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Canyon Road Water Treatment Plant and Reservoirs

- WTP Production = 3 mgd
 - Design capacity = 8 mgd
- Daily Inflow to Reservoirs = 0.456 mgd
- Reservoir Storage = 54.5%
 - Same date in 2002 = 27.1%
 - Will carry over about 30% for next year
- Total System Production = 6.17 mgd
 - Summer peak can reach 17 mgd























Critical Path Milestones

 Draft NEPA EIS for public review 	December 2004
 Complete NEPA EIS 	Dec 2005
 Contract Owner's Agent for Alt. 	Fall 2004
 Project Delivery Method 	
♦ County Cost sharing Agreements	Fall 2004
♦ Begin design/build	June 2005
♦ On line	Early 2008



Long-Range Water Supply Program

Purpose

- To identify projects (diversify portfolio) important to meeting demand in 2010 and beyond
 - These projects would be in addition to the Buckman Direct Diversion
 - Facility/supply-based plan <u>NOT</u> demand mngt.
- To develop an operations system simulation model (STELLA)
- Comprehensive public outreach and education program





Example Santa Fe Operational Model Decisions

- What should trigger Stage 2, 3, and 4 drought restrictions?
- Should we shut down the CRWTP each fall/when?
- Can we sustainably use existing supplies while meeting demands?
- How does corrosivity, water quality, and administrative constraints affect blending scenarios?
- What would we do in the event of a major component failure or continued drought?

Example Long Range Planning Decisions

- What is the appropriate balance between reliability & costs?
- Does the community support this alternative?
- How would additional SJC / Rio Grande rights support our long-range demands?
- How do new distant sources compare to return flow credits and increased Rio Grande diversions?

End Product: A Living "Tool" that The City Can Use as a Decision Framework

- Build on "Coarse Screening" results
- Tools <u>and</u> skills for City's ongoing use
- Institutionalized decision framework document decisions and rationales
- Repeatable methodology:
 - Objectives and "weighting" of preferences
 - Building-block approach to new supplies
 - Transparent, understandable evaluation method



Project Task Major Components & Activities							
Task 1: Water	♦ Construct model						
Systems Simulation	 Extend model for long-range options 						
Woder	 Documentation & training 						
<u>Task 2</u> : Prepare	 Refine objectives & performance measures 						
Long-Range Water	 Build on results of "Coarse Screening" 						
Supply Plan	 Create and evaluate alternatives 						
	 Implementation & funding strategies 						
	 PUC updates & Council study sessions 						
	◆ Report						
Task 3: Public	Public communication planning meeting						
Outreach &	 Public Agency Meeting 						
communications	 Public Communication Program 						
	 Public meetings (3) and Fact Sheets 						





















Long-Range Plan

Coarse Screening Options: Surface Diversions

SW1. Diversion at San Ildefonso Pueblo
SW2. Diversion at Caja del Rio
SW3. Diversion at Cochiti
SW4. Diversion at Peña Blanca
SW5. Diversion at Abiquiu
SW6. Expand Use of Buckman Diversion



Long-Range Plan

Coarse Screening Options: Reuse Reclaimed Water

RR1. Replace irrigation water

- **RR2. Use for potable demands**
- **RR3. Enhance surface supplies**
- **RR4.** Injection, storage & recovery
- **RR5. Restore Santa Fe River flow**



Public Outreach

Public Outreach and Communications Components

- Public Communications Program Plan
- Public Agency Meeting (9/20/04)
- Public Meetings & Approximate Timing:
 - #1: November 9, 2004 LRWSP Goals and Water Management Objectives
 - #2: Mid-2005 Alternatives development
 - #3: Late 2005 Long-Range Plan recommendations
- Three LRWSP project "fact sheets"

Project Communications

- LRWSP Email distribution list let us know if you're interested
- Public Meetings with Pre Meeting "Open House" at Public Meetings #2 and #3
- Fact sheets and other materials to be posted to City's web site: <u>www.santafenm.gov</u>
- City of Santa Fe Water Resources Projects Coordinators:
 - Rick Carpenter: 955-4206 or rrcarpenter@santafenm.gov
 - Claudia Borchert: 955-4203 or <u>ciborchert@santafenm.gov</u>

Overall I RWSP Schedule																			
			20	04			2005												
	J	A	s	0	N	D	J	F	м	A	М	J	J	A	s	0	N	D	
Notice to Proceed																			
Task 1: Comprehensive Water Systems Simulation Model																			
1.1 – Construct Model																			
1.2 – Extend Model for Long-Range Planning																			
1.3 – Documentation & Training																			
Task 2: Prepare Long-Range Water Supply Plan																		Γ	
2.1 – Define Objectives & Performance Measures																			
2.2 – Identify Water Supply Option Building Blocks																			
2.3 – Develop Conceptual-Level Descriptions																			
2.4 – Create Alternative Portfolios								-											
2.5 – Rank Alternatives																			
2.6 – Implementation and Funding Strategies																			
2.7 – PUC Presentations/Study Sessions					\blacklozenge			\blacklozenge			\blacklozenge			\blacklozenge					
2.8 – Prepare Final Report																			
Task 3: Public Outreach																			
3.1 – Public Communication Program Kick-Off			·																
3.2 – Stakeholder Workshop				·															
3.3 – Public Communications Program			-																
3.4 – Public Meetings Support																			



Water Rights Enhancements

- On-going
 - Initiating long-term lease (50 yrs) of San-Juan Chama Project water (Jicarilla Nation)
 - 3,000 AFY (used for offsets, exchange, ESA, diversion)
 - Engaged in discussions with entities for purchase of water rights for transfer into City Well Field
 - Engaged in discussions with entities for purchase of offsetting water rights for tributaries
 - Pursue purchase/lease of Middle Rio Grande water rights
 - Reservoir Storage Capacity

 Pursue storage agreements (City of Albuquerque, MRGCD, BoR)



