

2017 Water System Improvements and other Significant Activities

I. New Systems, Water Conservation Rebates and Sanitary Surveys

1. **Acquisition of New Water Systems.** In 2017, the PUD acquired 144 new water systems totaling 4,297 active connections. Adding more systems helps spread the fixed costs of the PUD over more connections providing a better economy of scale, and helps keep costs lower for all of our customers.
2. **Water Conservation:** 128 Garden Hose Timers were provided to customers in 2017.
3. **Sanitary Survey:** 14, Surveys were completed at Travis Jack, Skookumchuck, Smith Prairie, Horsfall, Ridgewood, Pederson Place, Lazy Acres, Pit, Tolmie, Lew's 81st, Prairie Ridge, Nisqually Highlands, Hawk Acres and Covington.

II. Projects/Extraordinary Maintenance

1. **Skookumchuck:** Completed the 4 Log Treatment and Service Meter project.
2. **N. Roy:** Permanent Chlorination was installed.
3. **Garden Acres 3:** Contamination to the well was found and fixed. System is no longer connected to neighboring system.
4. **Replacement Well at Fuller**
5. **Replacement Well at Fir Tree 2**
6. **Well Pump Replacements:** Hansford Muck 1 and 2, Fuller, Seed, Easterday, Elk Heights, Pederson Place, Giffords and Crowder.
7. **Booster Pump Replacements:** Helsep, Red Cloud 2, Eastridge W, Eastridge 3 and Sales.
8. **Treatment Upgrades and Treatment Maintenance:** Filter was added at DWS Little. Treatment was replaced at Tracy #2, Eastridge W, Maxvale. Treatment maintenance to improve system operation was completed at Eastridge 3, Eastridge 2 and Fir Tree 3.
9. **Electrical System Work:** Crowder and Elk Heights.
10. **Chlorine and Soda Ash Injection Pump Replacement:** Tanglewilde – both Taylor and Coker wells, Terry Lane, Mathias, Trinity Muck 3, Brown S. Prairie and Nisqually Highlands,
11. **Pressure Tanks Replaced:** Fir Tree 1, 3 and 7, Pit, Helsep, Eastridge 2, Enslow 1, Tisch, Clerget, Loma Vista, Pederson Place, Easterday, Brockway 2, Webster Hill, Mud Lake, Horne Creek 2, 304 & 92nd and Bald Hills.
12. **Pumphouse Repairs:** New roof at Travis Jack.
13. **Miscellaneous Maintenance:** Nisqually Highlands blow offs, Garden Acres pitless adaptor replacement, Indian Crest 1 new service line, Crescent Park sight glass on pressure tanks, sand traps were installed at 336 1 and 2 and easement access at Ridgewood.