

WORKING DRAFT  
 JyS Water Planning Council Recommended Actions  
 November 10, 2004

JyS Water Plan Recommendations	Current Status	JyS Updated Recommendations	JyS Future Activities/Actions
<b>A. General</b>			<ul style="list-style-type: none"> <li>• Host annual public workshop</li> </ul>
1. Create advisory boards	<ul style="list-style-type: none"> <li>• Espanola Basin Water and Wastewater Steering Committee</li> </ul>		
2. Adjudicate water rights	<ul style="list-style-type: none"> <li>• OSE Active Water Resource Management in Nambe, Pojoaque, Tesuque basin; river master appointed</li> <li>• Aamodt negotiations</li> <li>• Santa Fe adjudication proceedings at OSE</li> <li>• Anaya adjudication proceedings at OSE</li> </ul>		<ul style="list-style-type: none"> <li>• Support OSE funding for adjudications</li> </ul>
<b>B. Protect existing supplies</b>	<ul style="list-style-type: none"> <li>• JyS Council members participate on Espanola Basin Technical Advisory Group (EBTAG)</li> </ul>		<ul style="list-style-type: none"> <li>• Continue EBTAG participation with enhanced sharing of information, identifying of information gaps, and pursuing funding as needed</li> <li>• Collaborate with the LANL Water Research Technical Assistance Office to promote hydrogeologic studies, information exchange, and educational outreach</li> <li>• Support OSE-USGS-NMBOGMR-Santa Fe County studies in process, incorporate new data</li> </ul>
1. Restore watersheds	<ul style="list-style-type: none"> <li>• Upper Santa Fe watershed project</li> <li>• Galisteo watershed project</li> <li>• Los Alamos National Laboratory watershed management</li> <li>• JyS submitted landscape water harvesting pre-proposal to Governor's Water Innovation Fund</li> <li>• NRCS project to thin Pinon-Juniper woodlands</li> <li>• Ongoing City/USACoE Watershed Study</li> </ul>		<ul style="list-style-type: none"> <li>• Hold JyS landscape water harvesting workshop</li> <li>• Monitor and evaluate forest and watershed initiatives and contribute as appropriate</li> </ul>
2. Manage storm water to enhance recharge	<ul style="list-style-type: none"> <li>• EPA requirements</li> <li>• Local entities with requirements               <ul style="list-style-type: none"> <li>○ Planned Santa Fe County</li> <li>○ City of Santa Fe</li> <li>○ El Vadito de los Cerrillos</li> <li>○ Los Alamos County</li> <li>○ State Land Office</li> </ul> </li> <li>• JyS submitted landscape water harvesting pre-proposal to Governor's Water Innovation Fund – final RFP prohibited funding workshops</li> </ul>		<ul style="list-style-type: none"> <li>• Hold JyS landscape water harvesting workshop</li> <li>• Promote water harvesting legislation</li> </ul>

**WORKING DRAFT**  
**JyS Water Planning Council Recommended Actions**  
**November 10, 2004**

<b>JyS Water Plan Recommendations</b>	<b>Current Status</b>	<b>JyS Updated Recommendations</b>	<b>JyS Future Activities/Actions</b>
3. Conduct pilot cloud seeding project	<ul style="list-style-type: none"> <li>• Cloud seeding proposal submitted to Governor's Water Innovation Fund by NMWMA</li> <li>• Implement project using Governors Water Innovation Funding or if this does not materialize pursue funding from legislature for JyS area cloud seeding pilot project and reach out to other nearby cities and counties</li> </ul>		<ul style="list-style-type: none"> <li>• Support NMWMA Cloud Seeding Project</li> </ul>
4. Pursue sustainable management of water resources through better understanding of hydrogeology	<ul style="list-style-type: none"> <li>• JyS Council members participate on EBTAG</li> <li>• Data compilation by SF County (ref: Steve Wust)</li> <li>• City of Santa Fe Enhanced Groundwater Model</li> <li>• OSE-USGS-NMBOGMR-Santa Fe County technical studies</li> </ul>		<ul style="list-style-type: none"> <li>• Continue EBTAG participation with enhanced sharing of information, identifying of information gaps, and pursuing funding as needed</li> </ul>
5. Evaluate establishing critical management areas (CMAs) to protect groundwater resources	<ul style="list-style-type: none"> <li>• OSE can establish CMAs (including critical stream reaches)</li> <li>• Cities and counties can establish CMAs</li> </ul>		<ul style="list-style-type: none"> <li>• Participate in Galisteo Basin CMA designation discussions</li> </ul>
6. Develop conjunctive use strategies	<ul style="list-style-type: none"> <li>• Local entities with plans               <ul style="list-style-type: none"> <li>○ Planned by City of Santa Fe</li> <li>○ Santa Fe County</li> <li>○ Eldorado</li> <li>○ El Vadito de los Cerrillos</li> <li>○ Cuatro Villa Mutual Domestic Water Users</li> <li>○ City and County of Santa Fe principles of agreement</li> </ul> </li> </ul>		<ul style="list-style-type: none"> <li>• Support conjunctive use strategies as appropriate</li> <li>• Evaluate JyS region plans for conjunctive use opportunities</li> <li>• Pursue B.1, B.2, B.7, and C.6</li> </ul>
7. Appropriate flood flows	<ul style="list-style-type: none"> <li>• County of Santa Fe application</li> </ul>		
8. Remove trace constituents to protect human health	<ul style="list-style-type: none"> <li>• Santa Fe County water fairs</li> <li>• NMED initiatives</li> <li>• City of Santa Fe ongoing well head treatment</li> </ul>		<ul style="list-style-type: none"> <li>• Pursue better JySWPC understanding (invite NMED to present at a Council meeting)</li> <li>• Evaluate regional solutions</li> <li>• Support &amp; coordinate with NMED initiatives</li> <li>• Put test results on web page</li> </ul>
9. Address septic tank water quality degradation	<ul style="list-style-type: none"> <li>• Santa Fe County water fairs</li> <li>• NMED Liquid Waste (Septic Tank) Program</li> </ul>		<ul style="list-style-type: none"> <li>• Pursue better JySWPC understanding (invite NMED to present at a Council meeting)</li> <li>• Evaluate regional solutions</li> <li>• Support &amp; coordinate with NMED initiatives</li> </ul>

WORKING DRAFT  
 JyS Water Planning Council Recommended Actions  
 November 10, 2004

JyS Water Plan Recommendations	Current Status	JyS Updated Recommendations	JyS Future Activities/Actions
10. Cleanup contaminated groundwater and surface water	<ul style="list-style-type: none"> <li>• City of Santa Fe, Alto Well</li> <li>• City of Santa Fe, Santa Fe Well</li> </ul>		<ul style="list-style-type: none"> <li>• Put test results on web page</li> <li>• Pursue better JySWPC understanding (invite NMED to present at a Council meeting)</li> <li>• Evaluate regional solutions</li> <li>• Support &amp; coordinate with NMED initiatives</li> <li>• Put test results on web page</li> </ul>
11. Continue funding programs to protect surface water and groundwater	<ul style="list-style-type: none"> <li>• Santa Fe County water fairs</li> <li>• Check NMED fiscal budgets</li> <li>• City of Santa Fe Wellhead Protection</li> </ul>		
12. Support restoration of stream reaches to their designated uses	<ul style="list-style-type: none"> <li>• EPA/NMED total maximum daily load (TMDL) program</li> <li>• Forest Guardian projects</li> <li>• First Nation restoration projects</li> </ul>		<ul style="list-style-type: none"> <li>• Pursue better JySWPC understanding (invite NMED to present at a Council meeting)</li> <li>• Evaluate regional solutions</li> <li>• Support &amp; coordinate with NMED initiatives (including TMDL program and 409 grants)</li> <li>• Put test results on web page</li> </ul>
<b>C. Improve system efficiency</b>			
1. Require wastewater reuse	<ul style="list-style-type: none"> <li>• JyS members participate on OSE WaterWise Group</li> <li>• NMED rulemaking on wastewater reuse</li> <li>• Wastewater is currently being reused by               <ul style="list-style-type: none"> <li>○ City of Santa Fe</li> <li>○ Hyde Park Water Users Association</li> <li>○ Las Campanas</li> <li>○ Los Alamos County</li> <li>○ Los Alamos National Laboratory</li> <li>○ Rancho Viejo</li> <li>○ Bishops Lodge</li> <li>○ Earthworks Institute</li> </ul> </li> </ul>		<ul style="list-style-type: none"> <li>• Hold JyS workshop to evaluate opportunities for wastewater reuse in the region</li> <li>• Collaborate with the LANL Water Research Technical Assistance Office to provide technical assistance to eligible candidates regarding reuse</li> <li>• Pursue blending of treated wastewater with potable water supplies</li> <li>• Invite NMED to present at a Council meeting on their wastewater reuse rulemaking</li> </ul>
2. Encourage rainwater collection	<ul style="list-style-type: none"> <li>• JyS members participate on OSE WaterWise Group</li> <li>• Santa Fe County harvesting ordinance passed (collection on new construction)</li> <li>• City of Santa Fe Rain Barrel Program</li> </ul>		<ul style="list-style-type: none"> <li>• Lobby local governments for water harvesting ordinances</li> <li>• Lobby industry to support water harvesting</li> <li>• Pass ordinances requiring rainwater collection</li> </ul>
3. Line ditches	<ul style="list-style-type: none"> <li>• The following have or are proposing/considering ditch lining projects</li> </ul>	<ul style="list-style-type: none"> <li>• Investigate opportunities of ditch lining where appropriate</li> </ul>	

**WORKING DRAFT**  
**JyS Water Planning Council Recommended Actions**  
**November 10, 2004**

<b>JyS Water Plan Recommendations</b>	<b>Current Status</b>	<b>JyS Updated Recommendations</b>	<b>JyS Future Activities/Actions</b>
	<ul style="list-style-type: none"> <li>○ Acequia del Cano</li> <li>○ Cuatro Villa Mutual Domestic Water Users Association</li> <li>○ Lower Cerro Gordo Ditch Association</li> <li>○ Acequia del Potiero/Chimayo</li> <li>○ Acequia Madre de Santa Fe</li> <li>○ NRCS</li> <li>○ Acequia del Potrero</li> </ul>		
4. Remove sediment in Santa Cruz Reservoir and Investigate Nambe Reservoir	<ul style="list-style-type: none"> <li>• Española is pursuing with assistance from the State Highway the removal of sediment deposited at the shallow southeastern end of Santa Cruz Reservoir</li> </ul>		
5. Repair leaks in water systems	<ul style="list-style-type: none"> <li>• Galisteo Mutual Domestic Water Association</li> <li>• City of Santa Fe Leak Detection Program</li> <li>• Los Alamos National Laboratory</li> </ul>	<ul style="list-style-type: none"> <li>• Encourage best management practices, require audits and repair as appropriate</li> </ul>	
6. Consider aquifer storage and recovery of excess water		<ul style="list-style-type: none"> <li>• Investigate opportunities – related to B.6</li> </ul>	<ul style="list-style-type: none"> <li>• Support the LANL Water Research Technical Assistance Office efforts to acquire funding for hydrogeologic studies to improve understanding of aquifer(s)</li> <li>• Support OSE_USGS-NMBOGMR ongoing studies (Note, aquifer properties are modest for ASR projects conducted elsewhere)</li> </ul>
7. Pursue increased storage capacity in Abiquiu Reservoir	City of Santa Fe ongoing discussions regarding storage in sediment pool	<ul style="list-style-type: none"> <li>• Investigate opportunities</li> </ul>	<ul style="list-style-type: none"> <li>• Support extension of Elephant Butte relinquishment agreement</li> </ul>
<b>D. Address Drought</b>			
1. Develop drought contingency plans	<ul style="list-style-type: none"> <li>• City of Santa Fe Water Budget Administration Office</li> <li>• City of Santa Fe Utility Demand Analysis</li> <li>• The following entities have drought management ordinances               <ul style="list-style-type: none"> <li>○ City of Santa Fe</li> <li>○ El Vadito de los Cerrillos Mutual Domestic Water Users</li> <li>○ La Vista Home Owners Association</li> <li>○ Santa Fe County</li> </ul> </li> <li>• The following entities have traditional sharing practices               <ul style="list-style-type: none"> <li>○ Pueblos</li> <li>○ Acequias</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Develop/implement drought management ordinances</li> </ul>	

WORKING DRAFT  
 JyS Water Planning Council Recommended Actions  
 November 10, 2004

JyS Water Plan Recommendations	Current Status	JyS Updated Recommendations	JyS Future Activities/Actions
	<ul style="list-style-type: none"> <li>• State DFA statute requiring drought plans to receive funding</li> </ul>		
<b>E. Reduce Projected Demand</b>			
1. Pursue water conservation	<ul style="list-style-type: none"> <li>• Plans required for entities larger than 500 by 2005 by OSE</li> <li>• City of Santa Fe water conservation ordinance</li> <li>• Santa Fe County water conservation ordinance</li> <li>• Santa Fe County restricts water use in new developments</li> <li>• City of Santa Fe is evaluating a water budget pilot</li> <li>• JyS members participate on OSE WaterWise Group</li> <li>• City of Santa Fe rate structure &amp; fines since 1997</li> <li>• Canoncito at Apache Canyon</li> <li>• La Puebla Community Well Association</li> <li>• Santa Fe County</li> <li>• Sunlit Hills of Santa Fe new rate structure</li> <li>• Sunrise Springs Resort</li> <li>• City of Santa Fe pilot individual residential water budget project</li> <li>• Los Alamos National Laboratory</li> </ul>	<ul style="list-style-type: none"> <li>• Develop water conservation plans</li> </ul>	<ul style="list-style-type: none"> <li>• Continue participation on OSE WaterWise Group</li> <li>• Develop strategy for promoting conservation</li> </ul>
2. Pursue growth management to reduce demand	<ul style="list-style-type: none"> <li>• The following plans exist or are being proposed               <ul style="list-style-type: none"> <li>○ City of Espanola</li> <li>○ Madrid Water Cooperative</li> <li>○ Rancho Galisteo</li> <li>○ Santa Fe County</li> <li>○ Cuatro Villa Domestic Water Users Association</li> <li>○ Santa Fe Regional Future Land Use and Growth Management Plan</li> <li>○ Acequia de Potiero/Chimayo</li> <li>○ Canoncito at Apache Canyon</li> <li>○ Eldorado</li> <li>○ Rancho de Galisteo</li> <li>○ San Marcos District Community Development Plan</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Hold JyS workshop to assess success of growth management</li> <li>• Change focus from reducing demand to managing demand growth</li> <li>• Promote smart growth ordinances</li> </ul>	<ul style="list-style-type: none"> <li>• Develop strategy for promoting growth management</li> </ul>

**WORKING DRAFT**  
**JyS Water Planning Council Recommended Actions**  
**November 10, 2004**

<b>JyS Water Plan Recommendations</b>	<b>Current Status</b>	<b>JyS Updated Recommendations</b>	<b>JyS Future Activities/Actions</b>
<b>F. Increase Water Supply</b>			
1. Utilize San Juan-Chama Project water as appropriate	<ul style="list-style-type: none"> <li>• The following are considering diversion projects               <ul style="list-style-type: none"> <li>○ Buckman Diversion Project</li> <li>○ Espanola</li> <li>○ Los Alamos County</li> </ul> </li> </ul>		
2. Transfer water rights through consensus process	<ul style="list-style-type: none"> <li>• JyS proposal to develop inventory/assessment of consensus transfers submitted to ISC</li> <li>• Santa Fe County and Las Campanas are currently pursuing water rights transfers</li> </ul>	<ul style="list-style-type: none"> <li>• Develop inventory/assessment of consensus transfers</li> <li>• Hold JyS workshop</li> </ul>	<ul style="list-style-type: none"> <li>• Develop strategy for promoting transfer of water rights through consensus process</li> </ul>
3. Limit use of domestic wells	<ul style="list-style-type: none"> <li>• The following restrict domestic wells in their service areas               <ul style="list-style-type: none"> <li>○ City of Santa Fe</li> <li>○ Santa Fe County</li> <li>○ La Vista Home Owners Association</li> <li>○ Madrid Water Cooperative</li> </ul> </li> <li>• OSE and NM Legislature have repeatedly considered more strict domestic well rules – rejected</li> <li>• City of Santa Fe and Santa Fe County can restrict further without State intervention</li> <li>• See B.5 CMAs</li> </ul>		<ul style="list-style-type: none"> <li>• Pursue legislation restricting domestic wells in areas of concern</li> </ul>
<b>G. Post JyS Water Plan Recommendations</b>			
1. Pursue education and transfer of information	<ul style="list-style-type: none"> <li>• JyS members participate on OSE WaterWise</li> <li>• JyS report card proposal submitted to ISC</li> <li>• Support LANL Water Research and Technical Assistance Office</li> <li>• JyS members have their education programs</li> </ul>		<ul style="list-style-type: none"> <li>• JyS members participate on OSE WaterWise Continue/enhance education efforts</li> <li>• Publish synoptic JyS gap matrix and response form in local newspapers</li> <li>• Pursue educational discussion programs on local radio</li> <li>• Support the LANL Water Research Technical Assistance Office activities to provide water resource information, data, and educational outreach</li> </ul>
2. Desalinate water	<ul style="list-style-type: none"> <li>• JyS submitted an investigation pre-proposal to the Governor’s Water Innovation Fund</li> <li>• Opportunities limited within Espanola Basin</li> </ul>	<ul style="list-style-type: none"> <li>• Assess opportunities</li> </ul>	
3. Trade water (geographical)	<ul style="list-style-type: none"> <li>• JyS submitted an investigation pre-</li> </ul>	<ul style="list-style-type: none"> <li>• Assess opportunities and obstacles with</li> </ul>	

**WORKING DRAFT**  
**JyS Water Planning Council Recommended Actions**  
**November 10, 2004**

<b>JyS Water Plan Recommendations</b>	<b>Current Status</b>	<b>JyS Updated Recommendations</b>	<b>JyS Future Activities/Actions</b>
arbitrage)	proposal to the Governor's Water Innovation Fund – final RFP prohibited funding workshops	respect to swapping and importing water into Region 3 <ul style="list-style-type: none"> <li>• Trade ideas must be informed by State administrative process</li> </ul>	
4. Treat produced water	<ul style="list-style-type: none"> <li>• JyS Technology Committee is exploring the possibilities possibly combined with a swap (geographical arbitrage)</li> <li>• Idea must be informed by State administrative process</li> </ul>	<ul style="list-style-type: none"> <li>• Opportunities limited within Espanola Basin</li> </ul>	<ul style="list-style-type: none"> <li>• Assess opportunities</li> </ul>
5. Investigate deep water	<ul style="list-style-type: none"> <li>• Santa Fe County submitted an investigation pre-proposal to the Governor's Water Innovation Fund</li> <li>• Santa Fe County-OSE deep well re-entry proposal yet to be funded</li> </ul>	<ul style="list-style-type: none"> <li>• Consider exempting deep water non-brackish water from OSE regulation to stimulate exploration</li> </ul>	<ul style="list-style-type: none"> <li>• Investigate opportunities</li> </ul>
6. Evaluate legislation	<ul style="list-style-type: none"> <li>• JyS members participate on Governor's Blue Ribbon Water Task Force</li> <li>• JyS has supported domestic well legislation</li> </ul>		<ul style="list-style-type: none"> <li>• JyS members participate on Governor's Blue Ribbon Water Task Force</li> <li>• Evaluate legislation during 2005 session and support or oppose legislation as appropriate</li> </ul>
7. Administrative			<ul style="list-style-type: none"> <li>• Develop recruitment policy and recruit new members as appropriate</li> <li>• Enhance JyS website</li> </ul>