Tulsa District

• Over 600 people

• Arkansas River and Red River Basins in Oklahoma, Southern Kansas and the Texas Panhandle

• Major Missions of the Corps of Engineers
  • War Fighting
  • Navigation
  • Flood Control (Flood Risk Management)
  • Military Construction
  • Regulatory/Environmental
  • Homeland Security
Arkansas River Basin
Southern Kansas
Northern Oklahoma

Red River Basin
Southern Oklahoma
Northern Texas & Panhandle
Maintaining a System Balance
Competing Water Resource Interests

Arkansas River Basin System

Water Supply Storage
Hydropower
Recreation
Navigation
Environmental and Fish & Wildlife
Flood Risk Management
Flood Risk Management

Tulsa District has flood risk reduction projects in two river systems.

- Arkansas River System
- Red River System

- Oklahoma Flood Damages Prevented for 2009: $262,000,000
- 27 Reservoirs in Oklahoma
- Numerous Levee Systems and Local Protection Projects.
- Lifetime Flood Damages Prevented in Oklahoma: $10.9 billion
Water Supply

- The Tulsa District is responsible for over 50% of all water supply contracts in the Corps of Engineers.
- Customers include States, municipalities, rural water districts, electric plants, conservation districts, irrigators and individuals.
- Tulsa District provides water supply to over 3 million people, amounting to over 6 billion gallons/year.
- 20 Projects within Oklahoma provide approximately 1.8 million acre-feet of storage for water supply needs.
- The goal: ensure that water will be available for use during all times including drought.
Corps works with Southwest Power Administration to operate 8 power plants in Oklahoma.
Total generating capacity 584,000 kilowatts.
Produces an average of 1,800,000,000 kilowatt hours annually.
Enough power for approximately 165,000 homes.
Average annual value of approximately $162 M.
Clean renewable energy w/o fossil fuels.
The McClellan-Kerr Arkansas River Navigation System was completed in 1971.

Commerce on the system directly employees over 4,000 people in Oklahoma.

Generates a payroll of approximately $85 million annually.

One barge can move as much as 15 rail cars or 60 tractor-trailer trucks.

An average of 13 million tons of cargo is transported annually.
MV Mississippi and Mississippi River Commission.
Environmental

- Reservoir Operations
  - Fish and Waterfowl Considerations
  - Endangered Species
  - Least Tern Monitoring Program
  - Close Coordination with State and Federal Resource Agencies
- Regulatory Functions
- Ecosystem and Aquatic Ecosystem Restoration
Recreation

- 250 Tulsa District parks; nearly 7,000 campsites and more than 250 boat ramps.
- 70 improved swimming beaches.
- Almost 150 Tulsa District parks operated by other agencies and local government.

- 2009 Visitation at District Lakes
  - Total Visitors: 26,118,635
  - In Oklahoma: 23,543,652
  - At Tenkiller Lake: 3,081,953
  - At Lake Eufaula: 3,127,725
Dam and Levee Safety Programs

• Areas of Focus.
  - Canton Lake
  - Keystone Lake
  - Pine Creek
  - Birch

• On-going monitoring of existing dams and levees
Reservoir Sustainability

- Maintaining Infrastructure
  - Ageing Infrastructure
  - Funding Challenges
- Sedimentation & Nutrient Loading
  - Watershed Activity
  - Impacts All Project Purposes
  - Future Directions
- Best Uses of Storage
  - Reallocation
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
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
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