00	\$1,437.10	\$ 340.02	\$ 300.00
OCT	\$ 120.00	\$ 305.00	\$ 135.00	\$ 983.40	
NOV	\$ 145.00	\$ 2.00	\$ 35.00	\$ -	
DEC	\$ -	\$ -	\$ -	\$ -	
<b>Total</b>	<b>\$1,480.00</b>	<b>\$8,599.00</b>	<b>\$8,956.35</b>	<b>\$ 11,063.42</b>	<b>\$ 8,422.00</b>
<b>YTD</b>	<b>\$3,959.25</b>	<b>\$8,292.00</b>	<b>\$8,786.35</b>	<b>\$ 10,080.02</b>	<b>\$ 8,422.00</b>
Ives Landing Dump Station (Sewer Dept)					
	2019	2020	2021	2022	2023
JAN	\$ -	\$ -	\$ -	\$ -	\$ -
FEB	\$ -	\$ -	\$ -	\$ -	\$ -
MAR	\$ -	\$ -	\$ -	\$ 24.00	\$ -
APR	\$ 21.00	\$ 113.00	\$ -	\$ 30.00	\$ 65.00
MAY	\$ -	\$ -	\$ 186.00	\$ 160.00	\$ 369.76
JUN	\$ 230.75	\$ 268.00	\$ 519.41	\$ 170.00	\$ 130.00
JUL	\$ 280.92	\$ 224.00	\$ 120.00	\$ 331.00	\$ 291.05
AUG	\$ 155.00	\$ 341.75	\$ 358.00	\$ 266.19	\$ 382.30
SEP	\$ 236.06	\$ 126.25	\$ 375.00	\$ 157.02	\$ 285.75
OCT	\$ 116.00	\$ 201.35	\$ 230.15	\$ 264.50	
NOV	\$ -	\$ -	\$ -	\$ -	
DEC	\$ -	\$ -	\$ -	\$ -	
<b>Total</b>	<b>\$1,039.73</b>	<b>\$1,274.35</b>	<b>\$1,788.56</b>	<b>\$ 1,402.71</b>	<b>\$ 1,523.86</b>
<b>YTD</b>	<b>\$ 923.73</b>	<b>\$1,073.00</b>	<b>\$1,558.41</b>	<b>\$ 1,138.21</b>	<b>\$ 1,523.86</b>





## WATER DEPARTMENT

Some good news regarding manganese in the well – it does not appear to be caused by bacteria or organic material. Bad news – we still do not know the cause for the increase in manganese levels. *(The well still meets all the Department of Health guidelines and is permitted to use. We are not using it to reduce manganese buildup in the lines.)* Several hypotheses were floated, and more data is needed. The consultants are going to recommend a regimen of monthly testing for the following year to see if there are seasonal fluctuations in manganese levels. It may be possible that there are seasons when manganese levels are at low enough levels to bring it online.

September		2023 WATER PRODUCTION									
	2019	2020	2021	2022	2023		2019	2020	2021	2022	2023
Jan	2,121,438	2,036,291	2,277,596	2,673,280	<b>2,237,792</b>	Jul	18,968,280	16,601,532	19,584,242	16,350,504	<b>16,571,360</b>
Feb	2,056,813	1,946,743	2,057,440	1,974,640	<b>1,861,216</b>	Aug	16,600,547	16,750,284	15,522,640	17,786,352	<b>14,587,808</b>
Mar	2,260,796	2,373,833	2,133,860	2,375,360	<b>1,921,528</b>	Sep	8,729,598	<b>12,227,228</b>	<b>11,318,457</b>	<b>12,013,456</b>	<b>10,895,804</b>
Apr	4,503,629	6,608,729	6,062,448	4,126,768	<b>3,672,672</b>	Oct	4,690,568	5,526,800	6,718,040	7,273,894	
May	12,892,999	10,446,235	11,714,756	7,790,780	<b>10,819,856</b>	Nov	2,178,552	1,961,332	2,909,658	2,226,752	
Jun	16,082,186	13,249,332	15,794,652	11,013,668	<b>13,618,248</b>	Dec	1,918,369	1,943,276	2,196,784	2,148,352	
Year to Date Total Gallons	84,216,286	82,240,207	86,466,091	76,104,808	76,186,284	Pump Station #3			<b>10,893,700</b>		
						Pump Station #4			<b>2,104</b>		

## SEWER DEPARTMENT

- Scheduling the electrician to finish the lift station project is an ongoing challenge. We have all the equipment ready for final installation.
- We have changed our testing lab to Anatek. Since Cascade changed to Eurofins, they have been difficult to work with. Anatek had been the subcontractor for our drinking water for the last year. Mike is still working on final tests to get approval to haul biosolids.

SEPTEMBER		City of Pateros Sewer Department							
Permitee: Pateros POTW				Permit #: WA0020559		Operator: Mike Lambert			
2022 Wastewater Processed in Gallons									
	2020	2021	2022	2023		2020	2021	2022	2023
January	1,458,000	1,549,650	1,619,500	1,543,600	July	1,663,000	1,769,300	1,790,100	1,763,200
February	1,342,700	1,444,200	1,368,700	1,142,600	August	1,494,200	1,674,400	1,621,600	1,572,900
March	1,299,500	1,202,300	1,525,200	1,202,800	September	1,457,100	1,498,100	1,327,400	1,531,500
April	1,239,700	1,272,000	1,426,800	1,064,200	October	1,419,900	1,478,900	1,536,700	
May	1,489,000	1,611,900	1,901,400	1,340,600	November	1,311,700	1,397,500	1,468,200	
June	1,488,700	1,771,300	1,697,400	1,536,700	December	1,227,900	1,627,900	1,493,600	
Year To Date Totals Gallons Processed		12,931,900	13,793,150	14,278,100	2023				12,698,100
Wastewater Effluent Monitoring									
REQUIRED WEEKLY TESTS		RESULTS (AVG MONTHLY)				PERMIT RANGE			
Fecal Coliform Bacteria		7				Permit Range Weekly ≤ 100; Monthly ≤ 201			
REMOVAL Total Suspended Solids (TSS)		92.4%				TSS, Non Organics - Permit Range ≥ 85%			
Total Biological Oxygen Demand (BOD)		98.4%				Organic Loading Rate - Permit Range ≥ 85%			