Conjunctive Management Plan

- Protection of Local Resources: Groundwater will only be used as a back-up supply to the BDD.
- Reliability of Supply: Having diverse supply insures public welfare
- Acequia Protection: Plan affirms County Policy of protection of acequia water rights
- Optimization of Public Assets: The proposed multi-year rolling average reduces the purchase of water rights
Well Suitability Analysis

- Team Effort
- Mapped Based
- Allows for flexibility and ease of analysis
- Can be used as a template County wide
Factor 1: Favorable Hydrogeology

Geology Based

**High Suitability** = Tesuque Formation

**Moderate Suitability** = Pre-Cambrian Granite and Permian Limestone

**Low Suitability** = Espinaso or Galisteo Formations
Factor 2: Arsenic Contamination

Water Fair Data and NMBGMR Analysis

**High Suitability** = Less than MCL

**Moderate Suitability** = Within Margin of Error of MCL

**Low Suitability** = Exceeds MCL
Factor 3: Proximity to Major Water Lines

Ranks distance to major water lines

**High Suitability** = Less than 200 feet to water line

**Moderate Suitability** = 200 to 1000 feet to water line

**Low Suitability** = Greater than 1000 feet to water line
Factor 4: Pressure Zones

Ranks feasibility of well locations within utility pressure zones

**High Suitability** = Pressure Zones 1 - 6

**Moderate Suitability** = Pressure Zones 7 & 8

**Low Suitability** = Pressure Zones 9 - 11
Factor 5: Drainages

Ranks proximity to major drainages

**High Suitability** = Greater than 500 feet

**Moderate Suitability** = 100 to 500 feet

**Low Suitability** = Less than 100 feet
Factor 6: Springs

Ranks proximity to springs

**High Suitability** = Greater than ½ mile from spring

**Moderate Suitability** = 500 feet to ½ mile from spring

**Low Suitability** = Less than 500 feet from spring
Factor 7: Faults

Ranks proximity to known faults

**High Suitability** = Greater than 300 feet from fault

**Moderate Suitability** = 100 feet to 300 feet from fault

**Low Suitability** = Less than 100 feet from fault
Factor 8: Aquifer Decline

Ranks proximity to NMBGMR estimated aquifer decline

**High Suitability** = Greater than ½ mile

**Moderate Suitability** = 500 feet to ½ mile

**Low Suitability** = Less than 500 feet
Factor 9: Slope

Ranks Percent Grade

High Suitability = 0 to 15%

Moderate Suitability = 15 to 33%

Low Suitability = Greater than 33% grade
Factor 10: Distribution Potential

Ranks the ability to serve the utility within a 2000 foot buffer

**High Suitability** = Can serve all utility

**Moderate Suitability** = Can Serve portion of Utility

**Low Suitability** = Can not easily serve utility
Total: All Factors

All Factors were added together and grouped by natural jenks into 3 groups

**High Suitability** = Dark Orange

**Moderate Suitability** = Medium Orange

**Low Suitability** = Cream
Next Steps:

5 Public Hearing will be held to seek input

• Wednesday, September 23rd 6:00 pm to 8:00 pm at the Nancy Rodriguez Center (1 Prairie Dog Loop)

• Thursday, September 24th 6:00 pm to 8:00 pm at the Eldorado Senior Center (14 Avenida Torreon)

• Monday, September 28th 6:00 pm to 8:00 pm at the Rodeo Grounds Extension Office (3229 Rodeo Rd.)

• Tuesday, September 29th 6:00 pm to 8:00 pm at the Santa Fe County Edgewood Satellite Office (1916 Old US 66, Edgewood)

• Wednesday, September 30th 6:00 pm to 8:00 pm at the Pojoaque Satellite Office (West Gutierrez, Suite 9, Pojoaque Center)
Next Steps:

• The map based methodology will be finalized

• The top ranked areas will be evaluated for ability of land acquisition
  • County Property
  • Private Property with offers from Land Owners to acquire
  • Compile list of Property Owners to Contact

• Once Areas are estimated an analysis of nearby wells and cost will be preformed.

• Top Locations based on cost, time factors and estimated impacts to nearby wells will be presented to the BCC on October 27th, 2009