



Public Works

Monthly Report

Administration ♦ Airport ♦ Engineering ♦ Maintenance ♦ Parks & Open Space ♦ Wastewater

February 2020

Wastewater New Employee 2

Maintenance

Climate Recovery Effort: New Police and Parking Enforcement Vehicles



In an effort to further reduce our carbon footprint, the City of Eugene is adopting new vehicle types that focus on fossil fuel reduction.

City of Eugene Police have nine Ford Police Interceptor Utility Hybrid vehicles currently being processed into service by fleet and radio communications. These vehicles have the potential to save 1,276 gallons of fuel and about 25,560 pounds of CO₂ per vehicle per year.* When looking at all nine vehicles, that totals about 11,484 gallons of fuel and about 230,000 pounds of CO₂ saved for each year these vehicles are in operation.

City of Eugene parking enforcement has embraced new fully electric Chevy Bolt sedans. The vehicles are fit with automatic camera readers used in enforcement and patrol. These vehicles are fully electric, so use no gasoline. They currently hold enough charge to patrol for multiple days and are charged every third day. This is a huge reduction in CO₂ and a cost savings over the life of these vehicles for parking enforcement.

As technology continues to advance and more options become available, fleet and radio communications will continue to monitor the market place for options suitable for City operations.

*CO₂ Reduction and Fuel Savings based on Ford Motor Co. estimates; individual results may vary

Wastewater

Collection Pipe Repair

In the early 1980s, a 78-inch wastewater collection pipe was built to bring sewage from Springfield to the regional wastewater treatment facility. When the pipe crossed waterways, it split into three smaller pipes and dropped underneath the waterway to create a siphon. On the afternoon of February 26, a City employee was walking across the Delta Ponds pedestrian bridge and noticed a hole in the ground and heard rushing water. A 24-inch siphon pipe had collapsed on itself, carrying away the dirt above it. The likely cause of the pipe break was 40 years of exposure to hydrogen sulfide, a highly corrosive gas that is present in wastewater collection systems.



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Eugene's subsurface maintenance crew was called to make the initial assessment of the incident. They notified wastewater division staff and mobilized Eugene Sand & Gravel to assist with building access to the site and exposing the break. Fortunately, the break was only on the top portion of the pipe, so no sewage spilled. A temporary dam was constructed to help contain any spill that might occur during repair efforts and protect Delta Ponds. Wastewater division staff staged two large pumps and monitored them overnight to handle any flow stopped by the dam. A contractor from Salem used a cure-in-place liner to create a new pipe inside of the first that is now stronger and will last longer than the original. The broken pipe was repaired within 48 hours of being discovered.



Welcome New Electrician, Josh McElravy

Wastewater would like to introduce our new electrician, Josh McElravy. Josh has been a journeyman electrician for five years and was previously employed at Weyerhaeuser Trus Joist in Eugene. He has been married to his wife for 16 years, and they have three beautiful daughters that keep Josh busy coaching them in basketball and softball. When he is not helping with family duties, Josh loves hunting and spending time outdoors. Welcome aboard Josh!
