

City of Pateros, Public Works & Parks Report

City Council Report

December 13, 2018

By City Administrator

Jord L. Wilson, MLA



Public Works Team

Mike Lambert – Wastewater

Justin Carrington – Parks

Doug Kirk – Water

Public Works

Every season has its hurry-up, must-do projects. Winter always seems more critical, as the consequences of not completing winterization can be costly. Winterization tasks include draining leaky fire hydrants, insulating meters that have a history of freezing, stabilizing small engines, checking on heat-tape and heat lamps for the first cold snap, getting ready the plow fleet, which includes putting plows on, lubricating moving parts, changing cutting blades, replacing dead batteries, testing lights, tuning up the sand spreaders, and more. Then the first snow hits and the first cold snap. We have yearly task lists that help us get through the process, but each year we adjust the list due to new equipment, new facilities, or lessons learned from the previous year.

Administrative & Economic Development

Risk Management

We were recognized by RMSA for our work on minimizing exposures and reducing claim costs to the city and to the pool as a whole.

Pederson Road

K. Erlandsen, Westco, and Pateros Trailer Courts continue to work out the details on the purchase and sale agreement which will allow the planned development to be complete. We are shooting for a February completion of the Planned Development, and are on schedule to make that happen.

Housing

Jord and Carlene have been meeting with Nancy Nash with HUD and stakeholders on housing solutions.

Economic Development

- The City completed two economic development applications for the EDDs ranking process, The Mall Rehabilitation Project, and the Starr Road Business Development Project.
- We are following the developments of the Economic Opportunity Zones with Roni Holder and the Economic Alliance. We are also pushing this information out to potential investors. Please contact Carlene or myself if you know of potential investors in Pateros that would like a tax break.

Emergency Management

I attended the LEPC meeting, or all hazards bi-annual meeting with the Okanogan County Emergency Management. County stakeholders are present at these meetings, sharing resources, connections, grants, policy's, successes, failures, and more. Maurice may be asking more of Pateros in the coming

months, as the County is preparing to kick off its All Hazards Mitigation Planning update. SEE ATTACHED OKEMD information sheet and please OPT-IN.

Asset Management

Completed our scheduled tasks related to water data collection for 2018. We have moved on to sewer data collection. Training with Aktivov was scheduled for 12/18, but will have to be postponed, due to the water system project. We were able to geo-locate hydrants, water meters, and water valves as part of the water project. This was done as an emergency plan, incase we have snow during the change-over, and need access to numerous meters or valves.

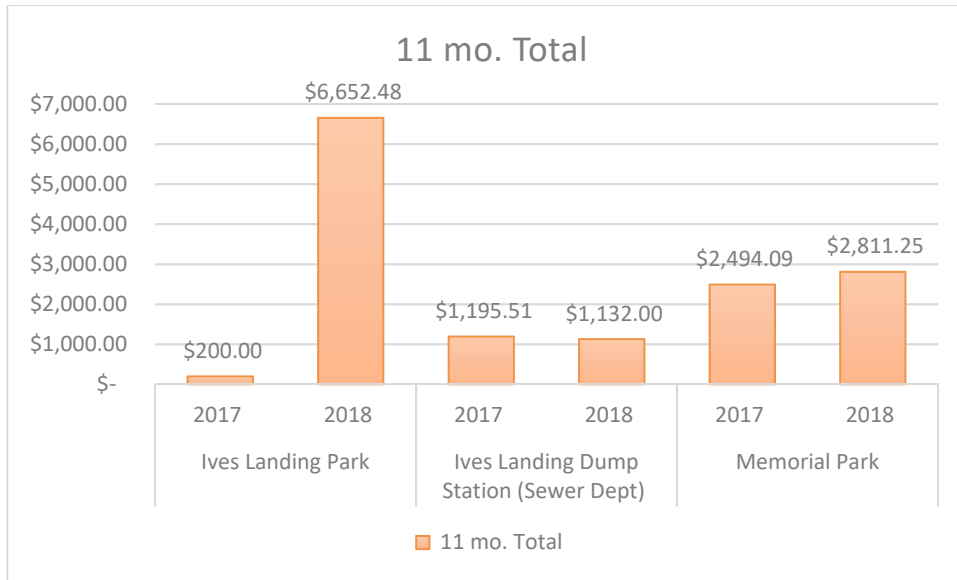
Streets & Equipment

- We had our first plow on 12/10. It was not a full plow, but the crew came in an hour early and focused on hills, intersections, and sidewalks. Public works is installing a weather station to monitor temperature and snowfall remotely. This will allow for better monitoring of conditions during the late hours of the evening and early hours of the morning. SEE ATTACHED MRSC article: *Dealing with Snow and Ice on Streets and Sidewalks*

Parks and Community Activities

- 🗑️ Memorial Park Restroom is scheduled to be complete 12/27.
- 🗑️ With the good weather, KRCI was able to pour the concrete sidewalk in front of the new Peninsula Park restroom. We have had the locks updated to match our City master. Final cleanup should be complete by the end of the year.
- 🗑️ Crew got the holiday lights and banners up by Thanksgiving, and prepped for Christmas in the City, which was a big success.

City of Pateros Park & Sewer Fees						
	Ives Landing Park		Ives Landing Dump Station (Sewer Dept)		Memorial Park	
	2017	2018	2017	2018	2017	2018
January						
February				\$ 10.00		\$ 25.00
March						
April			\$ 48.16	\$ 40.00	\$ 97.00	\$ 25.00
May		\$ 175.00	\$ 95.85	\$ 85.00	\$ 136.50	\$ 157.00
June		\$ 894.10	\$ 228.00	\$ 240.00	\$ 423.00	\$ 333.75
July		\$ 2,296.38	\$ 276.00	\$ 285.00	\$ 279.00	\$ 570.50
August		\$ 2,400.00	\$ 305.00	\$ 112.00	\$ 1,195.24	\$ 1,276.00
September	\$ 200.00	\$ 600.00	\$ 97.00	\$ 143.00	\$ 210.35	\$ 214.00
October		\$ 280.00	\$ 145.50	\$ 164.00	\$ 153.00	\$ 180.00
November		\$ 7.00	\$ 104.75	\$ 53.00	\$ 6.00	\$ 30.00
December						
Total	\$ 200.00	\$ 6,652.48	\$ 1,300.26	\$ 1,132.00	\$ 2,500.09	\$ 2,811.25
11 mo. Total	\$ 200.00	\$ 6,652.48	\$ 1,195.51	\$ 1,132.00	\$ 2,494.09	\$ 2,811.25



Peninsula Park Restroom



Pump Station #3 Backup Generator Training

City of Pateros Water Department

System ID	66450 C	Total Service Connections	273
Distribution Capacity	298,000 gallons	Wells	2

2018 Water Produced in Gallons			
January	1,797,800	July	17,454,000
February	1,552,000	August	14,152,900
March	1,778,900	September	10,192,700
April	2,963,400	October	6,663,600
May	9,611,300	November	2,076,600
June	13,457,700	December	

The City has produced 82 million gallons of water in 2018
 +11% increase in same period in 2017, 73.6 million 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>	
11/26/2018	2 samples tested	Coliform absent
Chlorine Monitoring	<i>A target residual of 0.3-0.5 (min. 0.2) used to control microbes</i>	
11/1/2018 – 11/30/2018	Daily samples Mon-Fri	Chlorine residual present
Service		
New Connections	1 – Bill Shaw Road	

Pateros Water System

- The crew completed insulating meters and draining hydrants in preparation for winter.

Water System Improvements

- Big plans of retiring the old system did not happen on 12/11/2018. Crews onsite were the pump techs, control techs, electricians, chlorine tech, generator tech, general contractor, electrical and civil engineer, and City Crew (and newspaper). The crews ironed out a lot of kinks in the system, and were able to do partial testing and purging of the new pump station and well. However, we were missing a final sanitary test on the new pump. We had tested the well, the reservoir, and the pipes, but forgot to retest the well after dropping the pump in the new well. The test came back clean after 24 hours, but we the soonest we could reassemble all those crews back on site is 12/18.
- We have been coordinating water system alerts through Okanogan County Emergency Management. This has worked really well, as OK EMD is able to push out a brief message using addresses within City limits and also notifications directed at those that have opt-d into the OK EMD Alert System. The alert is linked to the City webpage, which we have tried to keep current and relevant.
- The crew was trained on operation and maintenance of the new chlorinator and new backup generator for pump station #3.
- General Industries is working on meter and irrigation changes due to the water change over. The projects are at Independence and Warren, Dawson and Warren, Dawson and US97, and Dawson and Otto.
- I have attached the proposed siding style and color for Pump Station #4. The roof will be dark brown and proposed siding is corrugated Designer Panel, Ash Gray.

City of Pateros Sewer Department

Permitee: Pateros POTW

Permit #: WA0020559 **Operator:** Mike Lambert

2018 Wastewater Processed in Gallons			
January	1,390,000	July	1,763,500
February	1,615,500	August	1,499,300
March	1,451,500	September	1,505,000
April	1,566,000	October	1,545,500
May	1,496,800	November	1,179,200
June	1,596,800	December	

The City has processed 16.6 million gallons of wastewater in 2018

Wastewater Effluent Monitoring		
Total BOD 5-day	<i>Organic Loading Rates (Permit Range ≥ 85%)</i>	
Weekly Test	5 - Tests	99% removal
TSS	<i>Total Suspended Solids, non organics (Permit Range ≥ 85%)</i>	
Weekly Test	5-tests	95.6% removal
pH	<i>(Daily min/max permit range equal/between pH6 and pH9)</i>	
Weekly minimum	Mon-Fri	7.4
Weekly Maximum	Mon-Fri	7.9
Fecal Coliform Bacteria	<i>(Permit Range Weekly ≤ 100; Monthly ≤ 200)</i>	
Weekly geometric mean	5-tests	9.3
Monthly geometric mean	5-Tests	9.3
Dissolved Oxygen	<i>Daily – Report Only</i>	
Daily Test	Mon-Fri	8.2 Maximum
Temperature	<i>Daily – Report Only</i>	
Daily Test	Mon-Fri	16.3 Degrees C Average
Ammonia	<i>Monthly – Report Only</i>	
11/26/2018	1 sample	0.07

Sewer Lab & Management

- General maintenance and operation tasks.
- Winterization
- Data gathering for asset management.