Navajo Nation Department of Water Resources

Technical, Construction and Operations Branch

“Safe Drinking Water Hauling Feasibility Study and Pilot Project”
Central Agency

DEPARTMENT OF WATER RESOURCES
Central Agency Windmill Locations
OPERATION SECTION

STAFF/VEHICLES
- 8 Full Time Employees
- 3 Permanent Vehicles

WORKLOAD
- 102 Windmills
- 80 Dugwell/Springs
- MFL - 15 Miles Canals, 20 Miles Laterals
- 200 Turnouts, & 2 Diversion
- Red Lake - 12 Miles Canals, 8 Miles Laterals
- 80 Turnouts, & 2 Diversions
- Granado - 8 Miles Piping, 5 Miles Laterals
- 60 Turnouts, & 2 Diversions

AREA
- Central Agency 1,041,649 Acres
- 14 Chapters
- 3 Districts

LEGEND
- Chapter house
- States
- Tribal wells
- Major roads
- Chinle agency
- Chinle Field Office
- 1232
- 1 Vehicle

SCALE
0 10 20 30 40 Miles

Arizona
New Mexico
Western Agency
Ft. Defiance Agency

DEPARTMENT OF WATER RESOURCES
Ft. Defiance Windmill Location
OPERATION SECTION

STAFF/Vehicles
13 Full Time Employees
5 Permanent Vehicles

Workload
Reservation Wide Clearances
Domestic Systems oversight (08)
196 Windmills
390 Dugwells/Springs
2 Community Water Systems

Area
Ft Defiance Agency 3,178,931 Acres
27 Chapters
4 Districts

Legend
Chapter house
Tribal wells
Major roads
New Mexico
Ft Defiance agency
Chapter boundary
Northern Agency
Eastern Agency
Safe Drinking Water Hauling Feasibility Study and Pilot Project

- Provide safe drinking water to approximately 4000 Navajo Residents who currently are not served by regulated water source.
  - 4,000 gallon water hauling trucks
  - Provide water containers
- Educate consumers of drinking water from unregulated water sources.
- Collect data of residents/consumers not served by regulated water system.
- Three year pilot project
- At the end of the Project
  - Data for stakeholders on Residents not served.
  - Educate users on the difference of regulated and non-regulated waters.
  - Model for continuum of program, contracting, local efforts, etc.
Timeline

- Submittal of Grant Application to U.S.E.P.A. Region IX
  - Drinking Water Infrastructure Tribal Set-Aside
- Award of Grant for $1,640,000 first year and $1,000,000 second year
- Currently, Section 164 Review for President’s Signature on Grant Agreement
- U.S.E.P.A and Navajo Nation sign Grant Agreement
- Funding transfers from USEPA to Navajo Nation
- Accounts Established
- Equipment Specification for five 4,000 gallon water hauling trucks and one service truck.
- Personal Classification Qualifications submittal and advertisement
  - Program Project Specialist
  - Accounts Maintenance Specialist
  - Senior Environment Technician
  - Equipment Operators
  - Senior Equipment Mechanic
Timeline Continue

- Orientation of new employees
- Establishment of Water Hauling Points
- Selection of Water Delivery areas
- Public Education
- Feasibility – Collection of Data
- Implementation of Services
  - Spring/Summer 2010
Key Stakeholders

- United States Environmental Project Agency Region IX
- Navajo Nation Department of Water Resources
- Navajo Environmental Projection Agency
- Others
  - Chapters, Local Utilities, Consumers, Tribal Programs, others.