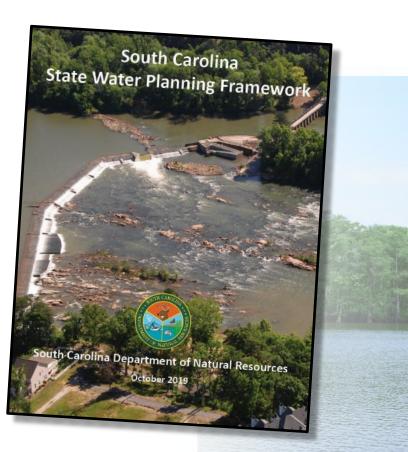
Update on Pee Dee Plan Development

Pee Dee River Basin Council

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Chapter Content

Background

-Planning Process

 Mission Statement, Vision, and Goals

-Public Participation

-Previous Water Planning Efforts

Chapter Content

- Physical Environment
 Climate
 Natural Resources
 - -Agricultural Resources
 - -Socioeconomic Environment

Review Expectations

- RBC review period is 3 weeks
- Chapter subcommittees and SCDNR has already provided feedback
- Review by RBC members should identify:
 - Missing information or concepts
 - Information or statements that would make RBC approval difficult
- Two ways to provide feedback
 - Use Adobe PDF mark-up tools and email chapter back
 - Type comments into an email

Chapter Content

-Surface Water Management Strategies

-Groundwater Management Strategies

For each strategy:

- Description
- Technical evaluation
- Feasibility
- Cost-benefit

Demand Strategies	Example Practices
Municipal Conservation	 Water loss control programs Low flow fixtures, toilets and appliances Pricing structures (ex. increasing block rates) Xeriscaping
Ag/Irrigation Conservation	 Water audits and center pivot sprinkler retrofits Dammer dikers Vendor-specific technology Cover cropping, conservation tillage, mulch Soil Moisture sensors/smart irrigation Crop selection Crop selection is market-driven Irrigation scheduling Needs to be done right to be effective Drip/Trickle irrigation (for select crops)

Demand Strategies	Example Practices
Industrial Conservation	 Water reuse and recycling Water efficient processes Water loss control Low flow fixtures, toilets, and appliances
Thermoelectric Conservation	 Solar power could offset need for more thermoelectric generation. But what are the net effects of clearing areas for solar farms? Reclaimed water Switch to combined-cycle natural gas Energy saving appliances (which reduces thermoelectric generation needs)

Supply Strategies

Example Practices

	New or Increased Storage	 New impoundments, ponds, reservoirs, tanks Dredging (pond deepening) Reservoir expansion (raising dam height) Aquifer storage and recovery
	Water Reclamation	 Water reuse systems (non-potable) Direct potable reuse Stormwater capture and treatment
Bro	Conjunctive Use	Using groundwater to augment surface water during low flow periods Is this economically feasible? Can surface water be used to intentionally recharge the aquifer?

Supply Strategies Example Practices

Conveyance	 Regional water systems Utility interconnections Interbasin transfers
Desalination	Treatment of brackish groundwater

Desalination of seawater

Potential Policy Recommendations that were Discussed in August

- A South Carolina / North Carolina water management group could be beneficial
- Additional monitoring and analysis of water issues in high-growth, coastal zones
- Regional planning and cooperation could help spread the workload for capacitylimited local governments
- Should drought management plans be required or encouraged for agriculture and industry?
- Update current municipal drought management plans

Thank you.

Questions?



Brown AND Caldwell