

# Leak Detection Critical for Saving Water

In recent years, the Las Vegas Valley Water District (LVVWD) has enhanced its efforts to ensure the efficient and uninterrupted flow of water through the community's complex underground grid of pipes and valves. While the nature of this work may appear complicated, the LVVWD deploys various high-tech tools to detect and repair leaks in a timely manner to avoid major shutdowns and loss of service.

One of these tools is an acoustic monitoring system, which "listens" to water as it flows through pipes and alerts technicians in the event of a leak. Typically, water flowing through pipes generates a low-frequency sound; however, the system can detect a high-frequency sound wave if water is leaking from a pipe. LVVWD technicians can then trace the leak's location and work quickly to repair it.

- For residents, detecting leaks on their property is also crucial to conservation efforts and to reduce water-waste in the community. To help residents detect, locate, and repair leaks, the Southern Nevada Water Authority (SNWA) offers a rebate for smart leak detectors of 50 percent off the purchase price or \$200, whichever is less. To receive the smart leak detector rebate coupon, applicants must participate in a 60-month research study related to consumer leak detection devices.
- The program allows for one coupon per address.
- Coupons are redeemable only for the purchase of a qualifying product.
- The date of purchase from the customer receipt must be within 30 days of the coupon's printed date.

The smart leak detector rebate program is important to the community as the leak detectors can help provide alerts to residents of potential water waste. This can help prevent you from incurring an excessive usage charge as the thresholds for seasonal water use were reduced earlier this year. For more information, visit [snwa.com](http://snwa.com)