

WASHINGTON COUNTY
WATER CONSERVANCY DISTRICT

WATER LINE

Summer 2013

Your Water Information Source

WCWCD.org

Lake Powell Pipeline

138 miles • 86,249 acre feet capacity withdrawal

Is the Lake Powell Pipeline really needed?

Consider the following and decide for yourself:

- All completed and in-progress water projects will have developed all available water sources in Washington County by 2020, without the Lake Powell Pipeline
- Assuming the population and water use continue at today's current counts – without any increase or decrease – our water resources will reach capacity in 2031
- We need to continue using water wisely, but conservation alone is not an alternative to developing additional water supplies

Washington Co. Population

- 2.33-percent current growth rate
- 3rd fastest growing county in Utah
- 1,400-plus single family home permits in one year

Cost
Washington County's portion is estimated at less than \$1 billion.

Planned funding
Low interest government grants and bonds, in addition to up front funding from the Washington County Water Conservancy District secured primarily through impact fees. Tax increases or raised water rates are not planned to fund this project.

How does one acre foot of water support a community?

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

How does \$1 billion in capital investment immediately impact Washington County?

- Jobs: ± 10,000 jobs
- Wages: ± \$425 million
- Output: ± \$1.5 billion

What does 86,000 acre feet mean in terms of economic potential?

- Population: 292,547
- Employment: 97,240
- Businesses: 8,944
- Wages and salaries: \$3 billion
- Total personal income: \$7.8 billion
- Gross metropolitan product: \$7.3 billion

References include US Department of Commerce, US Census Bureau Department of Labor Statistics, Governor's Office of Planning and Budget, US Drought Monitor, Utah Division of Water Resources, WCWCD 2012 Water Conservation Audit, Forbes Magazine (12.12.12) and Applied Analysis Report (05.23.13)

Current Water Levels for Southwest Utah

Stream flow
Down 70%*

Reservoir Storage
Down 30%*

Precipitation
Down 35%*

Snowpack Level
Down 59%*

Soil Moisture Saturation Level
Down 31%*

*Percent of Average.
Reference:
National Resources Conservation Service
May 2013 report

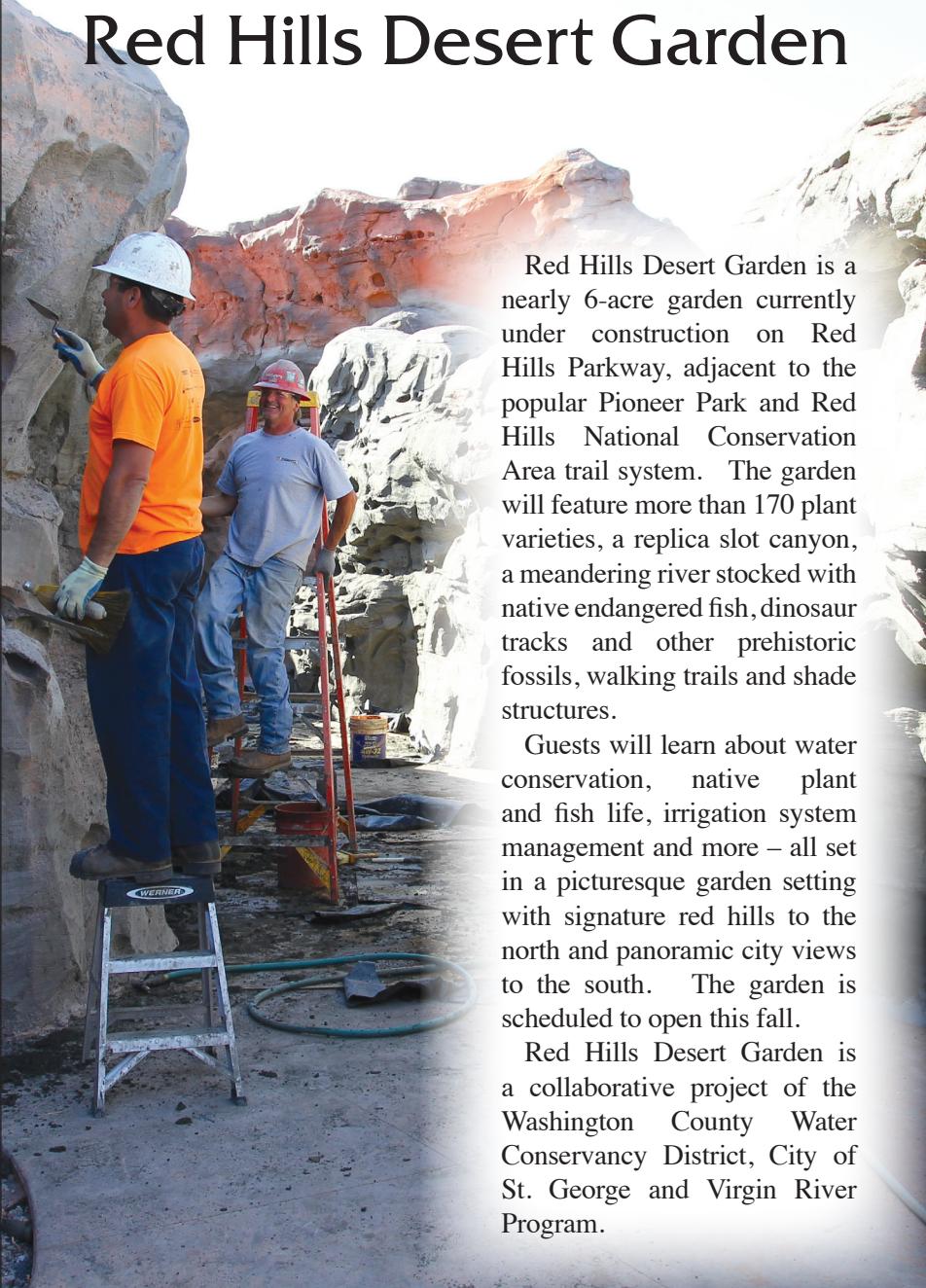
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Timeline for the Lake Powell Pipeline



Construction Continues on Red Hills Desert Garden



Red Hills Desert Garden is a nearly 6-acre garden currently under construction on Red Hills Parkway, adjacent to the popular Pioneer Park and Red Hills National Conservation Area trail system. The garden will feature more than 170 plant varieties, a replica slot canyon, a meandering river stocked with native endangered fish, dinosaur tracks and other prehistoric fossils, walking trails and shade structures.

Guests will learn about water conservation, native plant and fish life, irrigation system management and more – all set in a picturesque garden setting with signature red hills to the north and panoramic city views to the south. The garden is scheduled to open this fall.

Red Hills Desert Garden is a collaborative project of the Washington County Water Conservancy District, City of St. George and Virgin River Program.

Water Wisely
BETWEEN 7 P.M. & 10 A.M.

Facility Spotlight

Quail Creek Diversion Dam

Diversion dams divert a portion of water flows from its natural course to provide municipal water, support irrigation and industrial needs and produce hydroelectric power. Washington County Water Conservancy District currently owns and operates several diversions, which are monitored and checked every day, 365 days a year.

Quail Creek Diversion, one of the district's larger diversions, diverts water from the Virgin River with a 20-foot tall, 40-foot wide steel dam. The diverted water travels through an 8.7-mile steel 66-inch pipeline to the Hurricane Hydropower Plant before emptying into Sand Hollow and/or Quail Creek Reservoirs.



Dixie Residents Tour Facilities

Dozens of local residents gather at the Quail Creek Diversion Dam to learn about Washington County's water facilities during a recent tour coordinated by the Washington County Water Conservancy District. The two-hour tour included information on the district's dams, hydropower plants, reservoirs,

pipelines, wells, storage tanks, water treatment plant and more. District executives, who conducted the tour, discussed the complex, interconnected and necessary role of its facilities in providing water to the 150,000 residents in Washington County.



Free Water Checks

Participants receive soil type identification and a recommended efficient watering schedule.

And did we mention it's free?

Call 435.673.3617
to schedule your appointment today.



18th Annual Water Fair a Success

Nearly 2,000 fourth grade students throughout Washington County recently participated in the 18th annual Water Fair hosted by Washington County Water Conservancy District. More than 30 presenters discussed a wide range of water-related topics including conservation, quality, sources and more.

The event, which was held at Dixie State University, is one of many educational activities coordinated by the district. Major sponsors included the various cities and towns located in the county as well as Dixie State University and Scholzen Products.





District obtains ownership of Pah Tempe Hot Springs

Washington County Water Conservancy District recently became the sole owner of Pah Tempe Hot Springs, a natural hot springs that produces approximately eight million gallons of 107-degree Fahrenheit water every day. The springs have been a recreational spot for residents and visitors for decades, but the water's high salinity and contamination levels pose unique challenges to our regional and local water supply.

The springs release an astounding 110,000 tons of salt annually into the Colorado River. The salt, accompanied with dozens of other elements, combine to make Pah Tempe one of the most contaminated water sources in the Southwestern United States.

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The water district is working with state and federal agencies to research how to protect our county's water supplies from Pah Tempe and also address the needs of endangered wildlife habitat. The springs will remain closed during this time so the studies can proceed uninterrupted. A functioning septic system also needs to be added to prevent raw sewage from seeping into our water supplies prior to the springs reopening.

The district will organize future discussions with the local governing entities to discuss the process and operational requirements of reopening the springs as a community recreational amenity once all the water quality and safety issues have been addressed.

Upcoming Events

June 8

10 a.m. Water Wise Gardening Workshop:
Cactus and Succulents
Tonaquint Nature Center,
1851 S. Dixie Drive

June 18

6 p.m. Board Meeting
at the district office,
533 E. Waterworks Drive

June 22

10 a.m. Water Wise Gardening Workshop:
River Friendly Landscapes
Tonaquint Nature Center,
1851 S. Dixie Drive

June 27

4 p.m. Citizens Advisory Committee (CIRPAC)
Meeting at the district office,
533 E. Waterworks Drive

July 13

10 a.m. Water Wise Gardening Workshop:
What's Eating You
Tonaquint Nature Center,
1851 S. Dixie Drive

July 16

3:00 p.m. (work meeting)
and 6 p.m. Board Meeting
at the district office,
533 E. Waterworks Drive

July 20

10 a.m. Water Wise Gardening Workshop:
It's all in the Container
Tonaquint Nature Center,
1851 S. Dixie Drive

July 25

7 p.m. Citizens Advisory Committee (CIRPAC) and Governor Herbert's Listening Session
Dixie State University
225 S. 700 E.
Dunford Auditorium

August 10

10 a.m. Water Wise Gardening Workshop:
Fall into Veggie Gardening
Tonaquint Nature Center,
1851 S. Dixie Drive

August 22

4 p.m. Citizens Advisory Committee (CIRPAC)
Meeting at the district office,
533 E. Waterworks Drive

August 24

10 a.m. Water Wise Gardening Workshop:
It's all about Irrigation
Tonaquint Nature Center,
1851 S. Dixie Drive

WASHINGTON COUNTY

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