Climate Change & Water Resources Workgroup – ACWI

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President – GWPC
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Whiskey is for drinking; Water is for Fighting.
- not Mark Twain
“State agencies play a central role in water resources management and Some states have developed water resources management plans with strong climate adaptation elements while others have not. What incentives or practices should the Federal government adopt to promote wider development of climate resilient water management plans by States?”
GWPC 2016 Survey of States Regarding Water Resource Planning

Found no SINGLE (or even Two) main reasons for planning:
• Long term/serious droughts
• Significant flooding
• Endangered Species response
  • Includes habitat and ecological concerns
• Drinking water supplies
• Climate Change
Texas
- Regional planning/approval
- Local stakeholders/planning
- Available funding awarded via regional priorities

Nebraska
- Regional planning, stakeholder involvement
- State approval of plans
- Driven by drought, lawsuits, & State + Federal ESA agreements

Oklahoma
- Top down, state law
- Lots of public listening sessions, advisory groups
- Data, modeling, recommendations
Groundwater

High Plains Aquifer
Saturated Thickness, 1997

Map of US Aquifers

This map was produced by the University of Nebraska-Lincoln.
For additional information and an interactive version of this map visit http://water.unl.edu

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The information presented on this map is the best available as of July 2008. To order a copy of this map go to nebraskamaps.unl.edu. Any questions or comments
DON’T LEAVE GROUNDWATER OUT OF THE EQUATION!

Groundwater as a major source of drinking water

Groundwater as a HUGE source of Baseflow to Surface Water

https://water.usgs.gov/edu/wups.html

Chapter 11: Groundwater & Alternative Water Supplies

— Why Alternative Water Supplies Matter
— Adapting to Meet Future Demands
— Alternative Groundwater Resources
— Recommended Actions

Federal Government Assistance

Data, Tools, Re$ource$ for States - Modeling, Forecasts, Etc. --- for:

• Groundwater Desalination
• Stormwater Harvesting
• Aquifer Storage and Recovery
• Water Reuse
• DW & CWSRF Flexibility
Questions?

http://www.gwpc.org/resources/publications