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Squaw Creek Water District
Operations Report November 2025

Water Usage
November 2025 average Gallons per Day: 12,100 gallons
November 2024 average Gallons per Day: 12,603 gallons
This number is likely lower than actual water usage due to the age of the totalizer. We recommend replacing the meter with a newer meter that can be tied into the SCADA system.

Work Completed in November:

11/3/25: **Checked infrastructure, pressures, tank levels, chlorine residual, and meters in pump house.**

11/4/25: Collected routine bacteria sample at 2175 E Pollard Hill. Results: TC negative, E.coli negative.

11/5/25: Purchased gasket material and padlock and installed on tank hatches. Hauled 2 loads of gravel to fill in around tank hatches. Replaced 4 x 1" meters. Replaced meters at lots #73, 13, 44, and 69. Checked on small leak at 6240 Squaw Creek.

11/7/25: Checked PRVs and placed insulation in vaults. Exercised valves in vaults.

11/11/25: **Checked infrastructure, pressures, tank levels, chlorine residual, and meters in pump house.** Recalibrated meters at 6350 Squaw, 6500 Juniper, 2300 LaBonte, and 1855 Porcupine. Installed meter lid touch pad housing at each.

11/17/25: **Checked infrastructure, pressures, tank levels, chlorine residual, and meters in pump house.**

11/18/25: Pumped water out of totalizer vault. Refilled chlorine barrel. Fixed broken wires on meters.

11/24/25: **Checked infrastructure, pressures, tank levels, chlorine residual, and meters in pump house.**

11/30/25: Weekend. Low voltage and low tank alarms. Remote monitoring and manually turning on and off boosters throughout day

Ongoing Projects:

The solar panel is not consistently keeping the batteries charged at the tank. We have set up an extension cord to a battery tender to keep them charged. The solar power at the tank site is inconsistent which is causing the relays on the communications to trip and the fuses to blow. Today, December 9, I replaced a fuse and it immediately blew out. I spoke with Automation Werx, and they are able to overnight a replacement relay. They will install that later this week, as soon as it arrives. Until that is installed, we are operating the booster pumps manually to fill the upper tanks.
A buried power line to the tank communications would eliminate this issue and allow more consistent communication with the pump house. We suggest installing permanent power to the tank site in the spring.

Upcoming Projects:

Replace totalizer meter in pump house vault with a meter that can tie into SCADA (Automation Werx)

Suggested upcoming projects:

Perform leak detection on every curbstop in system. Enter data into GIS associated with each curbstop. (spring or summer 2026)