



Albuquerque Bernalillo County
Water Utility Authority

**Regional Water Plan
Recommendations
Update**

Water....Our Future

- ❖ **Water Conservation – both indoor (R1-3) and outdoor (R1-2)**
 - \$ 2.2 million for 5.8 million square feet of turf removed
 - More than 70,000 toilets, 16,000 showerheads, and 20,000 washing machines rebated
 - Retrofit on Resale Policy in 2010
- ❖ **Water Usage continues to decline (10.2.1)**
 - 250 gallons per person per day – 1995
 - 161 gallons per person per day – 2008
 - Water usage in 2009 about 2 billion gallons below target

Water....Our Future

- ❖ **Water Conservation Requirement of 155 gpcd by 2024
– goal is 150 gpcd by 2014**
- ❖ **Aquifer pumping reduced by 35% through conservation**
- ❖ **Drought management plan**
- ❖ **Urban Pricing (R1-5) – modified rate structure to target top 10-percent residential users by capping conservation average at 15 units and doubling surcharge at 300% and 400% usage and provided a 20% incentive for low water users**

Water....Our Future

❖ **Treated Effluent for Reuse (R1-7)**

- **North I-25 Industrial and Non-potable Surface Water Reuse** – provides about 2,000 acre-feet per year for large turf areas in northeast heights – Balloon Fiesta Park, Arroyo del Oso Park and Golf Course, parks and athletic fields
- **Southside Reuse Project** – to start construction in November 2009 – utilize 3,000 acre-feet per year of treated effluent for large turf areas in southeast heights and south valley
- **Future Bosque Reuse Facility** – reuse for large turf facilities on Westside
- **Future Tijeras Reuse Facility** – reuse for expansion in southeast heights

Water....Our Future

- ❖ **Conjunctive Use Management (R2-2)**
 - **Drinking Water Project – 25% this year, 50% next year and 100% in 2011**
 - **Reuse and Conservation**
 - **Aquifer Storage and Recovery**
- ❖ **Water Resources Planning – updated and adopted Water Resources Management Strategy in 2007 including Town Hall meeting**
 - **Water Budget Modeling**
 - **Conjunctive Water Resources Management - ASR**
 - **Reuse and Recycling**
 - **Linking land use and water policies**
 - **Water Conservation – new development requirement**

Water....Our Future

- ❖ **Land Use Management and Planning (R2-12)**
 - **Development Agreement required for growth**
 - **180 gallons per household per day for growth**
 - **No net expense and Water Supply Charge for growth**
 - **Land use plan required for growth**

- ❖ **Water Monitoring and Measurement (R3-1) – the Water Authority is required by permit to meter and measure all uses and reports to the State Engineer on a monthly basis**

Water....Our Future

- ❖ **Mitigate Septic Tank Impacts (R5-1) – \$130 million project to provide water and sewer in north and south valley – project almost complete**
- ❖ **Upstream Storage (R7-1) – provided 30,000 acre-feet of storage in Abiquiu for environmental purposes**
- ❖ **Aquifer Storage and Recovery (R7-3) – completed Bear Canyon project (about 1,000 acre-feet in two years) and moving towards Large Scale Project at the Water Treatment Plant (20,000 to 40,000 acre-feet)**
- ❖ **Desalination (R8-1) – working on plan to develop desalination, but as a stop gap measure because not sustainable**