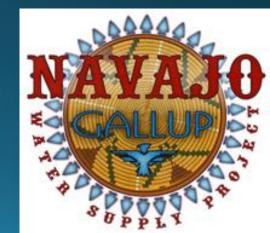
Navajo – Gallup Water Supply Project

Northwest New Mexico Council of Governments

Board Meeting
January 15,2020









Navajo – Gallup Water Supply Project

- Background/Need/Purpose
- Project Complexities
- Status of Project
- Potential for Regionalization

- Project has evolved over four decades
- Nation and State signed Settlement Agreement in 2005
- Authorized for construction in March 2009 with passage of PL 111-11
- Cornerstone of Navajo San Juan River in New Mexico Water Rights Settlement

111th Congress An Act to designate certain land as components of the National Wilderness Preservation Mar. 30, 2009 System, to authorize certain programs and activities in the Department of the Interior and the Department of Agriculture, and for other purposes. Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, Public Land SECTION 1. SHORT TITLE; TABLE OF CONTENTS. Management Act (a) SHORT TITLE.—This Act may be cited as the "Omnibus 16 USC 1 note Public Land Management Act of 2009". (b) TABLE OF CONTENTS.—The table of contents of this Act is as follows: Sec. 1. Short title; table of contents. TITLE I—ADDITIONS TO THE NATIONAL WILDERNESS PRESERVATION

- Key component to the San Juan Water Rights Settlement Agreement
- 2. Must be completed no later than December 31, 2024. We can't go past this date if we do, we'll turn into a pumpkin, as all federal funding could go away....
- 3. Hefty price tag that gets adjusted once a year, and as of last October, it has a price tag of a bit over one billion dollars
- 4. Permitting and reviews have been accelerated for this project, so we are all moving forward fairly quickly



- Provides major infrastructure to secure and convey a longterm reliable water supply for:
 - Eastern portions of the Navajo Reservation
 - Southwest portion of Jicarilla Apache Reservation
 - City of Gallup
- Project will divert 37,376 acre-feet of water annually from the San Juan River Basin
 - Convey it via approximately 280 miles of pipeline, several pumping plants, and two water treatment plants.



Background

 Indian Water Rights Settlements are designed to settle tribal claims to meet both current and future needs

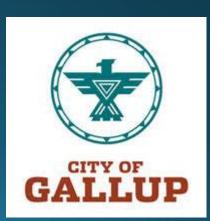


Background

- Future needs are based on:
 - Population projections that assume increased growth rates as result of availability of water
 - Anticipated Economic Development





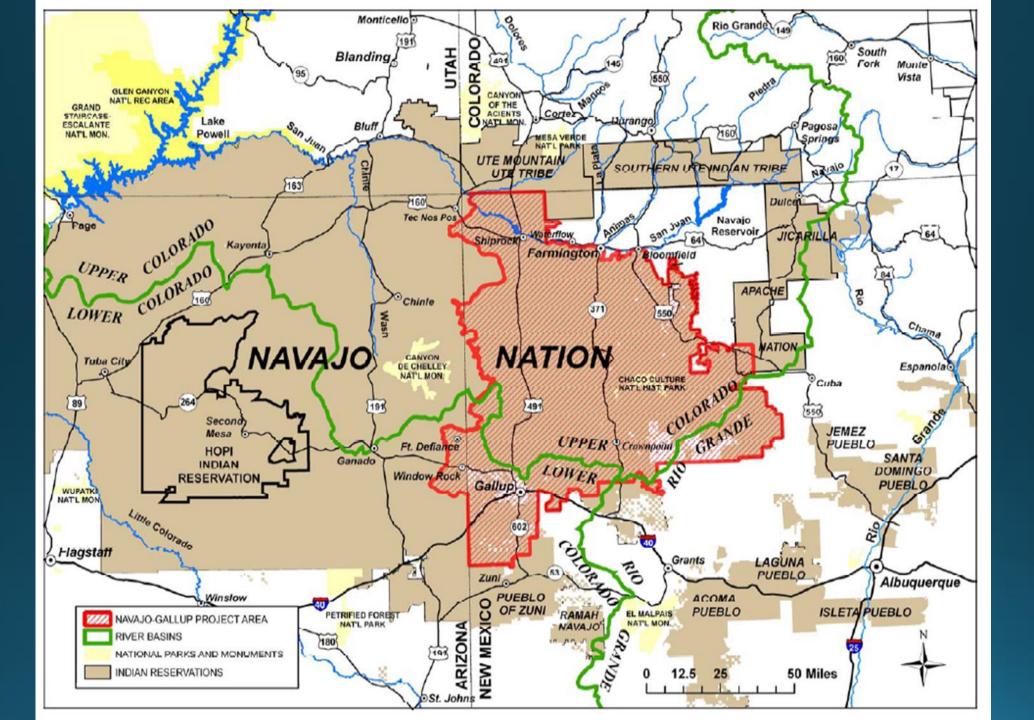


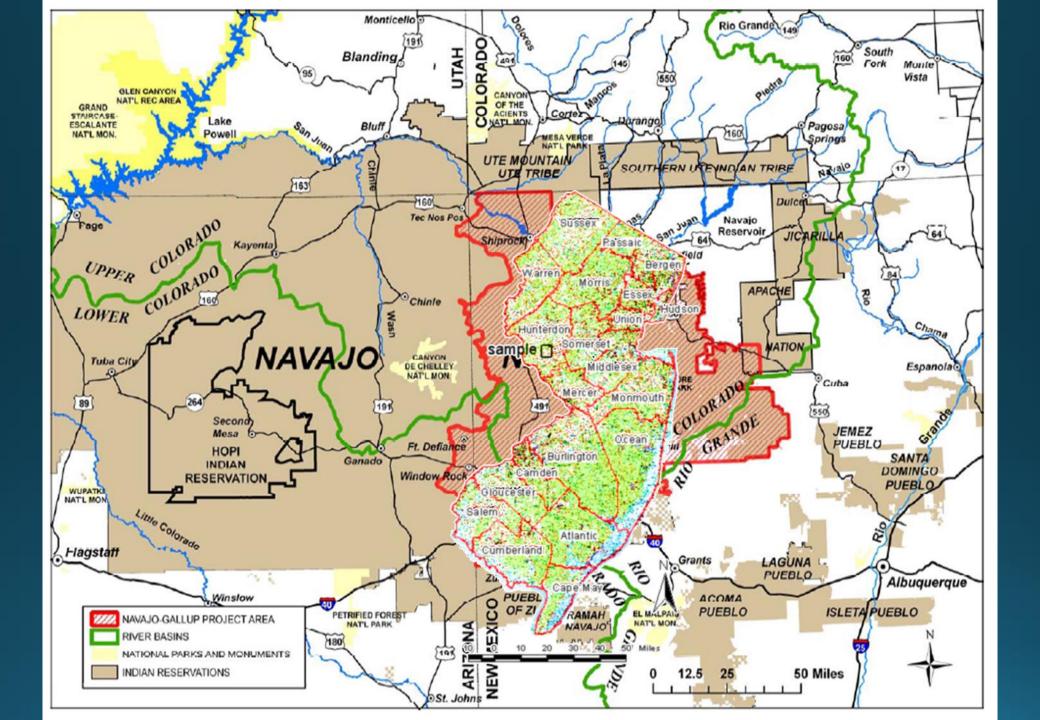
Water Supply

Entity	Water Allocation (Acre- Feet)
Navajo Nation	27,193
Jicarilla Apache Nation	1,200
City of Gallup	7,500

Project Cost Breakdown

Item	Cost	Comment
NGWSP Total Project	\$1.135 Billion	October 2017 Update
San Juan Lateral	\$924,235,000	Reaches 1 through 12
Gallup Rural Navajo Water Supply Project (Gallup Regional Sys)	\$73,300,000 adjusted to \$61,216,826	Reaches 13 and 27 Cost adjusted for State of NM Payment/Credit
City of Gallup Cost Share	\$64,205,121	City required to pay 35% of allocated costs (Both Gallup Regional System and portions of San Juan Lateral and Water Treatment Plant)







Project Complexities

- Project features sized for future, projected demands
 - Storage (reservoirs, tanks)
 - Pumping Plants
 - Water Treatment Plants
 - Pipelines
- Operation and Maintenance
 - Demand = Customers = Revenue \$\$
 - Water quality
 - Switching from a GW to a SW Source



Connection Plans

Project Complexities - Funding

- Authorization Ceiling = \$870M (at 2007 price level)
- Latest Indexed Estimate = \$1.135B (at Oct 2017 price level)
- Sources of Funding
 - Discretionary (Appropriated) Funding
 - Mandatory Funding (PL 111-291)
 - NM Cost-Share (\$50M)
 - City of Gallup Cost Share (\$64M)







Project Complexities

- Facilities designed/constructed by others with Reclamation \$
 through Financial Assistance Agreements (FAA's)
 - Navajo Nation
 - City of Gallup
 - Indian Health Service
 - Western Area Power Administration









STATE PARK San Juan McKinley Some pumping plants in original FEIS design have been

Ongoing Design and Construction Via Financial Assistance Agreements (FAAs) with USBR Partners









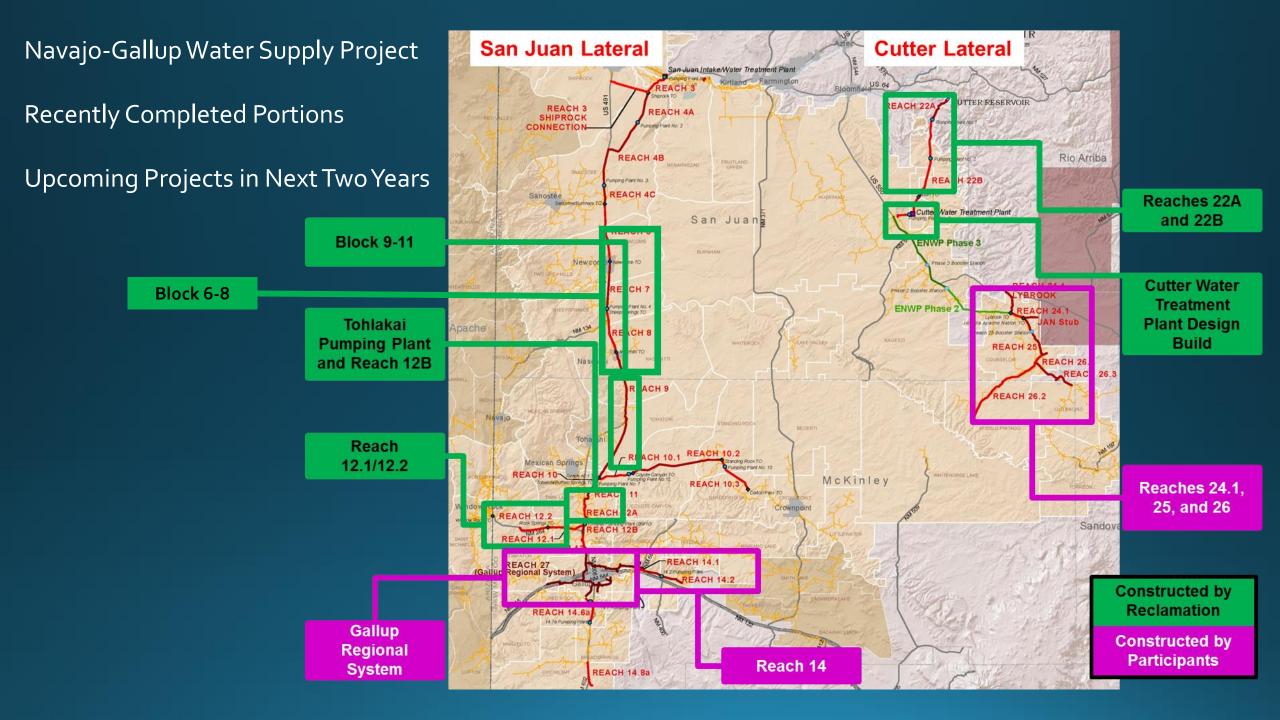
Construction Update



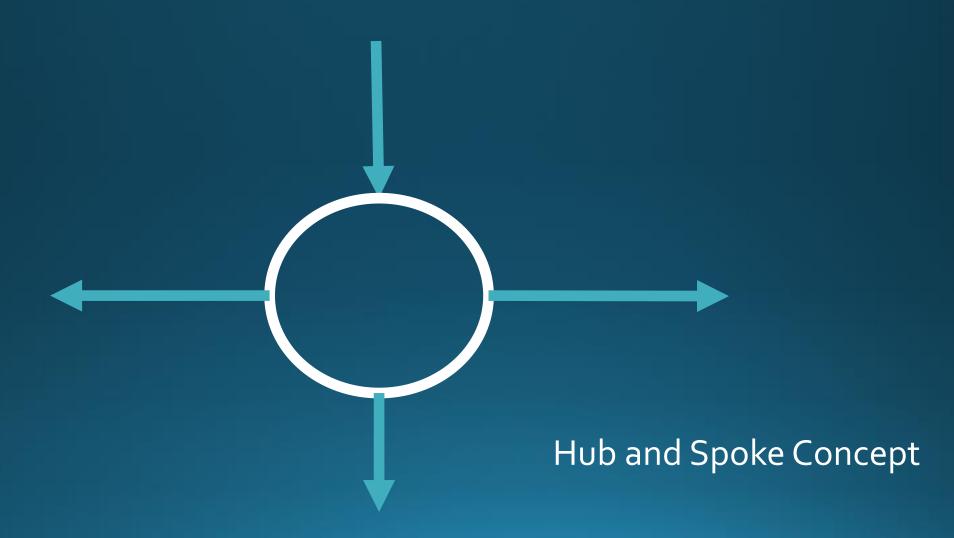


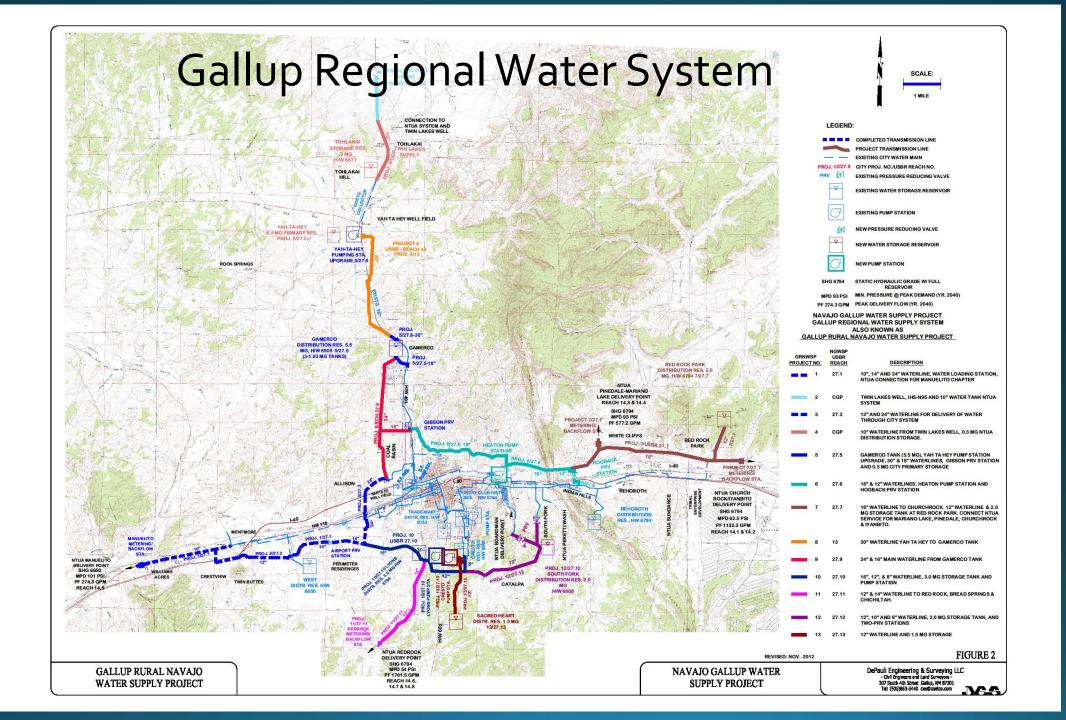


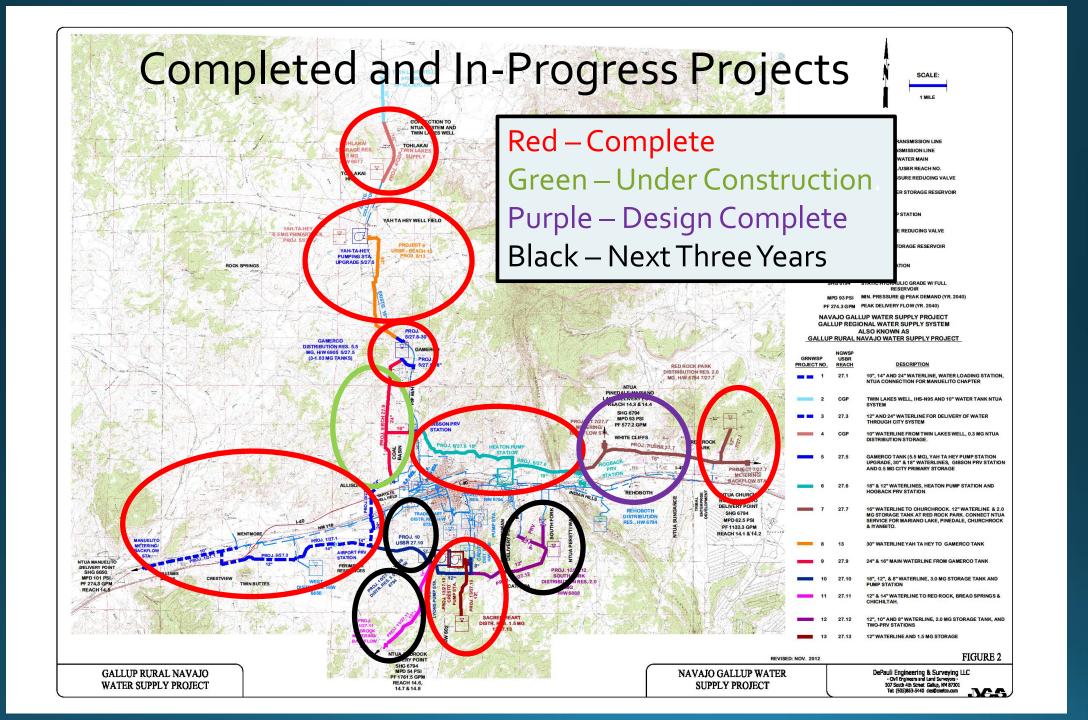


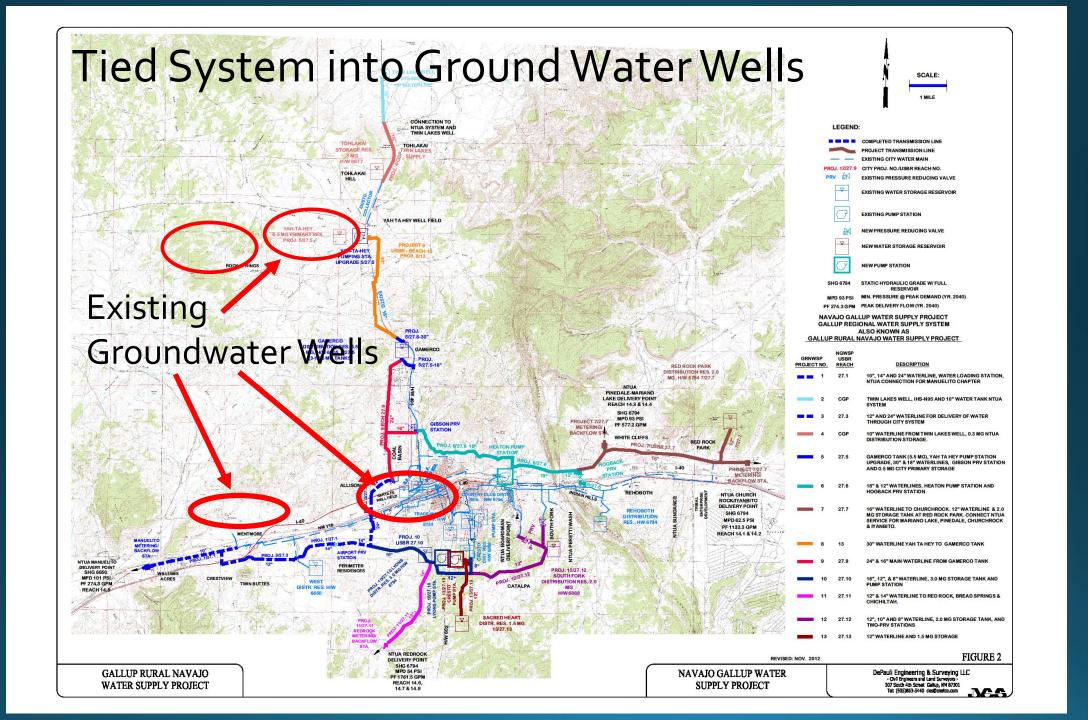


Gallup Regional Water System









Gallup Regional System Completed Projects

Reach	Award Date		Final Field Cost
27.1	January 2008		\$3,128,207
27.3	January 2010		\$2,262,237
27.5	September 2013		\$6,872,399
27.6	April 2018		\$7,638,362
27.7A	September 2017		\$3,216,912
27.13	September 2017		\$3,327,983
13	July 2014		\$5,836,694
		Totals	\$32,282,794

Construction Progress Photos

Block 9-11

3/8" pipe embedment material placement. Material is placed up to 7/10th of pipe O.D (48-inch pipe).

5/6/2019



Block 9-11 View of overall pipe construction (48-inch pipe)

3/12/2019



Block 9-11

Contractor applying wax-based cure at Sta 91188+00.

5/2/2019



Block 9-11

Inspection of 42-inch pipe to measure horizontal and vertical deflections.

5/9/2019



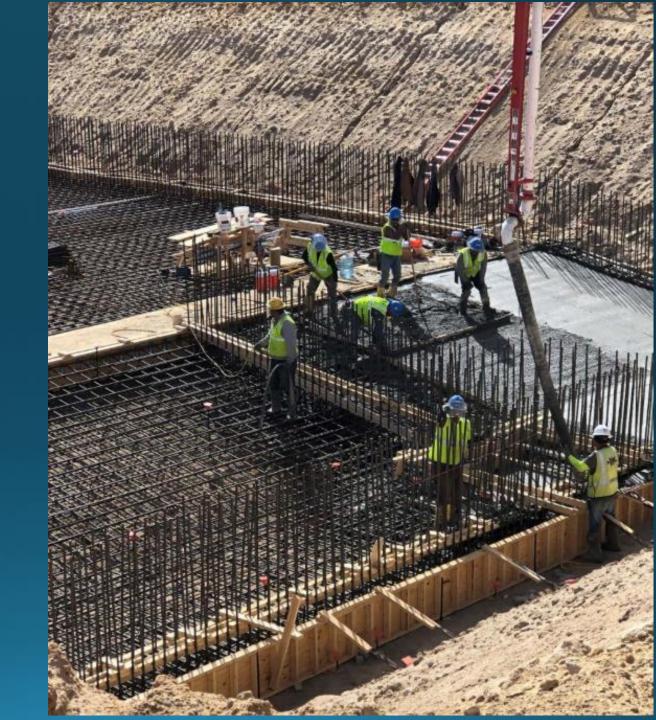
View of Cutter Water Treatment Plant site - 5/2/2019



Reach 21

Treated Water
Pump Station –
placing
concrete
foundation.

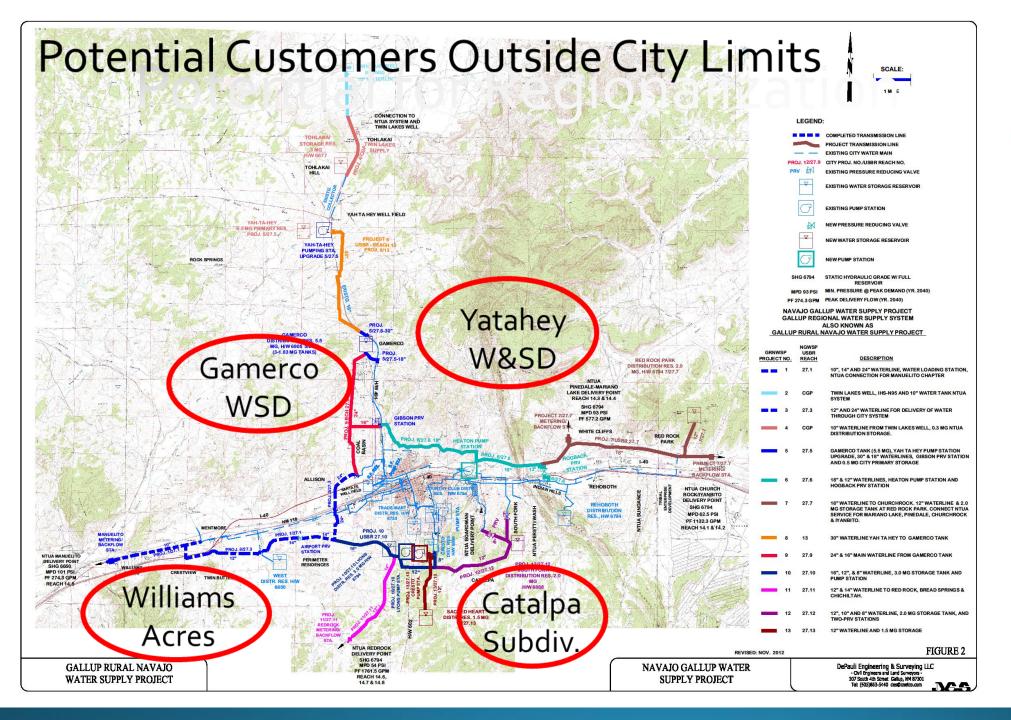
4/4/2019



Potential for Regionalization

CITY OF GALLUP

- McKinley County Contributions
 - \$1 million per year toward City of Gallup NGWSP Debt Service
- Question Pending
 - Will Organizations in Unincorporated McKinley County Stand Alone or Form Regional Organization?
 - Gamerco Water and Sanitation District
 - Willams Acres Water Co-op
 - Catalpa Hills Subdivision
 - Yatahey Water and Sanitation District
 - White Cliffs
 - Thoreau Waster and Sanitation District





McKinley County Comprehensive Plan

- Water Element Promote a regional "Water Commons" approach to water planning and development
- Strategies may include:
 - Update Region 6 Water Plan
 - Collaboration with City of Gallup, Navajo Nation and State of New Mexico
 - County Water Board Activation



McKinley County Water Board

- Development of an interim program to augment water supply and achieve conservation milestones, pending completion of NGWSP in 2024, in collaboration with regional partners
- Prioritization of County water infrastructure investments
- Coordination with NTUA, Indian Health Service, Bureau of Indian Affairs on the Navajo Reservation on planning for efficient and nonduplicative water system development and inter-ties

Regionalization Partners

- State of New Mexico
- Northwest New Mexico Council of Governments
- McKinley County
- City of Gallup
- Water and Sanitation Districts
- MDWCAs





Regionalization

- Decide on Approach
- Organize
- Path Forward
- Execute







Wrap-up

- Navajo-Gallup Water Supply Project is...
 - The construction of a pipeline to provide an M&I water supply
 - High priority project for the Department of Interior, State of New Mexico, Navajo Nation, Jicarilla Apache Nation and City of Gallup
 - Protecting and respecting natural and cultural resources
 - Providing economic development and job opportunities







References

- USBR Project Dashboard
 - https://www.usbr.gov/uc/rm/navajo/nav-gallup/
- Utton Transboundary Center 2013 Paper good background
 - http://uttoncenter.unm.edu/pdfs/Water-Matters-2013/Navajo-Gallup%20Water%20Supply%20Project%20.pdf
- Region 6 Water Plan
 - http://www.nwnmcog.com/regional-water-planning-region-6-water-plan.html
- McKinley County Comprehensive Plan
 - https://www.co.mckinley.nm.us/DocumentCenter/View/949/McKinley-County-Comprehensive-Plan-

A&O

