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Virgin River Photo courtesy of Daug Wilson

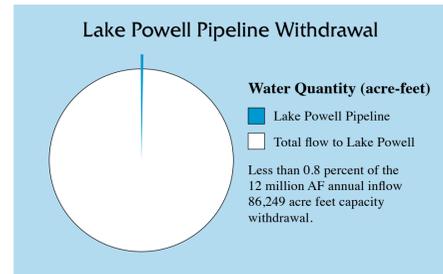
Water Supply and Availability

- Washington County has a finite available water supply, currently totaling 74,600 acre feet
- Washington County is 100 percent dependent on the Virgin River
- Virgin River delivers approximately 30,000 acre feet of water per year to the district's reservoirs
- Colorado River delivers approximately 12,000,000 acre feet of water per year to Lake Powell
- Utah has 400,000 acre feet of unused water allocated in the Colorado River
- Virgin River stream flows are currently 22 percent of average¹
- Colorado River stream flows are currently 102 percent of average²
- The Colorado River is southern Utah's most reliable water source
- Conservation, though essential, is not sufficient to sustain our growing population and economy

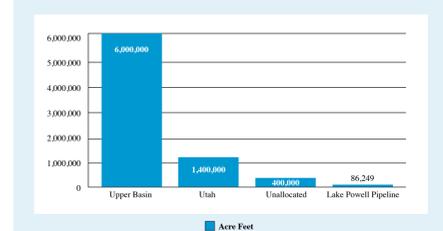
State legislators passed the Lake Powell Pipeline Development Act in 2006

- The pipeline will deliver a small portion of Utah's unused Colorado River allocation (86,249 acre feet) to Washington and Kane counties
- The state is the owner, operator and financier of the project
- Water deliveries are expected to commence between 2025 and 2030

1. Natural Resources Conservation Service, Utah Water Supply Outlook Report, May 1, 2014
 2. Id.



Colorado River Allocations



WATER LINE

Summer 2014 Your Water Information Source wcwcd.org



Asking the Right Questions

Manager's Message by Ron Thompson

Can we afford the Lake Powell Pipeline? We hear that question frequently. Can we afford to *not* have the Lake Powell Pipeline? That's not something we're asked, though it's a question that deserves thoughtful consideration.

- What would we put at risk today and in our future if we did not have a safe, reliable water supply to sustain our growing population and economy?
- How would property values be impacted?
- How many current businesses would be forced to close?
- Would future businesses open in an area without a reliable water supply?
- Would unemployment increase?
- What would happen to our educational system?
- Would we still have access to quality health care services?
- Who would visit our community? How would tourism be affected?
- Would the billions invested annually in roads and transportation be of service?
- Where will our children and grandchildren live and work?
- How will our overall quality of life change?
- What will our community look like?

Consideration of these questions underscores the cost for the Lake Powell Pipeline is small in comparison to the project's social and economic return.

We all benefit today from work performed by others who developed water resources to serve future needs. Now that's our responsibility.

Some falsely believe conservation alone is sufficient to meet future water

needs. The water district and its municipal partners have invested millions of dollars in conservation initiatives, more than any other organization in Washington County. We encourage conservation and wise water use, but must be realistic about its capabilities.

To serve Washington County's future projected population of nearly 600,000 people¹, 143,000 acre feet of additional water supplies are needed². We currently have 74,600 acre feet. Even the best, most innovative and expensive conservation practices will not triple our current supply to meet future demands.

There will be tough decisions in our future as our community continues to grow, but the need for the Lake Powell Pipeline is irrefutable. It's essential to the future generation who will choose to call Washington County home.

1. Governor's Office of Planning and Budget 2012 Baseline Projections (<http://gomb.utah.gov/economics/demographic-indicators/population-forecast/>)
 2. Readings of Utah's Future Water Development and Infrastructure by Utah Division of Water Resources and state water districts, 2013



Ron Thompson General Manager

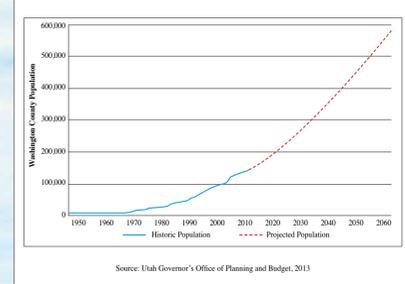
Population and Economic Growth Facts

- Utah is the fifth fastest-growing state in the nation¹
- Washington County is the third fastest-growing county in Utah²
- Utah has the fifth lowest unemployment in the nation at 3.8 percent³
- Washington County's unemployment is 3.4 percent⁴
- Utah's population is expected to nearly double from 2.9 million in 2013 to 5.965 million in 2060⁵
- Washington County's population is expected to nearly quadruple from 147,800 in 2013 to 581,731 in 2060⁶
- Washington County issued 1,953 new home single family permits between April 2013 and April 2014⁷
- There were 4,534 businesses reported in Washington County in the third quarter of 2013, an increase of 4.1 percent from 2012⁸
- Utah ranked 7 in the nation in real gross domestic product with a 3.4 percent increase in 2012 totaling \$111,808,000,000⁹
- Washington County's real gross domestic product increased 3.2 percent in 2012 totaling \$3,279,000,000¹⁰

One acre foot of water in Washington County supports¹¹:

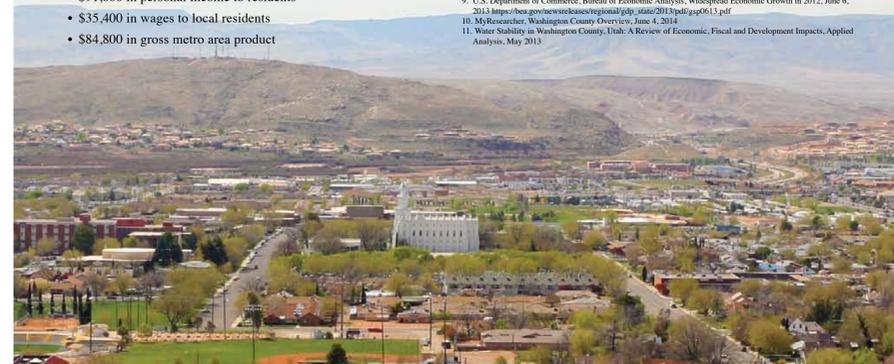
- 3.4 residents
- 1.2 households
- 1.1 employees
- 0.1 businesses
- \$91,000 in personal income to residents
- \$35,400 in wages to local residents
- \$84,800 in gross metro area product

Population Projections



Source: Utah Governor's Office of Planning and Budget, 2013

1. United States Department of Commerce, Census Bureau, 2013
 2. Id.
 3. United States Department of Labor, Bureau of Labor Statistics, Unemployment Rates for States, April 2014
 4. MyResearcher, Washington County Overview, June 4, 2012
 5. Governor's Office of Planning and Budget 2012 Baseline Projections (<http://gomb.utah.gov/economics/demographic-indicators/population-forecast/>)
 6. Id.
 7. MyResearcher, Washington County Overview, June 4, 2014
 8. Id.
 9. U.S. Department of Commerce, Bureau of Economic Analysis, Widespread Economic Growth in 2012, June 6, 2013 (<http://www.govinfo.us/relations/realtime/full/2013/2013060612.pdf>)
 10. MyResearcher, Washington County Overview, June 4, 2014
 11. Water Stability in Washington County, Utah: A Review of Economic, Fiscal and Development Impacts, Applied Analysis, May 2013



St. George

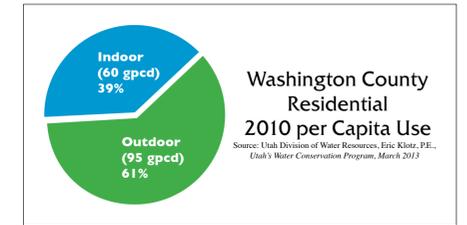
Photo courtesy of Daug Wilson

District Offers Free Water Checks

Washington County Water Conservancy District is offering free water checks now through September 30. Water checks provide participants with a suggested irrigation schedule customized for their landscape. Interested participants should call 435.673.3617 to schedule an appointment. Representatives from the district will come to your home or business and evaluate your irrigation system's pressure, distribution, flow and more. The process takes approximately one hour. The water district has performed hundreds of water checks since the program was implemented in 2005.

Call 435.673.3617 to schedule a free water check

"As the drought continues in Southern Utah, it becomes increasingly important to use our water wisely," said Julie Breckenridge, conservation manager for the district. "More than half of our water is used outdoors making landscape conservation efforts a top priority for the district." Additional resources to help local property owners conserve water outdoors are available on the district's website, wcwcd.org. The website features information on irrigation system rebate programs, low water use plant options appropriate for our climate and lists local landscapers certified in water conservation practices.



Washington County Residential 2010 per Capita Use
Source: Utah Division of Water Resources, Eric Klotz, P.E., Utah's Water Conservation Program, March 2013

Costco Completes Landscape Conversion



Costco recently completed a water-efficient landscape conversion that incorporates the retail center's existing large shade trees and added a wide variety of new shrubs and rock ground cover.

According to Sheryl Kerstens, administrative manager, Costco Wholesale St. George, the previous landscape was overgrown, costly to water and difficult to manage. "We considered the maintenance, water use and costs and determined the new landscape was a good investment as a business and community partner," said Kerstens. "We wanted an attractive landscape that was easy to maintain and water efficient. The response from our customers has been very favorable; we're pleased with the results."

If you're mindful of a business or resident who demonstrates wise water conservation practices, contact Karry Rathje at krathje@wcwcd.utah.gov or call 435.673.3617.

Time of Day Watering and Public Facilities

Have you seen **parks, golf courses, cemeteries, schools, churches or government buildings watering during the heat of the day?**

These community amenities are using untreated (secondary) water unsuited for use in our homes or businesses.

Secondary water requires its own storage facilities and a separate pipeline network to transport water. According to Scott Taylor, water services director for St. George City, portions of the secondary irrigation system were built years ago and require extended hours of operation to serve the city's growing list of facilities.

Over the years, the city has extended its secondary system beyond its original

design in several areas of the community to serve facilities previously irrigated with culinary water. However, the city is unable to irrigate all its facilities in a 12-hour time frame with its current system.

"The expense of replacing the existing infrastructure to limit outdoor watering hours is cost prohibitive," said Taylor. "Extending the use of secondary water past the 12-hour watering window is more economical and water-efficient than using treated culinary water during recommended watering hours."

You can have a Beautiful Lawn and Low Water Bill

How Often?	When?	How Much?
Early Spring (February - March)	Once a week	Water in multiple short cycles for optimal results.
Spring (April - May)	Twice a week	
Summer (June - August)	Three times a week	
Fall (September - October)	Twice a week	
Late fall (November)	Once a week	

WASHINGTON COUNTY WATER CONSERVANCY DISTRICT

Calendar of Events

Landscape Workshops

Washington County Water Conservancy District hosts dozens of free community landscape workshops annually. All workshops are scheduled from 10:00 to 11:00 a.m. at the Tonquin Nature Center, 1851 S. Dixie Dr. in St. George. Following is the list of upcoming classes:

June 14	Cactus & Succulents
June 28	Incredible Edible Landscapes
July 12	What's Eating You
July 19	It's all in the Container
August 9	Fall into Veggie Gardening
August 23	Fall into Veggie Gardening (repeat)
September 13	Cooking with Homegrown Product
September 27	Fall is for Planting and Planning

Board Meetings

Board meetings are held monthly at 6:00 p.m. at the district's office, 533 E. Waterworks Dr. Upcoming meetings are scheduled on June 17, July 15, September 16 and October 21. A facility tour is scheduled for the September 16 meeting.

WASHINGTON COUNTY WATER CONSERVANCY DISTRICT
 533 E. Waterworks Drive
 St. George, UT 84770
wcwcd.org • 435.673.3617

Contact Karry Rathje at krathje@wcwcd.utah.gov for content recommendations or inquiries.

Southwestern Utah Water Conditions

Precipitation*	58%
Soil moisture*	57%
Reservoir storage*	44%
Upper Virgin snowpack*	26%
Virgin River surface water*	7%
Stream flow	
Lake Powell*	102%
Virgin River at Hurricane*	22%
Santa Clara near Pine Valley*	20%

Key: * percent of average % percent of median
 Source: Natural Resources Conservation Service, Utah Climate and Water Report, June 1, 2014



Virgin River

Photo courtesy of Daug Wilson