

WORKING DRAFT
 JyS Water Planning Council Recommended Actions
 October 21, 2004

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

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	funding workshops		
3. Conduct pilot cloud seeding project	<ul style="list-style-type: none"> Cloud seeding proposal submitted to Governor's Water Innovation Fund by NMWMA 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 		<ul style="list-style-type: none"> Support NMWMA Cloud Seeding Project
4. Pursue sustainable management of water resources through better understanding of hydrogeology	<ul style="list-style-type: none"> JyS Council members participate on EBTAG Data compilation by SF County (ref: Steve Wust) City of Santa Fe Enhanced Groundwater Model OSE-USGS-NMBOGMR-Santa Fe County technical studies 		<ul style="list-style-type: none"> Continue EBTAG participation with enhanced sharing of information, identifying of information gaps, and pursuing funding as needed
5. Evaluate establishing critical management areas (CMAs) to protect groundwater resources	<ul style="list-style-type: none"> OSE can establish CMAs (including critical stream reaches) Cities and counties can establish CMAs 		<ul style="list-style-type: none"> Participate in Galisteo Basin CMA designation discussions
6. Develop conjunctive use strategies	<ul style="list-style-type: none"> Local entities with plans <ul style="list-style-type: none"> Planned by City of Santa Fe Santa Fe County Eldorado El Vadito de los Cerrillos Cuatro Villa Mutual Domestic Water Users City and County of Santa Fe principles of agreement 		<ul style="list-style-type: none"> Support conjunctive use strategies as appropriate Evaluate JyS region plans for conjunctive use opportunities Pursue B.1, B.2, B.7, and C.6
7. Appropriate flood flows	<ul style="list-style-type: none"> County of Santa Fe application 		
8. Remove trace constituents to protect human health	<ul style="list-style-type: none"> Santa Fe County water fairs NMED initiatives City of Santa Fe ongoing well head treatment 		<ul style="list-style-type: none"> Pursue better JySWPC understanding (invite NMED to present at a Council meeting) Evaluate regional solutions Support & coordinate with NMED initiatives Put test results on web page
9. Address septic tank water quality degradation	<ul style="list-style-type: none"> Santa Fe County water fairs NMED Liquid Waste (Septic Tank) Program 		<ul style="list-style-type: none"> Pursue better JySWPC understanding (invite NMED to present at a Council meeting) Evaluate regional solutions Support & coordinate with NMED initiatives Put test results on web page

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

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	○ Acequia del Potrero		
4. Remove sediment in Santa Cruz Reservoir and Investigate Nambe Reservoir	<ul style="list-style-type: none"> • Española is pursuing with assistance from the State Highway the removal of sediment deposited at the shallow southeastern end of Santa Cruz Reservoir 		
5. Repair leaks in water systems	<ul style="list-style-type: none"> • Galisteo Mutual Domestic Water Association • City of Santa Fe Leak Detection Program • Los Alamos National Laboratory 	<ul style="list-style-type: none"> • Require audits and repair as appropriate 	
6. Consider aquifer storage and recovery of excess water		<ul style="list-style-type: none"> • Investigate opportunities – related to B.6 	<ul style="list-style-type: none"> • Support the LANL Water Research Technical Assistance Office efforts to acquire funding for hydrogeologic studies to improve understanding of aquifer(s) • Support OSE_USGS-NMBOGMR ongoing studies (Note, aquifer properties are modest for ASR projects conducted elsewhere)
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"> • Investigate opportunities 	<ul style="list-style-type: none"> • Support extension of Elephant Butte relinquishment agreement
D. Address Drought			
1. Develop drought contingency plans	<ul style="list-style-type: none"> • City of Santa Fe Water Budget Administration Office • City of Santa Fe Utility Demand Analysis • The following entities have drought management ordinances <ul style="list-style-type: none"> ○ City of Santa Fe ○ El Vadito de los Cerrillos Mutual Domestic Water Users ○ La Vista Home Owners Association ○ Santa Fe County • The following entities have traditional sharing practices <ul style="list-style-type: none"> ○ Pueblos ○ Acequias • State DFA statute requiring drought plans to receive funding 	<ul style="list-style-type: none"> • Develop/implement drought management ordinances 	<ul style="list-style-type: none"> •
E. Reduce Projected Demand			
1. Pursue water conservation	<ul style="list-style-type: none"> • Plans required for entities larger than 500 by 2005 by OSE? • JyS members participate on OSE WaterWise Group • City of Santa Fe rate structure & fines since 1997 • Canoncito at Apache Canyon 	<ul style="list-style-type: none"> • Develop water conservation plans • Develop per capita domestic water budget, which preserves quality of life desired by residents 	<ul style="list-style-type: none"> • Continue participation on OSE WaterWise Group • Promote conservation ordinances

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	<ul style="list-style-type: none"> • La Puebla Community Well Association • Santa Fe County • Sunlit Hills of Santa Fe new rate structure • Sunrise Springs Resort • City of Santa Fe pilot individual residential water budget project • Los Alamos National Laboratory 		
2. Pursue growth management to reduce demand	<ul style="list-style-type: none"> • The following plans exist or are being proposed <ul style="list-style-type: none"> ○ City of Espanola ○ Madrid Water Cooperative ○ Rancho Galisteo ○ Santa Fe County ○ Cuatro Villa Domestic Water Users Association ○ Santa Fe Regional Future Land Use and Growth Management Plan ○ Acequia de Potiero/Chimayo ○ Canoncito at Apache Canyon ○ Eldorado ○ Rancho de Galisteo 		<ul style="list-style-type: none"> • Hold JyS workshop to assess success of growth management • Change focus from reducing demand to managing demand growth • Promote smart growth ordinances
F. Increase Water Supply			
1. Utilize San Juan-Chama Project water as appropriate	<ul style="list-style-type: none"> • The following are considering diversion projects <ul style="list-style-type: none"> ○ City of Santa Fe (EIS in Progress) ○ Santa Fe County ○ Espanola ○ Los Alamos County 		
2. Transfer water rights through consensus process	<ul style="list-style-type: none"> • JyS proposal to develop inventory/assessment of consensus transfers submitted to ISC • Santa Fe County and Las Campanas are currently pursuing water rights transfers 		<ul style="list-style-type: none"> • Develop inventory/assessment of consensus transfers • Hold JyS workshop
3. Limit use of domestic wells	<ul style="list-style-type: none"> • The following restrict domestic wells in their service areas <ul style="list-style-type: none"> ○ City of Santa Fe ○ Santa Fe County ○ La Vista Home Owners Association ○ Madrid Water Cooperative 		<ul style="list-style-type: none"> • Pursue legislation restricting domestic wells in areas of concern • OSE and NM Legislature have repeatedly considered more strict domestic well rules – rejected • City of Santa Fe and Santa Fe County can restrict further without State intervention
G. Post JyS Water Plan Recommendations			

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1. Pursue education and transfer of information	<ul style="list-style-type: none"> JyS members participate on OSE WaterWise JyS report card proposal submitted to ISC Support LANL Water Research and Technical Assistance Office JyS members have their education programs 		<ul style="list-style-type: none"> JyS members participate on OSE WaterWise Continue/enhance education efforts Publish synoptic JyS gap matrix and response form in Santa Fe New Mexican Educational discussion programs on KSFR Support the LANL Water Research Technical Assistance Office activities to provide water resource information, data, and educational outreach
2. Desalinate water	<ul style="list-style-type: none"> JyS submitted an investigation pre-proposal to the Governor's Water Innovation Fund 		<ul style="list-style-type: none"> Assess opportunities Opportunities limited within Espanola Basin
3. Trade water (geographical arbitrage)	<ul style="list-style-type: none"> JyS submitted an investigation pre-proposal to the Governor's Water Innovation Fund – final RFP prohibited funding workshops 		<ul style="list-style-type: none"> Assess opportunities and obstacles with respect to swapping and importing water into Region 3 Trade ideas must be informed by State administrative process
4. Treat produced water	<ul style="list-style-type: none"> JyS Technology Committee is exploring the possibilities possibly combined with a swap (geographical arbitrage) 		<ul style="list-style-type: none"> Assess opportunities As above ? – Opportunities limited within Espanola Basin and/or Idea must be informed by State administrative process
5. Investigate deep water	<ul style="list-style-type: none"> Santa Fe County submitted an investigation pre-proposal to the Governor's Water Innovation Fund 	<ul style="list-style-type: none"> Consider exempting deep water non-brackish water from OSE regulation to stimulate exploration 	<ul style="list-style-type: none"> Investigate opportunities Santa Fe County-OSE deep well reentry proposal yet to be funded
6. Pursue legislation	<ul style="list-style-type: none"> JyS members participate on Governor's Blue Ribbon Water Task Force JyS has supported domestic well legislation 		<ul style="list-style-type: none"> JyS members participate on Governor's Blue Ribbon Water Task Force Pursue needed legislation
7. Administrative			<ul style="list-style-type: none"> Elect new rotating chair Accept new members Enhance JyS website
H. Comprehensive Long-Range Water Supply Planning	<ul style="list-style-type: none"> City of Santa Fe Long-Range Water Supply Program and System Simulation Model <ul style="list-style-type: none"> Portfolios of new water supply options through 2050 Public communications program System simulation model for optimization of existing supply and infrastructure 		<ul style="list-style-type: none">