

North Central Arizona Water Supply Feasibility Study

Council Discussion

Presented by

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Policy Question

Does Flagstaff continue to fund our portion of the feasibility study to complete the 30% pipeline design of Western Navajo Pipeline absent a Navajo-Hopi Water Rights Settlement?

No decision today – discussion and direction only



Background

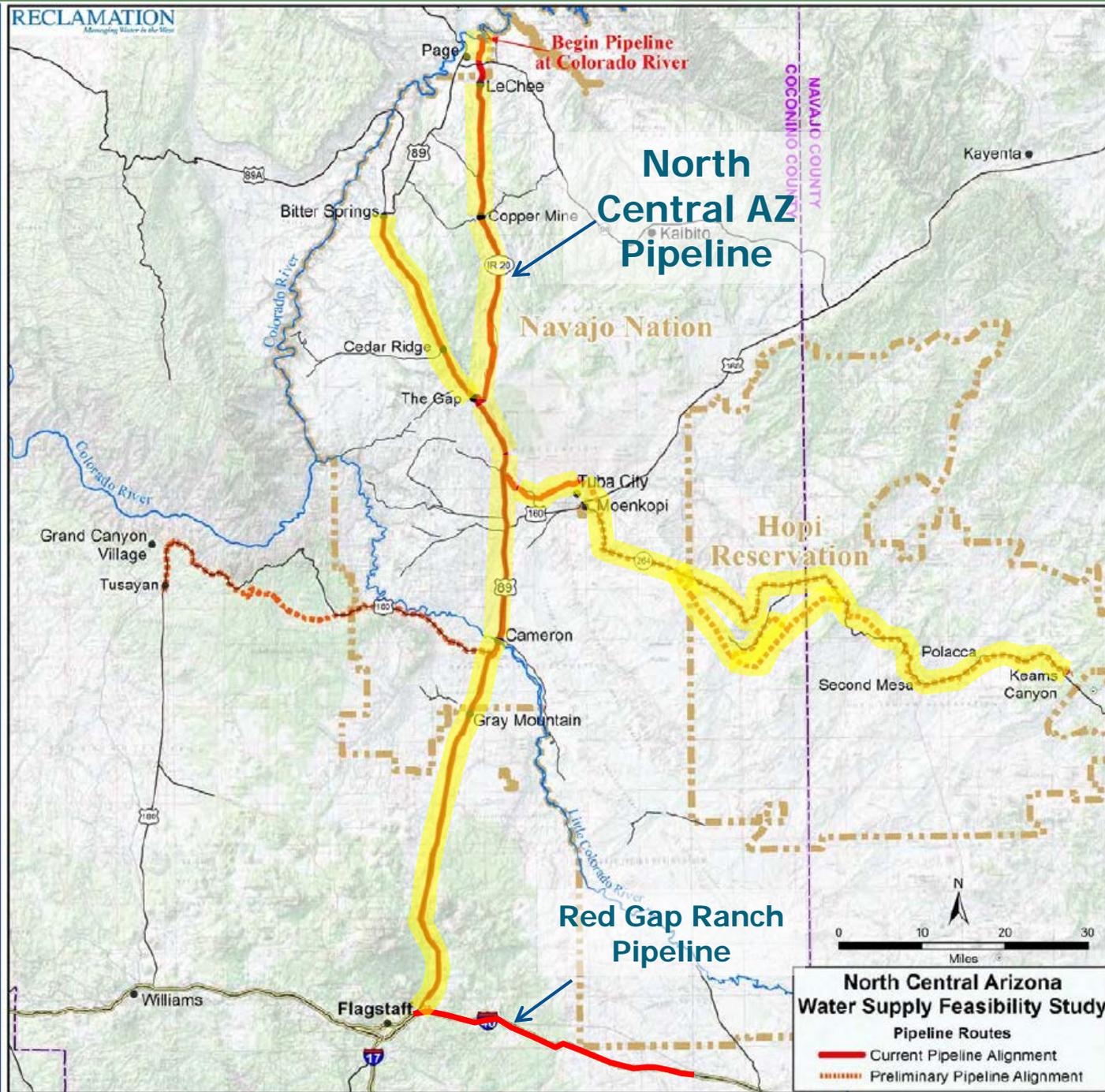
1999: Long-term water supply study by ADWR predicted shortages of water in Northern Arizona in 2050 (*ADWR Water Supply Study, 1999*)

Coconino Plateau Water Advisory Council (CPWAC) selected Bureau of Reclamation (BOR) to conduct the North Central Arizona Water Supply Appraisal Study.

2006: BOR Appraisal Study identified two future supply sources to meet regional needs:

1. Western Navajo Pipeline (aka North Central Arizona Pipeline) from Lake Powell
2. Red Gap Ranch Pipeline (40 miles east of Flagstaff)





30%
Pipeline
Design



North Central Arizona Water Supply Feasibility Study Cost Estimate per Component (April 2013)

Reach	Denver BOR Engineering Hydraulics	PXAO Engineering (includes aerial mapping)	Geology	Environmental Clearances for Feasibility Work	EIS	Admin and Economics	Grand Totals
Lake Powell to Cameron (Page to Cameron, Bodway Gap to Bitter Springs, Hwy 89 to Tuba City and Moenkopi - 120 miles)	\$1,787,000	\$878,000	\$623,000	\$65,000	\$1,530,000	\$437,000	\$5,320,000
Moenkopi to Keams Canyon (81 miles)	1,176,000	592,000	317,000	41,000	67,000	88,000	2,281,000
Cameron to Flagstaff (53 miles)	1,013,000	387,000	202,000	36,000	203,000	55,000	1,896,000
Red Gap Ranch (41 miles)	675,000	300,000	148,000	32,000	190,000	11,000	1,356,000
Grand Totals	\$4,651,000	\$2,157,000	\$1,290,000	\$174,000	\$1,990,000	\$591,000	\$10,853,000



Background (continued)

2011: BOR Began Feasibility Study

- City entered into a cost-share agreement with BOR, Coconino County, City of Page, ADWR – Federal 41% Non-Federal 59%

2011-2013: Partner funding to date for feasibility = \$2.22M

2014: BOR asking \$1.95M from partners to complete 30% pipeline design for pipeline from Lake Powell

Funding Contributions to Date	In-kind	Cash	Total Additional to Complete 30% Design	Volume of Water
Federal		\$2,680,000		
City of Flagstaff	\$1,662,452	\$30,000	\$824,582	12,000
Coconino County	\$46,695	\$10,000	\$306,711	2,265
Navajo Nation	\$69,000	\$24,810	\$246,894	8,438
Hopi Tribe	\$0	\$50,000	\$528,893	4,048
City of Page	\$0	\$5,156	\$43,479	3,091
ADWR	\$0	\$282,000		
CPWAC	\$0	\$37,824		
TOTAL	\$1,778,147	\$439,790	\$1,950,559	



Feasibility Study Status

- Federal funding towards feasibility in FY11 & FY12
- City of Flagstaff has financially contributed 76% of all of the non-Federal money towards the Feasibility Study to date:
 - \$1.66M towards Red Gap Pipeline
 - \$30K towards Western Navajo Pipeline
- BOR recommends completion of the 30% pipeline design
 - Required for cost estimates for the pipeline construction, EIS and Economic Study
- The 30% pipeline design completion will have a long-term shelf life. However, should partners of volume of delivery change in the future, 30% pipeline design will have to be redone



Issues for CPWAC

- There is no Federal funding for Feasibility Studies from FY13 through FY16
- BOR Rural Water Supply Program funding authority will terminate in FY16 unless law gets changed
- It is expensive to complete 30% pipeline design; cost to complete is \$1.95M (non-federal parties cost-share)



Issues for Flagstaff

- Flagstaff's share of the remaining \$1.95M is \$824,588. Only \$30K is budgeted in FY15
- Flagstaff has no Colorado River Water Rights at this time to put into a pipeline
- Flagstaff has no authority to pump Colorado River water from Lake Powell, which is located in the Upper Basin, for use in the Lower Basin. This authority could occur through a Navajo/Hopi Water Rights Settlement in concurrence with the 7-Basin States and Congressional approval



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Staff's strategy for future water supply has always been to keep Flagstaff's options open as long as possible to better ensure access to limited resources.



Options for Council consideration: Flagstaff to tell CPWAC that...

1. our funding is on-hold until Federal funding for feasibility studies returns as we do not think it is prudent to commit additional funds to actively pursue this water supply option at this time. We will then fund WNP to 30% pipeline design
 - Partners could choose to fund studies independent of BOR
2. we will only fund the FY15 budget amount of \$30,000 and let the USBR conduct work activities for only this amount
3. we will commit to completing the 30% pipeline design, but commit to pay \$190,470 in FY 15 only if ALL other Parties commit to pay
4. Other?

