



## Sustainable Water Systems

Conserving and protecting our water resources while developing sustainable systems for water delivery, stormwater management, and wastewater treatment.

### What does *Sustainable Water Systems* include?

- Protecting the quantity and quality of water throughout our watershed
- Programs and education to reduce water consumption and increase efficiency
- Infrastructure for treating and distributing drinking water, wastewater, and stormwater that is well-maintained, efficient, and prepared for changing climate conditions

### How is *Sustainable Water Systems* connected to our long-term resilience and sustainability?

Drought, pollution, and land use choices impact the quantity and quality of our water supply from the Colorado River and Lake Mead. Current and projected drought will limit the availability of safe drinking water, threatening public health, our economy, and the many systems that depend on water to operate. To ensure a sufficient water supply for our growing region we must invest in and maintain efficient water systems, prevent pollution, and conserve water resources.

**36%** water level capacity

at Lake Mead in 2021, its lowest level in history, leading the Bureau of Reclamation to issue a water shortage declaration on the Colorado River for the first time.

Image: Flickr user Campbell

## By the Numbers



**52%**

decrease in water use per person, even while population has grown by **48%**



**4 inches**  
of precipitation

annually in Clark County

Below the statewide average of 10 in/yr, which earns Nevada the designation of **driest state** in the country



**197 million**  
square feet of lawn

converted to water-efficient landscaping with Southern Nevada Water Authority rebates

## Steps we are already taking to build *Sustainable Water Systems*:

**Airport Water Savings:** McCarran International Airport used the least amount of water per passenger compared to any other airport in the country in 2018. One strategy was conversion of existing turf to landscaping that requires little of no irrigation.

**Water-saving Construction Codes:** The County has adopted codes requiring low-flow and low-flush water fixtures, like sinks, toilets, and urinals, in residential and commercial buildings in unincorporated Clark County.



### Leading by Example: Conservation in County Buildings

County buildings have installed water meters and low-flow fixtures and provided employee training on reducing water consumption at work.