

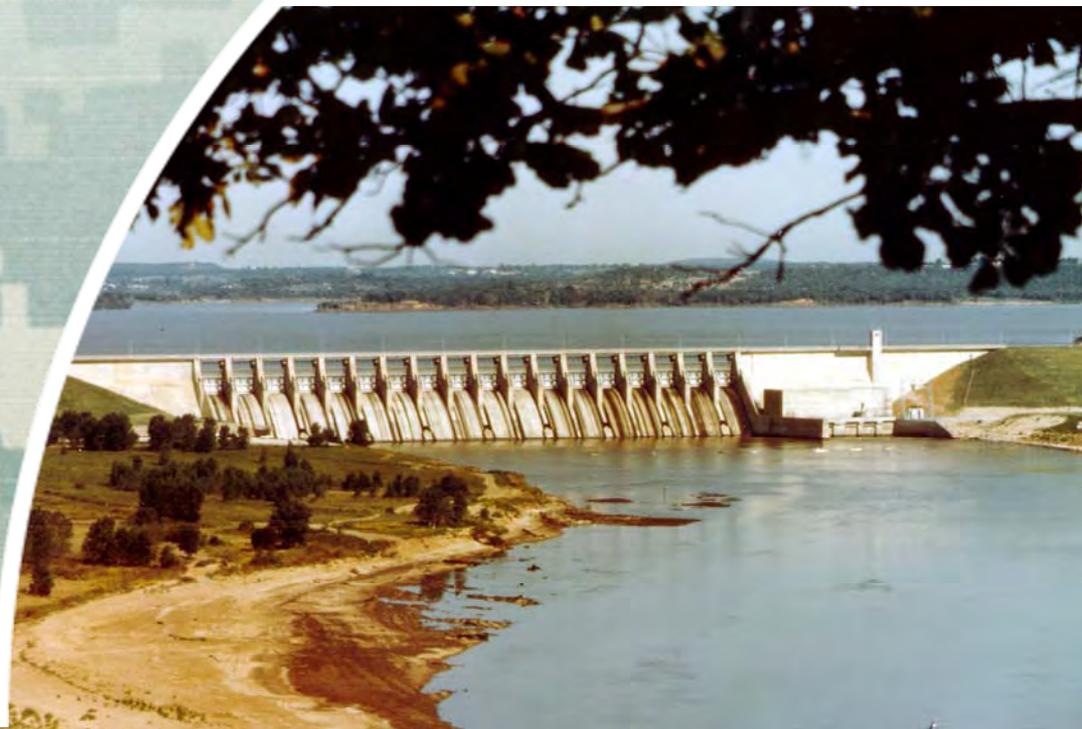
Oklahoma Governor's Water Conference

COL Anthony Funkhouser

District Commander

Tulsa District, US Army Corps of Engineers

3 NOV 09



US Army Corps of Engineers
BUILDING STRONG®

US Army Corps of Engineers

Mission: Provide vital public engineering services In peace and war to strengthen our Nation's security, energize the economy and reduce risks from disasters.



GOAL 1: Deliver USACE support to combat, stability and disaster operations through forward deployed and reach back capabilities.

GOAL 2: Deliver enduring and essential water resource solutions through collaboration with partners and stakeholders.

GOAL 3: Deliver innovative, resilient, sustainable solutions to the Armed Forces and the Nation.

GOAL 4: Build and cultivate a competent, disciplined, and resilient team equipped to deliver high quality solutions.



BUILDING STRONG®

Southwestern Division Civil Works Boundary

Flood Damage Reduction

- 90 Lakes
- More than 33M acre-feet of flood storage
- 760 miles of Local Flood Protection Projects
- \$53.8B cumulative damages prevented

Navigation

- 2 major waterways
- 4 of the Nation's top 10 ports
- 12 deep-water and 22 shallow-draft ports
- 1,458 miles of channels
- More than one-half billion tons of commerce shipped annually

Hydroelectric Power

- 18 power plants
- 8 non-Federal power plants at Corps dams
- 87% of hydropower capacity in region

Water Supply

- 7.7M acre-feet of storage for municipal, industrial and agricultural use

Recreation

- 11,400 miles of lake shoreline
- 1,172 recreation sites; 28,112 campsites
- 83.6M visits annually



Tulsa District Civil Works Boundary

Arkansas River Basin

Southern Kansas
Northern Oklahoma



Red River Basin

Southern Oklahoma
Northern Texas & Panhandle



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Tulsa District FY10 Funding

Program	President's Budget	Draft Conference Budget
Investigations	\$0	\$764,000
Construction	\$24,250,000	\$24,243,000
Operations & Maintenance	\$107,217,000	\$103,730,000

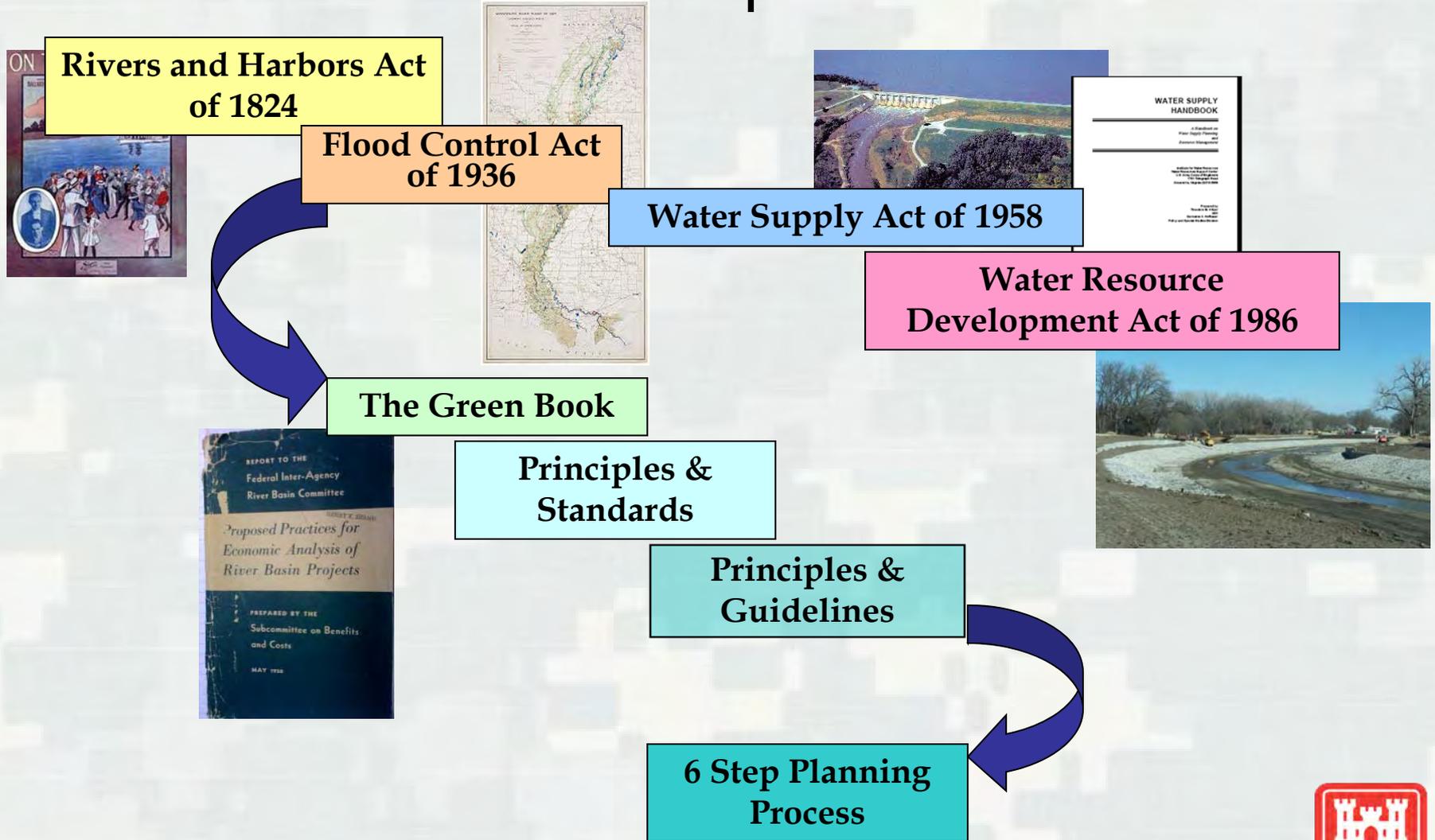


American Recovery and Reinvestment Act (ARRA)

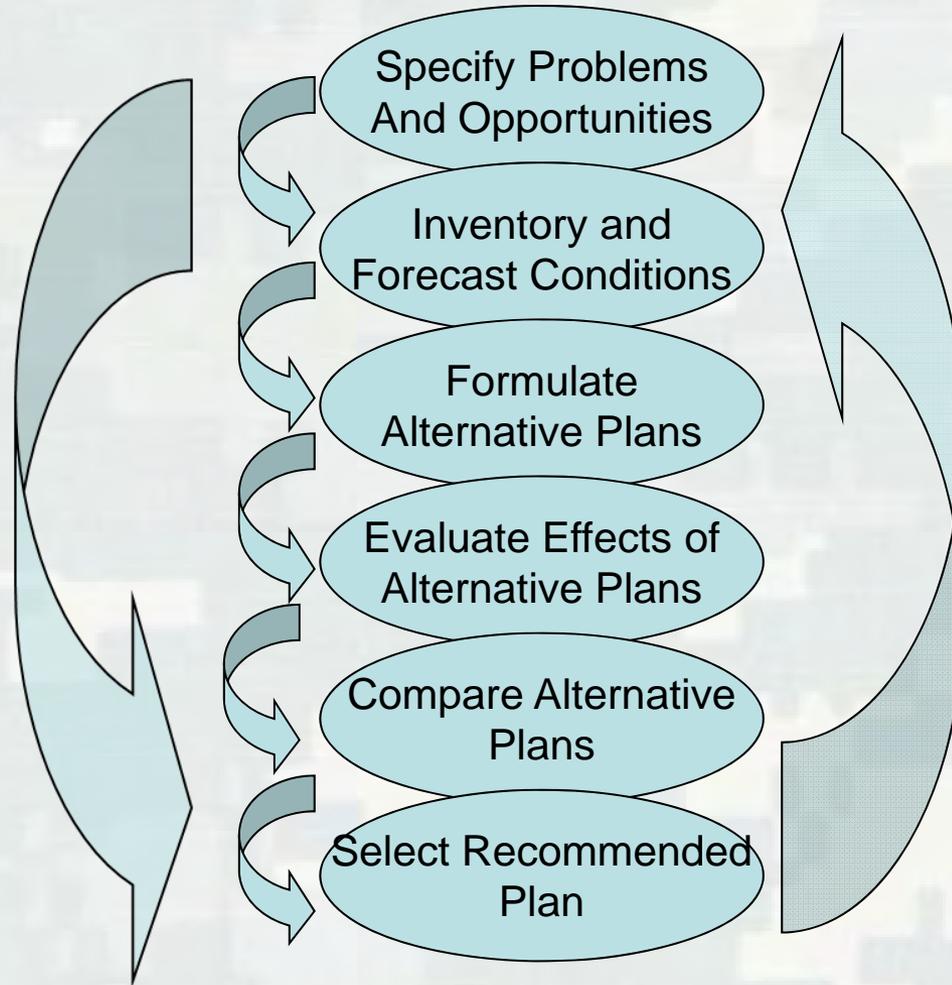
- Approximately \$78 Million in Tulsa District
- At all 22 Oklahoma Lakes and the McClellan-Kerr Arkansas River Navigation System
- Funding provided for prioritized maintenance items
- Construction funds for 4 projects



The Corps Role in Water Resources Development



The 6-Step Planning Process



Historic Model for Corps Planning

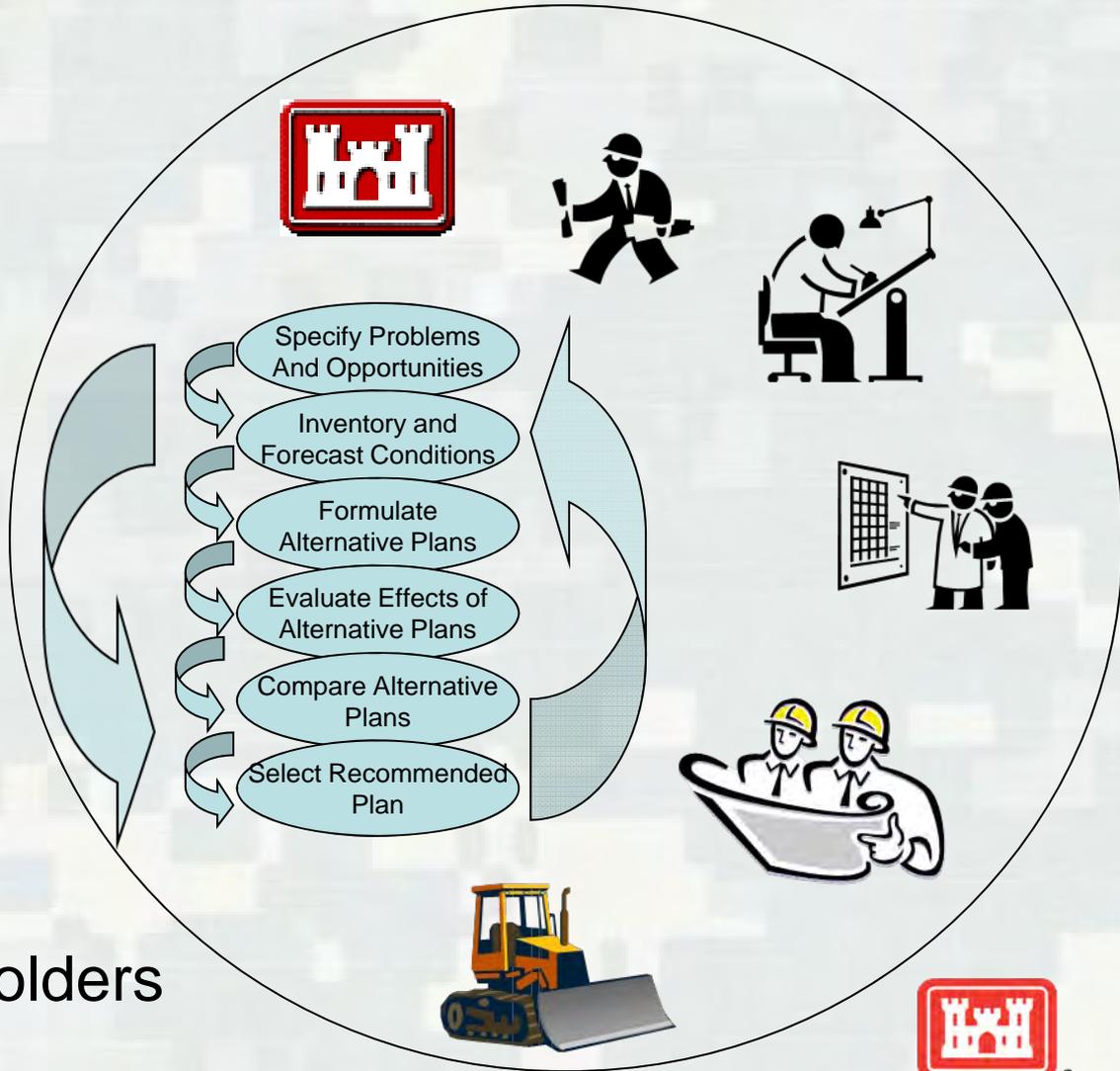


State Agencies

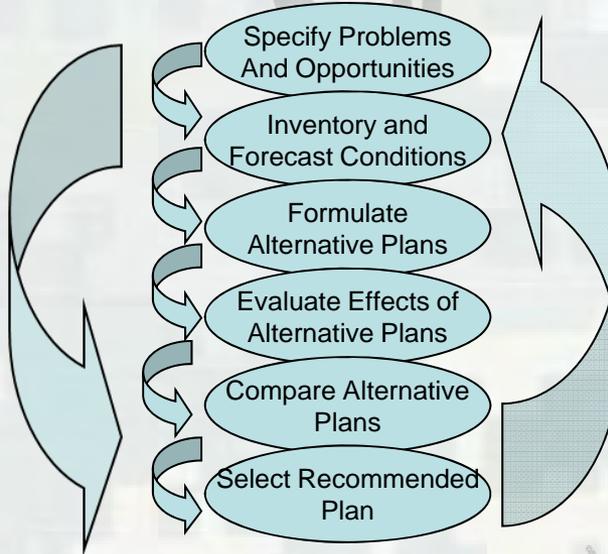
Cities

Counties

Other Stakeholders



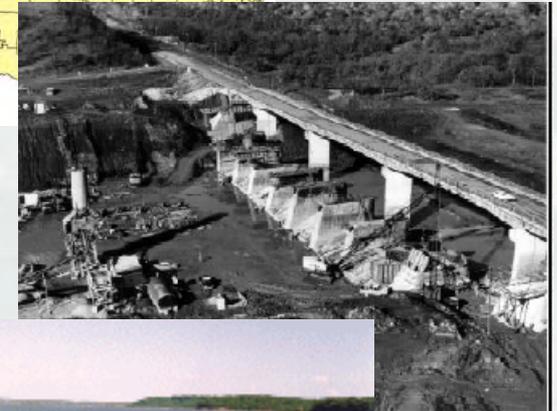
Current Model for Corps Planning



Historic Model for Corps Planning

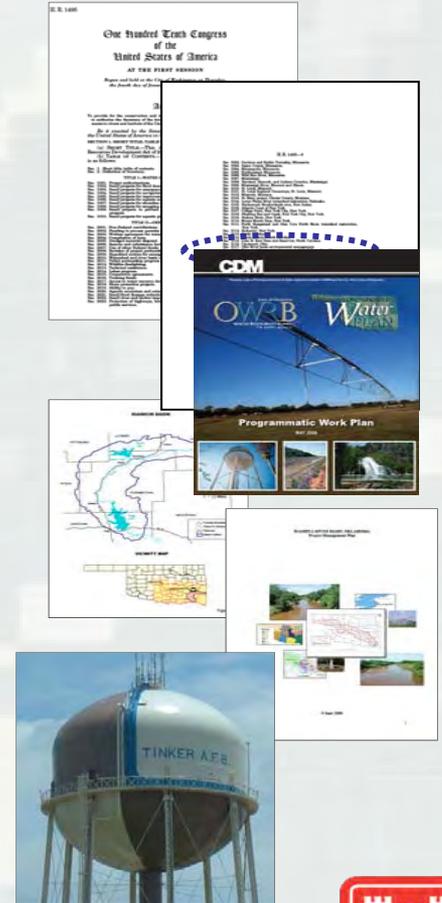
- Oologah Lake

- ▶ Authorized in 1938
- ▶ Construction initiated in 1950
- ▶ Provides
 - Flood Control
 - Water Supply
 - Navigation
 - Recreation
 - Fish & Wildlife



Tulsa District – Support to the OCWP

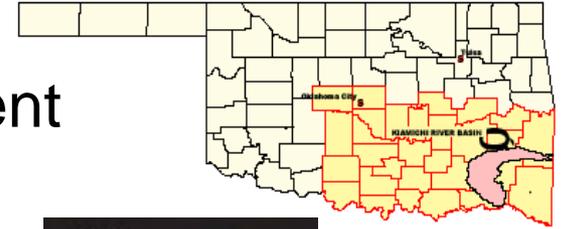
- Water Resources Development Act (WRDA) 2007
 - Sec 5119 - Statewide comprehensive planning
 - Section 219 projects
- Southeast Oklahoma Watershed Study
- Washita River Watershed Study
- Planning Assistance to States
- Coordinate military installation water requirements



Southeast Oklahoma Water Resources Study

- The study generally includes a 29 county area in southeast Oklahoma and is consistent with the PWP initiatives
- Includes consideration of physical, socio-economic, and institutional systems that interact with this area
- Information, findings and recommendations; collectively referred to as the Southeast Oklahoma Watershed Management Plan; will be integrated within various sections of the OCWP report

VICINITY MAP



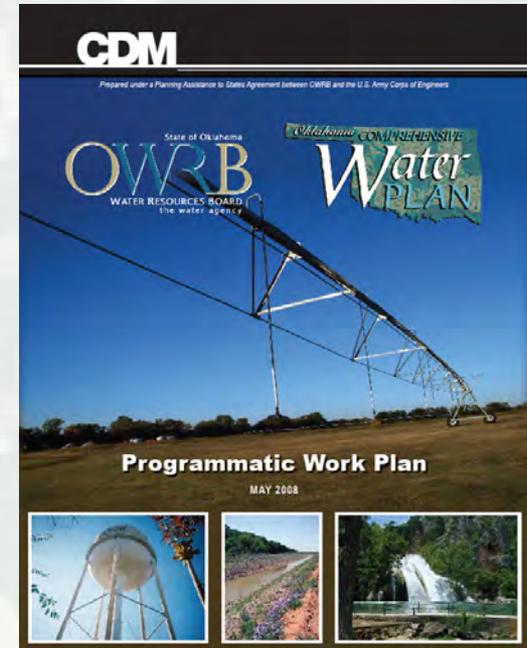
Washita River Basin Study

- The Study area generally includes the Washita River watershed and is consistent with the PWP initiatives
- Includes consideration of physical, socio-economic, and institutional systems that interact with this area
- Information, findings and recommendations; collectively referred to as the Washita River Watershed Management Plan; will be integrated within various sections of the OCWP report



Planning Assistance to States (PAS)

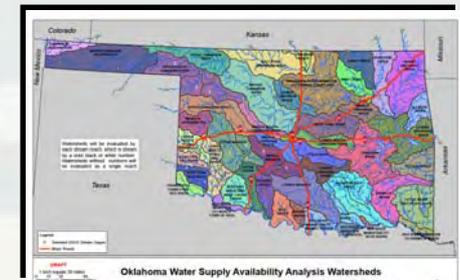
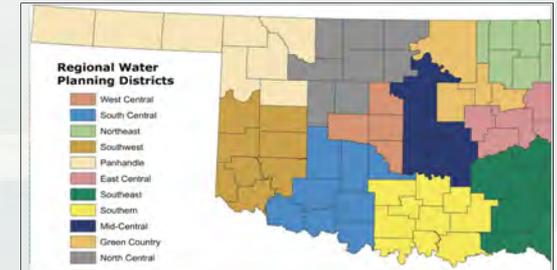
- Provides cost-shared federal funds and technical expertise for water and water-related land studies associated with the OCWP
- OCWP Programmatic Work Plan (PWP) completed in May 2008 (provides the road map for USACE support to OWRB)
- Various follow-on activities, associated with PWP tasks, under way



OWRB - Tulsa District Initiative

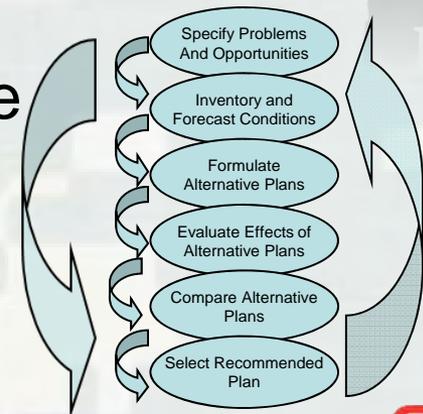
□ Best way to conduct water planning?

- Get away from piecemeal studies
- Develop system level plans with regional strategies
- Comprehensive studies tied to entire State and all water purposes (consumptive & non-consumptive)
- Provide mechanism for prioritization and continual updates (assessments)



How does OCWP fit the Corps' Planning Model?

- Collaborative Planning
 - ▶ Uses input from a broad range of sources
- Sponsor/Stakeholder Driven
 - ▶ Driven by State needs
- Holistic and Sustainable Solutions
 - ▶ Will identify long term and sustainable solutions
- Targeted Federal Funding
 - ▶ Will help identify smart investments



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