

RECLAMATION

Managing Water in the West

North Central Arizona Water Supply Feasibility Study FY2015 Tasks and Cost Estimate

Coconino Plateau Watershed Partnership
June 27, 2014



U.S. Department of the Interior
Bureau of Reclamation

NCAWSFS Options and Portability

Hydraulic Engineering



Pipeline Design

- Pipe Details
- Intake
- Head Class
- Pumping Plant locations

The results are portable unless Study partner(s) change or water delivery volumes change significantly, then the entire analysis has to be rerun.

NCAWSFS Options and Portability

Feasibility Design Report



- A major component of Feasibility Study.
- Does not include Environmental Impact Statement.
- Produces estimate of capital costs to construct and OM&R costs.

- Hydraulic Engineering
- Civil Design
- Intake Structure
- Scour Analysis
- Electrical
- Mechanical
- Corrosion Protection
- Cost Estimate

NCAWSFS FY2015

Tasks and Cost Estimate with Hydraulic Engineering

Segment	Task	Estimated Cost
Page-LeChee	Plan and profile drawings	\$ 45,540
Page-LeChee	Intake - drilling 1 angle hole 420', includes geologist and geophysics	\$ 165,462
Moenkopi to Keams Canyon	Plan and profile drawings	\$ 91,080
Moenkopi to Keams Canyon	Geology investigation, includes test pit locations, CEC, geologist time	\$ 27,036
Moenkopi to Keams Canyon	Geology investigation - Yuma's cost, includes test pit excavations (field work) and lab testing	\$ 60,720
Moenkopi to Keams Canyon	Scour study	\$ 60,720
	SUBTOTAL	\$ 450,558
Entire Pipeline Alignment	Hydraulic engineering	\$ 1,500,000
	ESTIMATED COST TOTAL	\$ 1,950,558

RECLAMATION

NCAWSFS Partner Considerations

Rural Water Study
Program Authorization
currently expires
September 30, 2016



- May or may not be reauthorized
- Uncertain how existing projects will proceed



Partners seek other
authorization and
funding sources

NCAWSFS Status

- Study tasks are on-going through FY2014
- FY2015 Study continuation is dependent on partner cost share contributions

NCAWSFS Questions?

QUESTIONS/COMMENTS

Contact: Deborah Tosline

dtosline@usbr.gov

623-773-6277

RECLAMATION