

**U.S. ARMY CORPS OF ENGINEERS
ALBUQUERQUE DISTRICT
OPERATIONS DIVISION
BUSINESS OPEN HOUSE
APRIL 2021**

**REG BOURGEOIS
CHIEF, TECH SUPPORT BRANCH**



US Army Corps
of Engineers®



U.S. ARMY

YOUTUBE – WHAT IS THE CORPS?



File Name



US Army Corps
of Engineers®





Largest Public Engineering
Firm in the Nation

United States Army Corps of Engineers

The Nation's Engineers



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The United States Army Corps of Engineers (USACE) is a federal agency under the Department of Defense (DoD) that primarily oversees dams, canals and flood protection in the United States, as well as a wide range of public works throughout the world. The Corps of Engineers is a major Army command made up of some **37,000 civilian** and military personnel delivering engineering services to customers in more than **130 countries worldwide**, making it one of the world's largest public engineering, design, and construction management agencies. Through some of its dams, reservoirs, and flood control projects, the Corps of Engineers also provides outdoor recreation opportunities to the public. Its hydroelectric projects provide 24% of U.S. hydropower capacity.

Mission

Deliver vital public and military engineering services; partnering in peace and war to strengthen our Nation's security, energize the economy and reduce risks from disasters.

Vision

Engineering solutions for our Nation's toughest challenges.



United States Army Corps of Engineers

The Nation's Engineers



The U.S. Army Corps of Engineers is organized geographically into eight permanent divisions, one provisional division, two provisional districts, and one research command reporting directly to the HQ. Within each division, there are several districts, a total of 47 Districts are defined by watershed boundaries for civil works projects and by political boundaries for military projects.



USACE Mission Areas

Military Programs

- Military Construction
- COCOM Support ,Overseas Contingency Opns (OCO)
- Installation, Environmental, Energy and Sustainability



Civil Works

- Navigation, Hydropower
- Flood Control, Coast Protect
- Water Supply, Regulatory
- Recreation, Disaster Response
- Environmental Restoration



Homeland Security

- Critical Infrastructure
- Anti-terrorism Plans
- Intelligence
- Facility Security Partnerships
- Emergency Operations



International & Interagency Support

- Federal
- State
- Local
- International
- Foreign Military Sales



USACE Has a Globally Diverse Mission Set Driven by Diverse Customers in Support of the DoD and the Nation

Research & Development

- Warfighter
- Installations & Energy
- Environment ,Water Resources



Real Estate

- Acquire, Manage and Dispose
- DoD Recruiting Facilities
- Contingency Operations



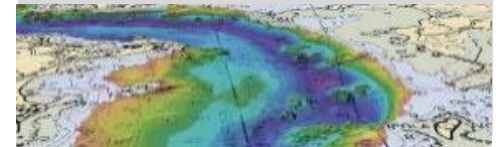
Regulatory

- Regulate Waters of the U.S.
- Section 404 & 10 Programs
- Nationwide Permits



Geospatial Support

- Common Operating Picture
- Support to Civil Works/Military
- Support to Emergency Ops



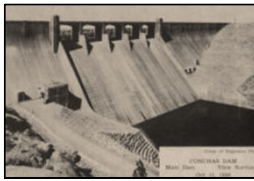


Albuquerque District

A Brief History



CPT Hans Kramer
1st District Engineer
1935 –1939



1935

The Tucumcari Engineer District was established in 1935 during the Great Depression to construct Conchas Dam.

1939

Upon completion of Conchas Dam, John Martin Dam at Caddo, CO became the focal point for the District, which was renamed the Caddo District in 1939.

1942

District Headquarters transferred to Albuquerque, NM, 1942

1945

Major contributor during World War II for top secret projects (Trinity test site, POW camps, Zia Project in Los Alamos)

1951

Cold War construction support to military installations in New Mexico

Present

District went on to construct seven additional operating reservoirs and now performs military, inter-agency, civil works, and regulatory missions in a tri-state area.



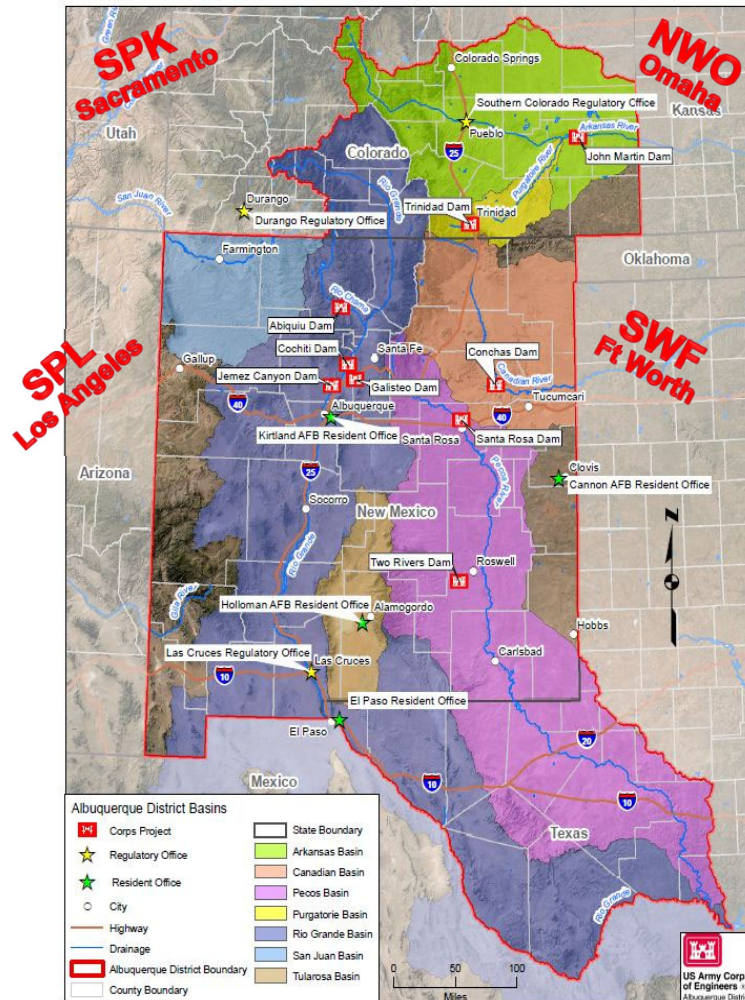
Albuquerque District



**Lieutenant Colonel
Patrick M. Stevens V**

**Commander and District Engineer
Albuquerque District**

360 Soldiers and Civilians

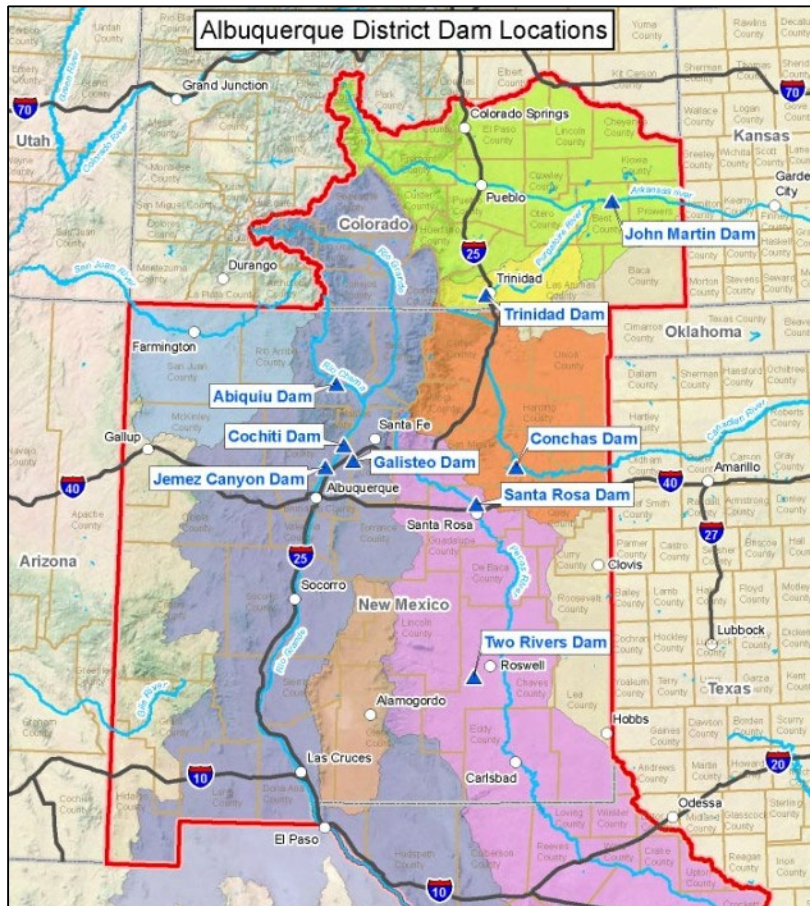


By the numbers

- Primarily serving 3 States (NM, CO, TX)
- 6 Senators; 10 Congressional Districts
- 360 MIL and CIV employees
- 3 Regulatory Field Offices
- Operate and maintain 9 dams and 4 USACE and 8 state campgrounds with 6.7 million visitor hours annually
- Support 3 major Air Force installations, Army Reserve, NM ARNG
- 4 Construction Resident Offices
- Partner with 23 federally recognized tribes
- Lead district for USACE Regulatory actions in CO and the Navajo Nation



ALBUQUERQUE DISTRICT Operations Division



- Flood control, recreation, and irrigation serving 3 States (NM, CO, TX)
- Operating and maintaining 9 dams and 4 USACE and 8 state campgrounds with 6.7 million visitor hours annually
- FY20 Budget approximately \$25M+
 - Operations, Maintenance and Construction
- 114 CIV employees
 - Support Staff
 - 6 Project Offices
 - 30+ Park Rangers (Recreation Season)
- Abiquiu – Rio Chama
- Trinidad – Purgatory
- John Martin – Arkansas
- Santa Rosa – Pecos
 - Two Rivers
- Cochiti – Rio Grande
 - Jemez Canyon
 - Galisteo
- Conchas – Canadian



USACE Albuquerque District Operations Division



**John Martin Dam,
Colorado, Stilling
Basin Dewatered**



Cochiti Dam, NM



Santa Rosa Dam & Lake, NM



**John Martin Dam,
Operating Gallery**



Abiquiu Dam, NM



Civil Works



SMART Planning

- Espanola Valley, Rio Grande and Tributaries, NM
- Middle Rio Grande Bernalillo to Belen, NM GRD
- Rio Grande Environmental Management Program, Isleta Pueblo to Sandia Pueblo, NM

Ecosystem Restoration

- Rio Grande Basin, NM, CO, TX
- Espanola Valley, Rio Grande and Tributaries, NM
- Middle Rio Grande Restoration, NM
- Rio Grande Environmental Management Program, Isleta Pueblo to Sandia Pueblo, NM

Flood Risk Management

- Middle Rio Grande Bernalillo to Belen, NM
- Keystone Dam, TX
- Alamogordo, NM
- Rio Grande Floodway San Acacia to Bosque del Apache, NM

Tribal

- Center of Expertise
- Tribal Strategic Engagement Plans
- Agency POC for FEMA for Tribal emergency response

Continuing Authorities Program

- Section 14 / Section 205 / Section 206 / Section 1135

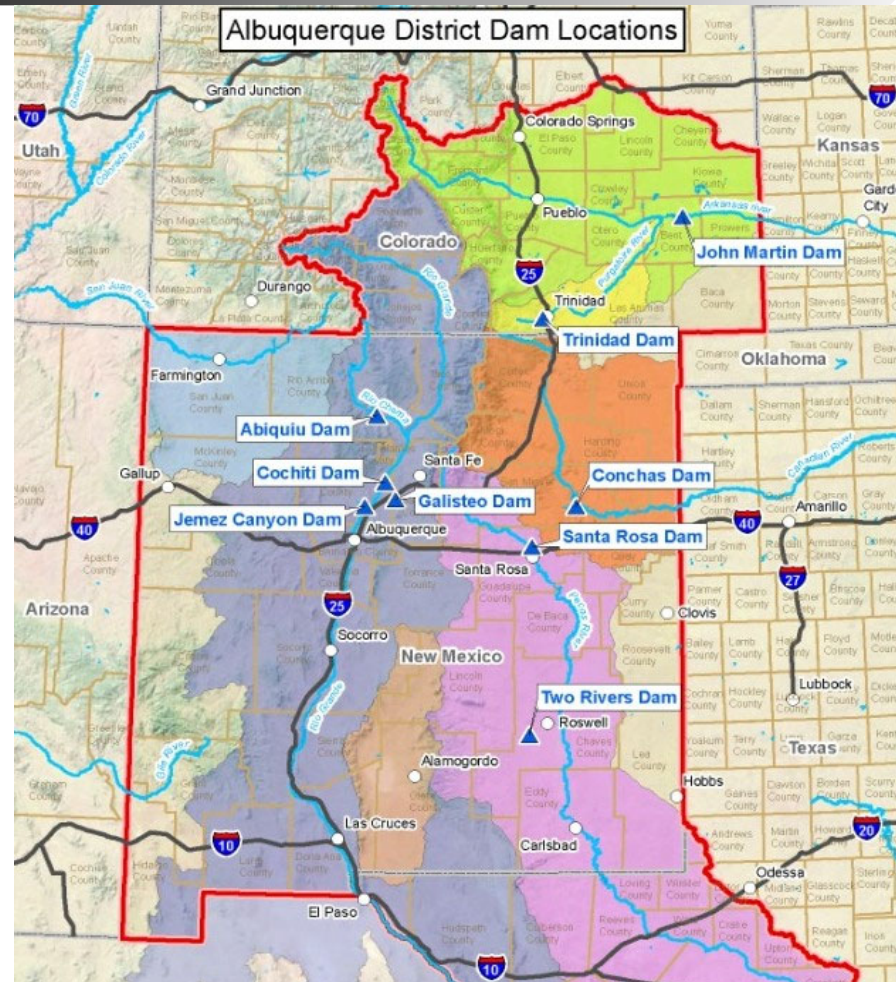
Environmental Infrastructure

- Acequias Irrigation System, NM
- El Paso County, TX

Operations Program Overview

**Albuquerque District
operates & maintains
seven dams in New
Mexico and two in
Colorado:**

**Abiquiu (NM)
Cochiti (Pena Blanca, NM)
Conchas (NM)
Galisteo (NM)
Jemez (NM)
Santa Rosa (NM)
Two Rivers (Roswell, NM)
John Martin (Hasty, CO)
Trinidad (CO)**



**US Army Corps
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Dam Maintenance



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Hydraulic Systems

Motor Rebuilds/Replace

Trash Rack Cleaning

Hydraulic Steel Structures

Sump Pumps

Riprap



Heavy Construction



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Paving

**Vegetation
Removal**

**Septic
Systems**

**Erosion
Control**

**Metal
Buildings**



Misc. Construction



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Generators

Solar Arrays

**Water Treatment &
Storage**

Campgrounds

**Elevator Maintenance
& Repairs**

Lead Paint Removal

Asbestos Abatement



Structure Maintenance



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Roofing

HVAC

Electrical

Stucco

Windows

Flooring

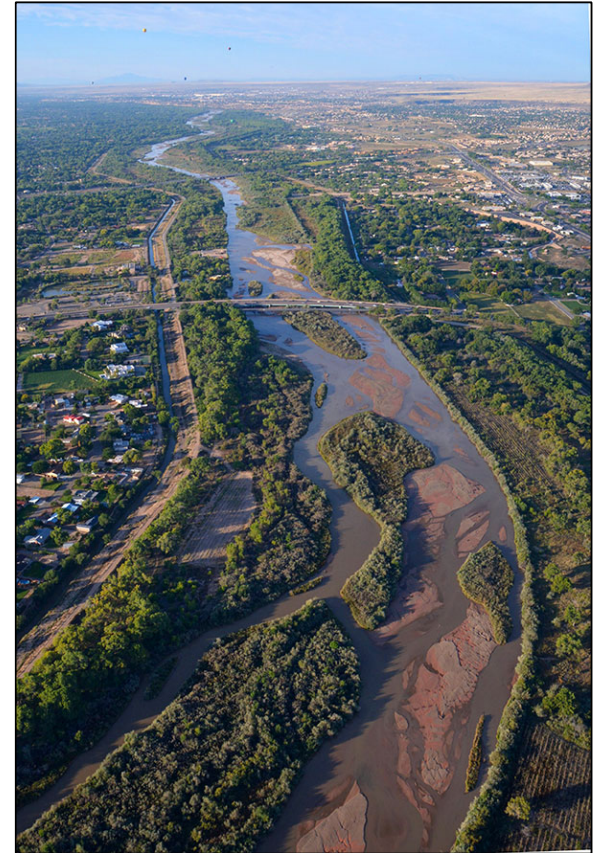
Painting



America's Engineers



BUILDING STRONG!



USACE ALBUQUERQUE DISTRICT CIVIL WORKS PROGRAM

SPA
Business Opportunity
Open House

14 April 2021



US Army Corps
of Engineers®





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CAP—AUTHORITIES USED AT SPA



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Federal Cost Limit (\$M) Project / Program

- | | |
|--|---------|
| <input type="checkbox"/> Section 14: Streambank and Shoreline Protection | 05 / 20 |
| <input type="checkbox"/> Section 204: Regional Sediment Management | 10 / 50 |
| <input type="checkbox"/> Section 205: Flood Risk Management | 10 / 55 |
| <input type="checkbox"/> Section 206: Aquatic Ecosystem Restoration | 10 / 50 |
| <input type="checkbox"/> Section 1135: Modifications to Projects for Improvement of the Environment | 10 / 40 |



CAP - OVERVIEW



Continuing Authorities Program (CAP) provides USACE with the authority to solve water-resource, flood-risk mitigation, and environmental restoration problems in partnership with local sponsors without the need to obtain specific Congressional authorization. CAP projects have two phases, a feasibility phase followed by a design and implementation phase.

Feasibility

- Development of alternative plans
- Cost estimates
- Environmental analysis
- Real estate assessments
- federally funded up to \$100,000

Design & Implementation

- Final design
- Preparation of contract plans
- Permitting
- Real-estate acquisition
- Project contracting and construction
- Activities required to implement the project

The non-federal sponsor cost share entails a contribution mix of **cash**, **lands**, **easements**, **rights-of-way**, **relocations** and **disposal areas** and/or **work-in-kind**. When a project is completed, continued operation and maintenance of the project is the responsibility of the non-federal sponsor.



ACEQUIA PROGRAM



- ❑ **AUTHORIZATION:** Section 1113 of Water Resources Develop WRDA 1986,
- ❑ **TYPE OF PROJECTS:** Rehabilitation and Preservation of NM Historic Irrigation Ditches (Acequia)
- ❑ **PROJECT PHASE:** Design and Construction
- ❑ **BACKGROUND:** The community irrigation ditch systems in New Mexico known as acequias provide irrigation water to about 160,000 acres on an estimated 12,000 farms and date from the eighteenth century. In 1986, Congress authorized the acequia program in WRDA to rehabilitate and preserve the acequias in NM due to their significance in the settlement and development of the western United States, has cultural and historic value to the region.



TRIBAL PARTNERSHIP PROGRAM (TPP)

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- ❑ **Corps Authority:** Section 203 of the Water Resources Development Act (WRDA) 2000, as amended.
- ❑ **Opportunity:** Through a partnership, a Tribal Government and the Corps address water resource issues on Tribal lands.
 - Water-related planning activities to study water resource issues
 - Study, design and construction of water resources projects.
 - Study, design and construct projects for the preservation of cultural resources or natural resources.



SECTION 219 – EL PASO COUNTY ENVIRONMENTAL INFRASTRUCTURE



- ☐ **AUTHORIZATION:** WRDA 1992, Section 219 and WRDA 2007, Section 5158
- ☐ **TYPE OF PROJECTS:** Environmental infrastructure
- ☐ **PROJECT PHASE:** Design/Construction Assistance
- ☐ **NON-FEDERAL SPONSOR:** County of El Paso, Texas

BACKGROUND:

- ☐ Through a partnership, a non-Federal sponsors on publicly owned projects and the Corps can address water resource issues in El Paso County, Texas. Assistance may be in the form of design and construction for water related environmental infrastructure and resource protection and development projects including projects for wastewater treatment and related facilities, water supply, storage, treatment, and distribution facilities. The program also allows for water related infrastructure and resource protection, including storm water management, and development projects.
- ☐ **STATUS:** The program received funding in Fiscal Years 2020 and 2021



WATER-RELATED ENVIRONMENTAL INFRASTRUCTURE – SECTION 595



- ❑ **AUTHORIZATION:** WRDA 1999, Section 595, as amended
- ❑ **TYPE OF PROJECTS:** Water resource issues in New Mexico
- ❑ **PROJECT PHASE:** Design/Construction Assistance
- ❑ **NON-FEDERAL SPONSOR:** Government Entities in the State of New Mexico
- ❑ **BACKGROUND:** Through a partnership, a non-Federal sponsors on publicly owned projects and the Corps can address water resource issues in New Mexico. Assistance may be in the form of design and construction for water related environmental infrastructure and resource protection and development projects including projects for wastewater treatment and related facilities, water supply, environmental restoration, and surface water resource protection and development.
- ❑ **STATUS:** The program received funding in Fiscal Years 2020 and 2021