

SNWA OVERVIEW

The Southern Nevada Water Authority is the regional agency responsible for maintaining Southern Nevada's water resources.

CONSERVATION

Incentives, Programs,
Regulation and Pricing

**WATER SUPPLY
PLANNING**

Developing and managing
regional water supplies

WATER QUALITY

Maintaining and
protecting water quality

INFRASTRUCTURE

Building and operating
major facilities

STEWARDSHIP

Protecting
environmental resources

SNWA Board of Directors

Marilyn Kirkpatrick, *Chair*
Las Vegas Valley Water District

Dan Stewart, *Vice Chair*
City of Henderson

Scott Black
City of North Las Vegas

Olivia Diaz
City of Las Vegas

Jim Gibson
Big Bend Water District

Justin Jones
Clark County Water Reclamation District

Steve Walton
City of Boulder City

Executive Team

John J. Entsminger,
General Manager

Doa Ross,
Deputy General Manager, Engineering

David L. Johnson,
Deputy General Manager, Operations

E. Kevin Bethel,
Chief Financial Officer

Colby Pellegrino,
Deputy General Manager, Resources

Gregory J. Walch,
General Counsel

Regional Water System

Las Vegas Valley Water District operates SNWA

Through an Interlocal Contract, the Las Vegas Valley Water District provides the administrative and operating support for the SNWA.

Separate funding sources, separate budgets.

Offers many advantages to both organizations:

- Shared technical skills**
- Shared resources**
- Cost savings**

Southern Nevada Water Use

**Southern Nevada is nearly fully reliant
on the Colorado River to meet the
community's water demands.**

Severe and sustained drought conditions continue to impact critical storage reserves in the Colorado River Basin.

Colorado River Conditions

2023 saw above-average inflows; however, one good water year does not reverse decades of below-average inflows.

Further declines to reservoir elevations are expected.

Lake levels are projected to decrease, despite one wet year.

Return Flows

**Southern Nevada recycles
99% of water used indoors,
thereby extending the
availability of its resources.**

Reducing Water Use

Following a period of increasing water use, the SNWA Board established a new water conservation goal in 2021.

Conserving resources is a community effort.

GRASS

- No new golf courses
- Golf course water budgets
- Cool to warm season grass
- Non-functional grass
- Park improvements

EFFICIENCY

- Large Water User Policy
- Leak Resolution
- Asset Management
- Septic Conversion Program

NEW DEVELOPMENT

- Cooling Standards
- Pool Standards
- Limit new grass
- Septic Standards

ADAPTATION

- Cooling Rebates
- Grass Rebates
- Tree Incentives
- Tree Canopy Investments



86

GPCD

GOAL

It remains critical that Southern Nevada continues efforts towards meeting the community conservation goal.

When everyone contributes to conservation, we see the results.

Despite new connections, water use is declining.

**Despite the addition of nearly 60,000 new connections since 2020,
water use has declined by 26% in the same time period.**

Since 2002, Southern Nevada has been able to reduce water use while its population grew.

**New programs and initiatives
will support ongoing
conservation initiatives.**

- **Finding leaks**
- **Repairing leaks**
- **Financial assistance for
low-income customers**
- **Other programs**

Updated Leak Adjustment Policy

The LVVWD updated its Leak Adjustment policy to provide financial relief for customers who experience a high water bill resulting from a leak.

LVVWD has always maintained an option for customers who experience a leak that results in a higher-than-normal water bill

Historically, customers could receive a one-time 50% credit on their bill if they could demonstrate the leak was fixed (water use has returned to normal)

Updated Leak Adjustment policy:

- Customers are now eligible for a leak adjustment once every 12 months
- Excessive Use Charges as a result of the leak also adjusted
- Water use must return to normal within 60 days to be eligible for adjustment

Leak Detection Assistance Program

The SNWA's new Leak Detection Assistance Program will help homeowners offset the cost of finding a leak at their property.

In March, the SNWA Board will consider a new voucher program for residents struggling to find a water leak at their property

The voucher (valued at \$250) can be used for leak detection services or for the first two hours of service work to repair the leak from a SNWA Water Smart Plumber

Available to single-family residential customers who have been notified about excessive or ongoing leaks

Leak Repair Reimbursement Program

The LVVWD's new Leak Repair Reimbursement Program will help motivate homeowners with leaks to expedite repairs.

- **Leak repairs can often be costly, which can delay a proactive response from homeowners**
- **A program will reimburse property owners 50% of the cost to repair a leak (up to \$1,000 per event) if repaired within 60 days**
- **Affected customers will be directed to a page on LVVWD.com for assistance**

Low Income Leak Repair Assistance

The LVVWD is working with community partners to provide financial assistance to qualified homeowners experiencing a leak.

- Grant opportunities to local partners that specialize in working within underserved communities or provide wrap-around services**
- The partner would fund the complete repair of leaks**
- Only income-qualified homeowners eligible**

Residential Site Evaluations

The SNWA's Residential Site Evaluations help high consumption customers manage their water use.

- **Free service offered by SNWA Conservation to eligible homeowners**
- **Staff conducts a full analysis to identify and isolate leak issues**
- **Staff conducts a full irrigation evaluation for proper scheduling and updates irrigation scheduling, as needed**
- **Final report includes property assessment and recommendations**
- **Water savings was approximately 60,000 gallons per year per property**

Residential Site Evaluations

Property used 400,000+ gallons in 2022

- **Adjusted watering schedule to comply with fall watering restrictions**
- **Meter showed ongoing 1 gallon per minute leak (toilet)**
- **Found large volume leak in drip tubings in both front and rear yards**
- **Found many broken/missing emitters**
- **Microsprays using large amounts of water to irrigate ivy; suggested replacing with drip irrigation**

Reduced water use by nearly 50%

Residential Site Evaluations

Property used 400,000+ gallons in 2022

- **Adjusted watering schedule**
- **High flow rates (18 gallons per minute due to irrigation leaks)**
- **Identified major leak in backyard planter**
- **Mixed irrigation types within stations**
- **Broken tubing**

Reduced water use by nearly 50%

Residential Site Evaluations

Property used 400,000+ gallons in 2022

- **A few drip irrigation leaks and missing emitters were flagged**
- **Overwatering – watering grass for 20 minutes instead of 12 minutes**

Reduced water use by nearly one-third.

2024 Initiatives

- **Continue Colorado River negotiations among the seven states**
- **Continue progress towards conservation goal**
- **Support and enhance existing SNWA conservation programs**

