

Septic Summary Report for 2022

Expenses for 2022:

Diagnose malfunctioning distribution valves in systems 5 and 6 and replace the high-level float switch in tank 2 (PumpTech):	\$233.06
Replace 4 aging disk/stem components in distribution valves*:	\$224.96
Replace inoperative heat trace in distribution valve box*:	\$36.85
Purchase 6 threaded couplings and 12' of clear 1.5" tubing for testing drain field lateral lines:	\$104.77
PUD (electricity for control boxers and pumps):	\$212.00
Keyhole Security Alarm Monitoring Annual Fee:	\$357.39
Ziplay Fiber (landline January '22 to November '22):	\$646.53
Replace landline with cellular alarm connector (Keyhole Security)**:	\$162.60
Dosing tanks and drainfield inspection (Think Tank):	\$1,500.00

* Installation provided by Aspen Shores Septic Committee

** Eliminating landline results in an annual savings (beginning January 2023) of \$673.68

Plans for 2023

Purchase 13 disk/stem components to replace aging components in drainfield distribution valves.	\$650.00
Component installation will be done by Aspen Shores Septic Committee	

Because of the age of the septic system (18 years as of 2022) we have decided to test drain field laterals in spring and fall to proactively identify and remedy any problems. Testing will be done by Aspen Shores volunteers. An added benefit of this is that it will eliminate the cost (\$1,200) of having Think Tank Solutions conduct the drainfield test.

Think Tank Solutions inspection services for 2023 will be:

Individual homeowner septic system inspections:	\$150.00
Inspection of 6 dosing tanks, pumps, floats, and control boxes:	\$900.00
Two days travel from Matawa, WA	\$500.00
Tax @ 8.4%	

Your annual septic assessment of \$95 per lot covers costs for dosing tank electricity, alarm monitoring, repairs, and inspection. Every lot owner pays \$225 toward the septic reserve fund to cover potential major expenses as the system ages. A lot owner with a septic tank pays \$150.00 for an annual inspection. Lot owners with septic tanks pay a total of \$470 for annual operations of our septic system. In contrast, Douglas County Sewer District 2023 annual fees are \$582.

Estimated Replacement Costs and Septic Reserve Fund

Transport pipes under Highway 28 and Quincy, dosing tanks (pumps, floats, electrical connections), control panels, drain fields (distribution valves, valve boxes, laterals, gravel, sand, fabric) - \$643,320 as of December 2022. In December 2021 the estimated replacement cost was \$535,962.

As of December 2022 we have \$140,264.28 in the septic reserve and emergency repair funds.