Oklahoma Governor’s Water Conference

COL Anthony Funkhouser
District Commander
Tulsa District, US Army Corps of Engineers
3 NOV 09
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.
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 FY10 Funding

<table>
<thead>
<tr>
<th>Program</th>
<th>President's Budget</th>
<th>Draft Conference Budget</th>
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<tbody>
<tr>
<td>Investigations</td>
<td>$0</td>
<td>$764,000</td>
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<tr>
<td>Construction</td>
<td>$24,250,000</td>
<td>$24,243,000</td>
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<tr>
<td>Operations &amp; Maintenance</td>
<td>$107,217,000</td>
<td>$103,730,000</td>
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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

- Rivers and Harbors Act of 1824
- Flood Control Act of 1936
- Water Supply Act of 1958
- The Green Book
- Principles & Standards
- Principles & Guidelines
- 6 Step Planning Process
The 6-Step Planning Process

1. Specify Problems and Opportunities
2. Inventory and Forecast Conditions
3. Formulate Alternative Plans
4. Evaluate Effects of Alternative Plans
5. Compare Alternative Plans
6. Select Recommended Plan
Historic Model for Corps Planning

State Agencies
Cities
Counties
Other Stakeholders

Specify Problems and Opportunities
Inventory and Forecast Conditions
Formulate Alternative Plans
Evaluate Effects of Alternative Plans
Compare Alternative Plans
Select Recommended Plan
Current Model for Corps Planning

Specify Problems And Opportunities
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Oologah Lake
- Authorized in 1938
- Constructed initiated in 1950
- Provides
  - Flood Control
  - Water Supply
  - Navigation
  - Recreation
  - Fish & Wildlife
Current Model for Corps Planning

- Oologah Lake Watershed Management Plan
  - Initiated in 2002
  - Sponsor: Tulsa Metropolitan Utility Authority
  - Stakeholders:
    - State Agencies in KS and OK: OWRB, KWO, OCC, KBS
    - Federal Agencies: USGS, NRCS, EPA, USFWS Service
    - Local Interests: Verdigris Basin Advisory Committee, WRAPs Groups
    - Local landowners
  - Purpose:
    - To work collaboratively to evaluate the watershed above Oologah Lake in an holistic manner; to develop a science-based watershed management plan for restoration that accounts for cumulative processes throughout the basin and identifies relevant roles of multiple agencies/stakeholders.
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
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
Tulsa District – Role in the OCWP

• Provide technical expertise and objective input with regard to State water resources now and for the future

• Provide federal funds through existing authorities to supplement state funds

• Provide input with regard to infrastructure projects
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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