

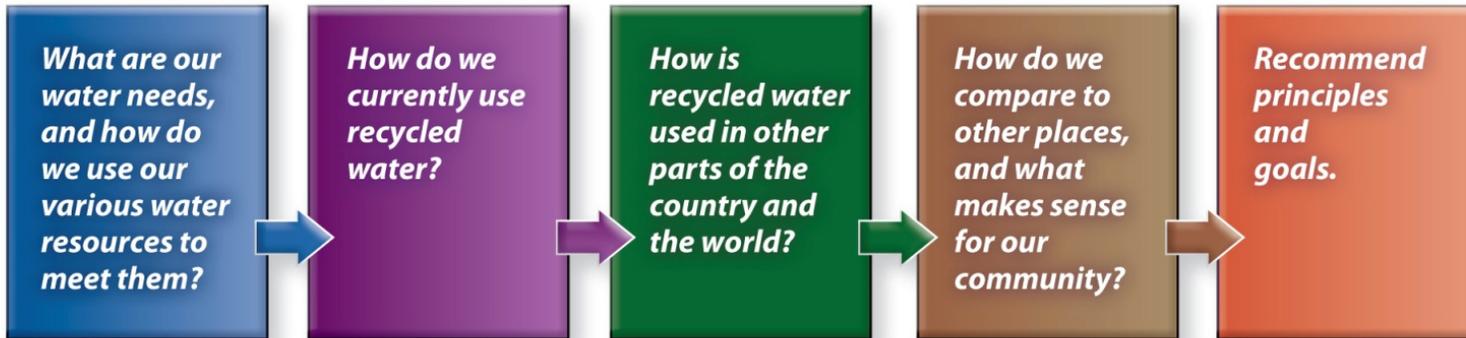
Policy Regarding Water Recycling



CleanWater
C O A L I T I O N



SOUTHERN NEVADA
WATER AUTHORITY



The Study Process

In order to provide the background needed for an informed discussion about how we use water and how recycled water should fit into our future, this study utilized a multi-step process.



Water Resources and Use



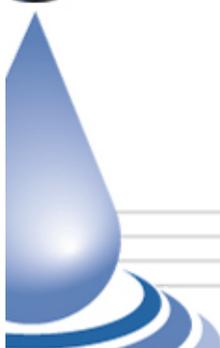
Recycled water makes up about 40% of the Las Vegas Valley water resources



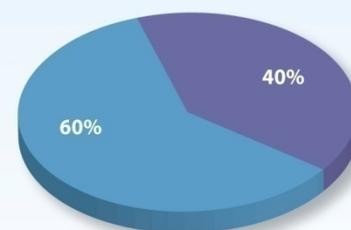
Of the remaining water resource, the Colorado River provides 90% and groundwater provides 10%



The majority of water in the region is used outdoors at residences



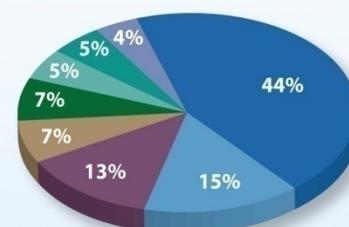
Water Resources



- Surface and Groundwater
- Recycled Water

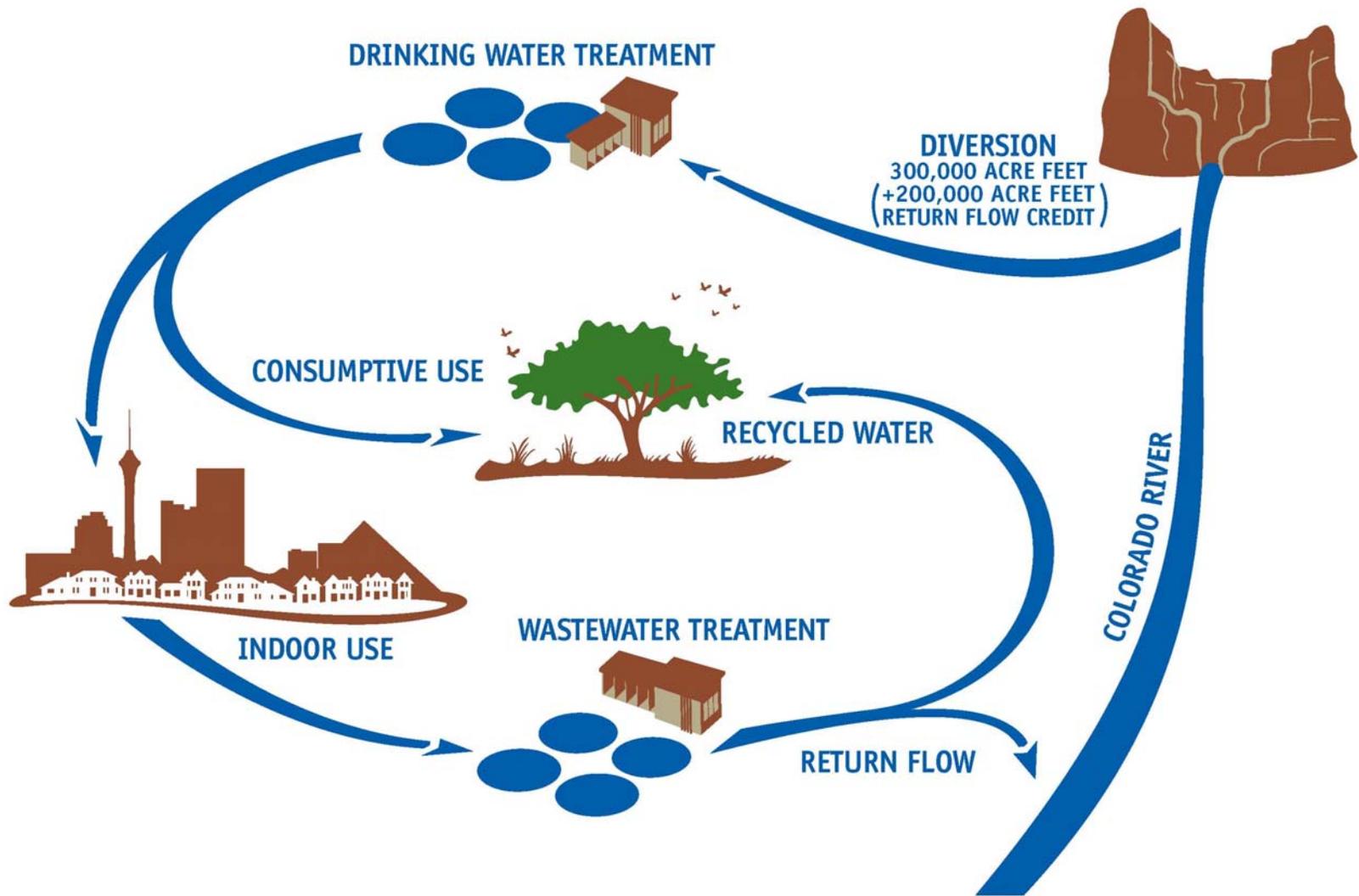


Water Use



- Residential (Single Family)
- Residential (Multi-Family)
- Commercial / Industrial
- Resorts
- Golf Courses
- Schools / Government / Parks
- Common Areas
- Other





The policy begins with definitions

- Recycled Water is water that has been used and subsequently treated to make it suitable for use again.
- Graywater is water from bathing, laundry and bathroom sinks that is used without treatment.



Guiding Principles:

Recycled Water resources should be developed and used in applications that are:

Safe

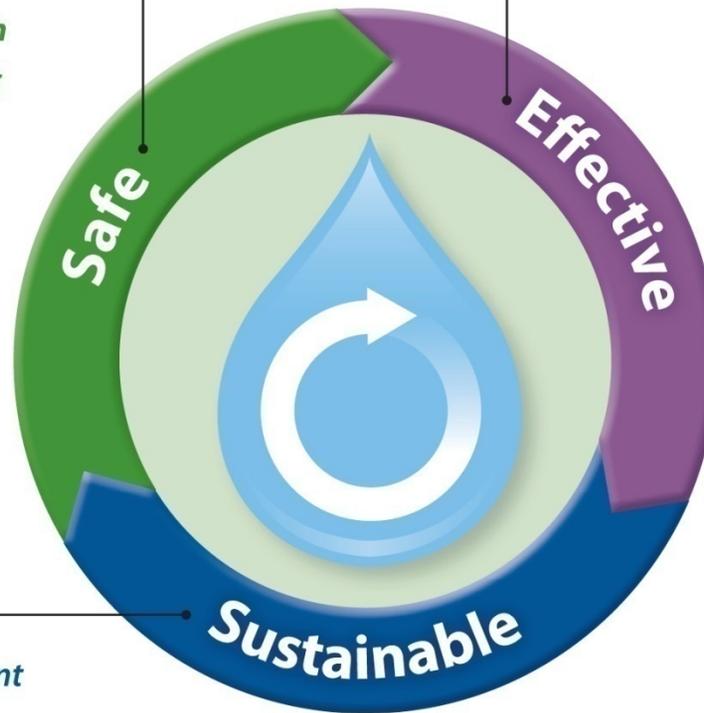
Treated to provide a high degree of assurance that public health and safety is protected.

Effective

Shown to be an effective means of maximizing the water resources available to Southern Nevada.

Sustainable

Demonstrated to represent the best balance of the environmental, economic, and social/cultural benefits.



Policy Regarding Recycled Water

1. Expand return flow to the Colorado River to increase Nevada's credit for subsequent withdrawal.
2. Expand the use of Recycled Water in the Las Vegas Valley where large turf and industrial demands exist.
3. Maximize the use of Recycled Water in areas of Southern Nevada where return flow to the Colorado River system is not practical, including the testing of aquifer storage and recovery.



Policy Regarding Recycled Water

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4. Develop a Salt Management Strategy to address the accumulation of salts that are detrimental in Recycled Water.
 5. Continue to advance the research of the health and safety implications of Recycled Water.
 6. Prohibit the use of treated or untreated Graywater in the Las Vegas Valley and prohibit its use outside the valley where there is reasonable potential for return flow to the Colorado River system or other Water Recycling programs.
 7. Educate the public about our local water cycle and the benefits of Recycled Water.



Next Steps

Policy adoption by each member agency of SNWA and CWC

Staff incorporate the policy into plans, codes, standards and practices

Continued regional coordination