

Coconino County, Arizona, Feasibility Study (Status as of 9/30/2015)

- Authorized in 2010 and funded under the Rural Water Program.
- Succeeds the North Central Arizona Water Supply Study (Report of Findings) completed in October 2006 by Reclamation.
- To date, the project features that have been studied include a water delivery pipeline and associated features between Lake Powell and the City of Flagstaff including spurs to Bitter Springs, Tuba City, the Hopi Villages to Keams Canyon, Williams, and a water delivery pipeline and associated features from Red Gap Ranch to Flagstaff.
- Reclamation Rural Water funding was not available for FY2013 or FY2014 and the Study has not been completed.
- Reclamation has informed us the Rural Water Act is scheduled to sunset in 2016 unless it is reauthorized by Congress. Indications as of October of 2015 are that the Act reauthorization is unlikely.
- Study Partners include the Arizona Department of Water Resources, Coconino Plateau Watershed Partnership, Navajo Nation, Hopi Tribe, Coconino County, City of Page, and the City of Flagstaff.
- Summary of Partner cost share to date:
 - City of Flagstaff contributed in-kind cost share for the Red Gap Ranch pipeline in the amount of \$1,662,452. Flagstaff has also contributed \$30,000 cash.
 - The Navajo Nation contributed in-kind cost share for the pipeline alignment in the Page/LeChee area; only portions of the cost share amount have been validated and are valued at about \$69,000. The Navajo Nation has also contributed \$124,810 cash.
 - The Hopi Tribe has contributed \$50,000 cash.
 - The Arizona Department of Water Resources has contributed \$302,000 in cash
 - The County contributed in-kind cost share aerial photography that will be used for the pipeline design; the in-kind cost share value has been determined to be \$46,695. Coconino County has also contributed \$10,000 cash.
 - The City of Page has spent \$37,139 for an Environmental Assessment that looked at the intake from Lake Powell, pumping station and pipeline that would be required for them to benefit from the project. Reclamation is currently evaluating the work to determine its qualification for in-kind credit. Page has also contributed \$5,156 cash.
 - The Coconino Plateau Watershed Partnership (NGO) has contributed \$37,824 cash.
- The Study includes a feasibility level cost estimate, which requires engineering and design to 30%. Designs will include a new pipeline and appurtenant features (including reservoir-side pumping plant, booster/re-lift plants, forebay tanks, water storage tanks, air changer regulating tanks, pressure reducing valves, valve vaults, and participant delivery vaults), an Environmental Impact Statement (EIS), and an economic analysis (including a cost benefit study).

- Federal Funds Received from the Rural Water Program
 - FY2010-FY2011 \$500,000
 - FY2011 additional \$450,000
 - FY2012 \$1,400,000
 - FY2012 additional \$330,000
 - FY2015 (left over funds) \$211,000
 - Total federal funds received: \$2,891,000
- The funding authorized to date is being used for pipeline design. The project will be out of funds in 2016.
- The 2007 cost estimate to complete the Study was \$12.261 million and included the following reaches and/or analyses:
 - Lake Powell to Cameron
 - Moenkopi to Kykotsmovi
 - Cameron to Flagstaff
 - Flagstaff to Williams
 - Cameron to Grand Canyon and Tusayan
 - Red Gap Ranch to Flagstaff
 - Williams Wells
- Some reaches have been eliminated from consideration or have been modified. Williams, Tusayan and the Grand Canyon Park have decided to withdraw from the project.
- It is now estimated that \$10.85 million is needed for the Study which includes the EIS, economic analysis, and final report preparation. This cost estimate is based on the numbers “inferred” by Reclamation in 2014 and is not a detailed cost estimate. The current Study reaches include:
 - Lake Powell To Page
 - Page to Tuba City
 - Bodaway Gap to Bitter Springs
 - Hwy 89 near Tuba City to Cameron
 - Moenkopi to Keams Canyon
 - Cameron to Flagstaff
 - Red Gap Ranch to Flagstaff