



Build With Us!



U.S. ARMY

[www.usace.army.mil](http://www.usace.army.mil)



US Army Corps  
of Engineers®



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of Engineers®

**1775: BUILDING STRONG**

Celebrating 250 years of service!



# US ARMY CORPS OF ENGINEERS

## Our beginnings

**June 16, 1775**

Played a crucial role in  
**growth of a young republic**

Surveyed canals and railroad routes,  
and served as **explorers** and **map makers**  
**Responded to changing defense requirements**

## Today

We continue the tradition of providing  
**vital engineering services**

**Securing** the nation

**Energizing** the economy

**Reducing risk** from disaster

We are **engineering solutions**  
for our nation's toughest challenges

**BUILDING STRONG**



# Celebrating 250 years of service to our nation!



Congress authorized a Chief Engineer for the Army, anticipating battle with British forces.

The General Survey Act authorized use of Army engineers to survey roads and canals. Later, an act to improve navigation on the Ohio and Mississippi rivers initiated our civil works mission.



Following massive flooding on the Mississippi, Congress tasked USACE with rapid emergency response missions.

The 1927 Rivers and Harbors Act directed a series of river surveys to determine the feasibility of hydroelectric dams in combination with navigation, irrigation, and flood control measures. This program marked the first nationwide, multipurpose water resources planning program. Later that year, devastating floods on the Mississippi led to the Flood Control Act and design and construction of the Mississippi Rivers and Tributaries system.



1775

1812

1842

1862

1882

1925

1927

1944

Army engineers constructed coastal forts that proved valuable during the War of 1812, our first military construction mission.



Many railroad routes were in place prior to the Civil War, but President Lincoln envisioned a transcontinental railroad that would bring the nation closer together, making Americans across the country feel like "one people."



The first federally funded hydroelectric facility, Wilson Dam, the largest in the world at the time, was completed on the Tennessee River. Projects like this set a precedent for using infrastructure as part of the national economic recovery during the New Deal.



The Flood Control Act authorized USACE to develop recreational facilities on project sites. Today more than 400 USACE lakes receive more than 266 million visitors per year.





# USACE HISTORY

Passage of significant environmental legislation in the 1970s, including the National Environmental Policy Act [1970], the Clean Water Act Amendments [1972] and the Endangered Species Act [1973], required USACE to greatly expand environmental review and permitting programs and hire a new generation of experts on natural systems.



Failures in the levee system protecting New Orleans during Hurricane Katrina in 2005 led to an appreciation of the value of our infrastructure and one of the most complex risk analyses carried out by the USACE as part of an interagency taskforce. At the same time, through its dam and levee safety programs, USACE was becoming a world leader in using risk to make better decisions about how to invest in aging infrastructure.

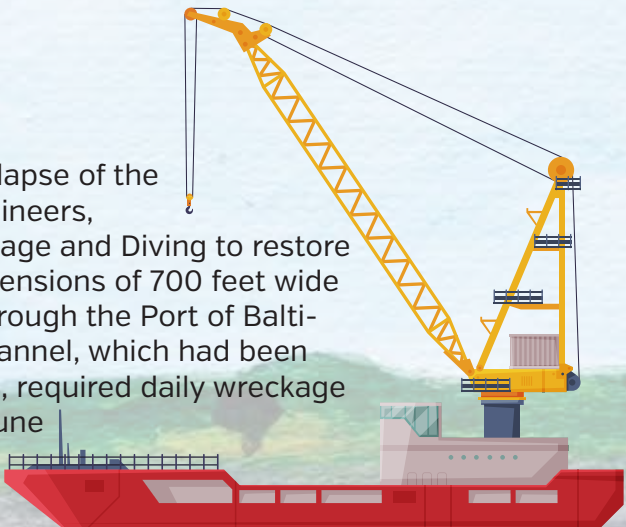


The Bipartisan Infrastructure Law is a historic opportunity for the nation to invest in its critical infrastructure. For USACE, BIL provided \$17.1B to address current and future Civil Works' water resources infrastructure needs for the benefit of the American public.



**US Army Corps of Engineers®**

Building Towards the  
**FUTURE**



1970

2001

2007

2012

2021

2024

USACE responded to the 9-11 terror attacks with structural assessments, power restoration, debris removal, and a focus on increasing the security of infrastructure across the nation. When the U.S. entered the Global War on Terror, first in Afghanistan and then Iraq, USACE established new overseas districts and a division in those countries to help rebuild their shattered infrastructure.



Responded to Superstorm Sandy with a range of missions developed in coordination with FEMA over three decades, including power restoration, debris removal, reopening ports, and pumping flood waters out of critical transportation infrastructure.



As part of the Unified Command response to the collapse of the Francis Scott Key Bridge, the U.S. Army Corps of Engineers, worked closely with the U.S. Navy Supervisor of Salvage and Diving to restore the Fort McHenry Federal Channel to its original dimensions of 700 feet wide and 50 feet deep for commercial maritime transit through the Port of Baltimore. The clearance of the Fort McHenry Federal Channel, which had been blocked by the bridge collapse since March 26, 2024, required daily wreckage removal and salvage operations to accomplish the June reopening goal.



Our workforce is diverse, innovative, collaborative, dedicated, talented, driven and educated

 **39K** civilian employees

 **900** military personnel [approx]

## Turning on the lights

The 249th Engineer Battalion (**Prime Power**) is the government's only prime power capability

**320** number of soldiers in the battalion

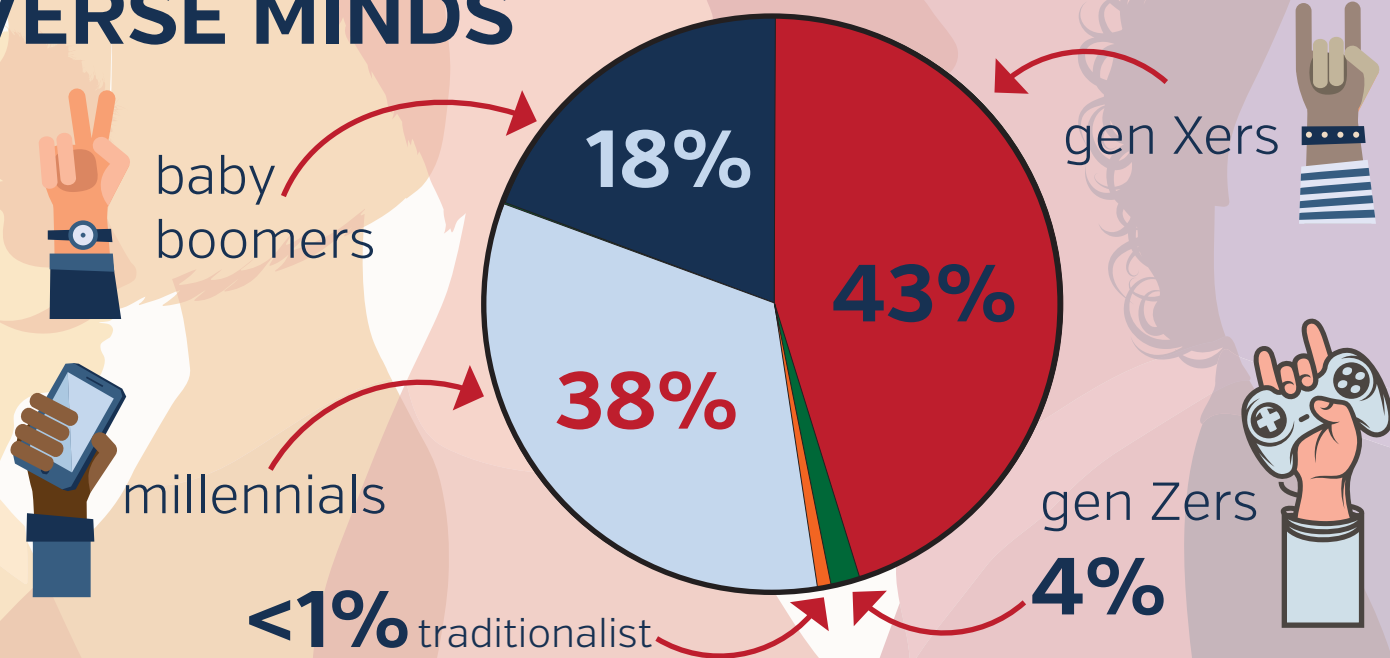
The unit deploys worldwide to provide commercial-level power and electrical systems support for military operations and disaster-response missions

**38** number of college credits received through training

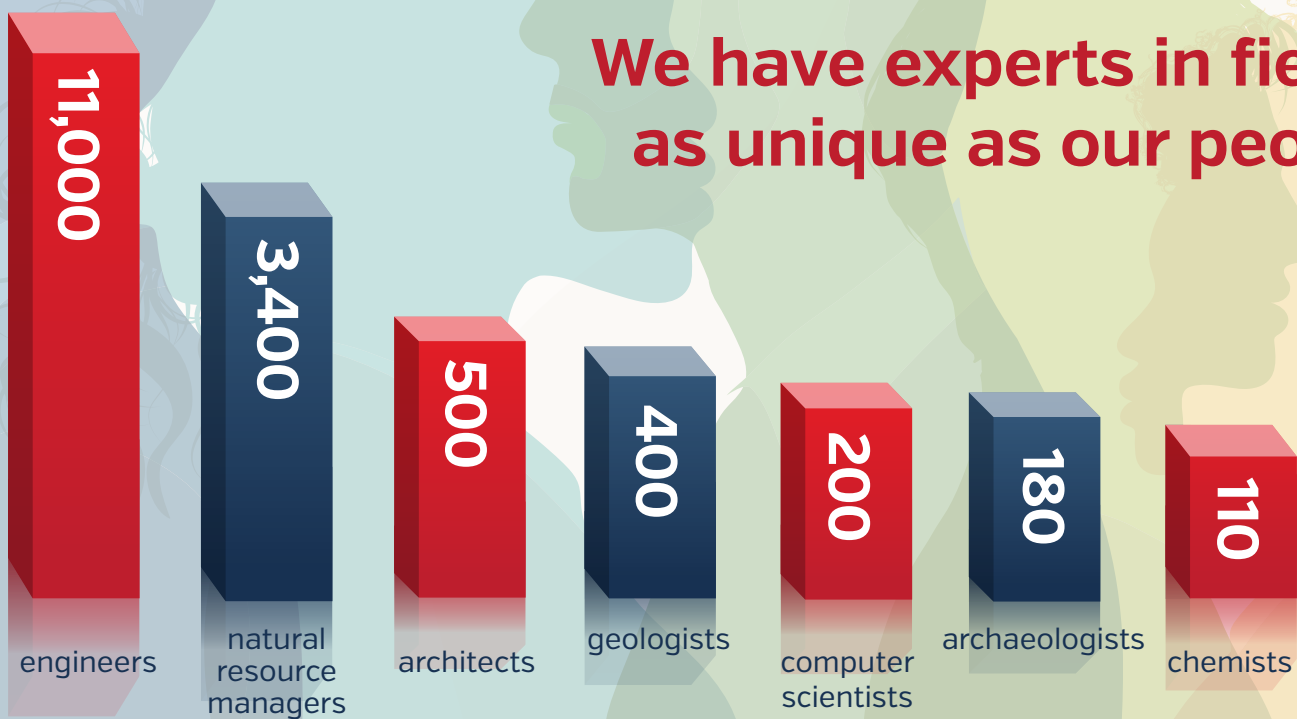
**11K**

Volunteer civilian deployments in support of contingency operations since 2001

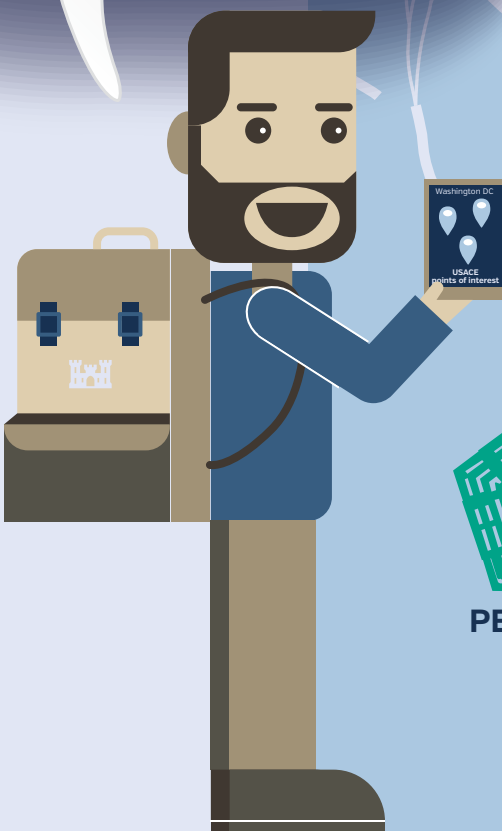
## DIVERSE MINDS



We have experts in fields as unique as our people



The U.S. Army Corps of Engineers is best known for its water resources mission, environmental work and construction of military bases; we've also built many of the historic monuments and structures of Washington, DC.



KEY BRIDGE

Built this structure between 1916 and 1923



**AMERICAN RED CROSS**  
Supervised the building of this memorial to women of the Civil War



**WASHINGTON AQUEDUCT**  
The aqueduct produces drinking water for approximately **one million** citizens in Washington and the northern Virginia area

**Three renovation efforts**  
1902, the 1920s and an almost complete rebuilding of the interior from 1948-1952



**WHITE HOUSE**



**WASHINGTON MONUMENT**

**U.S. CAPITOL**  
USACE supervised the extension of the Capitol building and construction of a new larger dome in the 1850s and early 1860s



**LINCOLN MEMORIAL**

**SMITHSONIAN BUILDINGS**

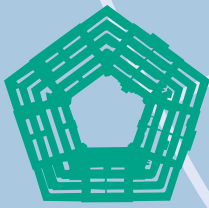


Engineers helped guide construction of Smithsonian's earliest buildings including the recognizable castle building and the Natural History museum

**LIBRARY OF CONGRESS**



Managed the construction of the **Lincoln Memorial**, **Washington Monument**, the **Korean Veterans Memorial**, the **Library of Congress** and other historic structures



**SUPER FAST TURNAROUND**  
We led the construction of this structure that was built in a mere

**16 months**

**PENTAGON**

In the late 1930s, the Army Corps of Engineers dredged material to create land in the Potomac River for the site of the airport  
We also paved runways and built hangars and administration buildings



**REAGAN NATIONAL AIRPORT**

# Almost everything Americans use moves through waterways we maintain

## NAVIGATION STRONG

**41** states directly served by our ports & waterways



More than  
**464**  
million tons

of cargo or **15%** of domestic freight moves on inland waterways, including:

**60%** of the nation's grains

**22%** of domestic petroleum products

**22%** of the coal used for electricity

**2.3** billion tons of cargo at a value of

**\$2 TRILLION** handled by U.S. ports and waterways

We maintain about **12,000 miles** of U.S. inland waterways

OUR NAVIGATION



Helps American farmers feed the world



Helps move **critical military equipment and supplies** for our Armed Forces at home and abroad



**CONNECTING GLOBALLY**

**98%** of the overseas trade moves through USACE projects

**48%** of **consumer goods** bought by Americans pass through harbors maintained by USACE

More than **70%** of **imported oil** comes to the U.S. through harbors maintained by USACE



USACE is the largest owner and operator of hydroelectric power plants in the U.S.

POWERFUL

1 out of every 4

MEGAWATTS

of hydropower in the U.S. is generated by our plants

One of the LARGEST

electric suppliers in the U.S.



The energy we generate powers a cleaner America

DEDICATED

Our technicians work 24 HOURS A DAY

7 DAYS A WEEK

365 DAYS A YEAR

and minute-by-minute to monitor energy production



CONSCIENTIOUS

Our hydroelectric plants save

96 MILLION

metric tons

of carbon dioxide-equivalent emissions per year



Per year, we generate

70

BILLION

kilowatt-hours of clean renewable energy

enough to power 8 cities the size of Seattle, Washington

1934

Built the Bonneville Dam near Portland, Oregon: the FIRST multipurpose facility with hydroelectric power.

It provides electricity for approximately

900K homes per year



# We are the nation's environmental engineer

More than  
**4K** of the USACE workforce  
specializes in unique  
environmental disciplines



ENVIRONMENT **STRONG**

The Bipartisan Infrastructure Law provides a **\$17.1 billion** investment for Civil Works projects that address water resources and infrastructure needs for the nation.



Environmental  
Stewardship & Restoration  
MANAGING

**12 million acres**

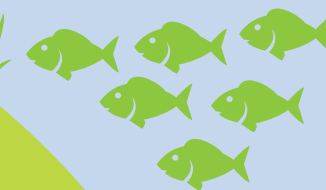
of land and water [the size of  
New Hampshire & Vermont combined]

**in 43 states**



## CLEANING YOUR COMMUNITY

Working in **all 50 states**  
and **six territories**:  
Remediating sites to  
enable reuse and  
protect human health  
and the environment




## LEADING THE WAY


Helping lead federal efforts  
to shrink the government's  
energy footprint and **decrease**  
demand on natural resources




# We deliver innovative, resilient, and sustainable solutions to the Department of Defense and the nation




**Engagements**  
140 events in 40+ countries in 2024



**Recruiting Facility Leases**  
\$330M (FY23) / 2,600 offices (All Services)



**Research & Development**  
\$1.35B / 2,000+ projects (DOD/Army/Interagency & International Support)

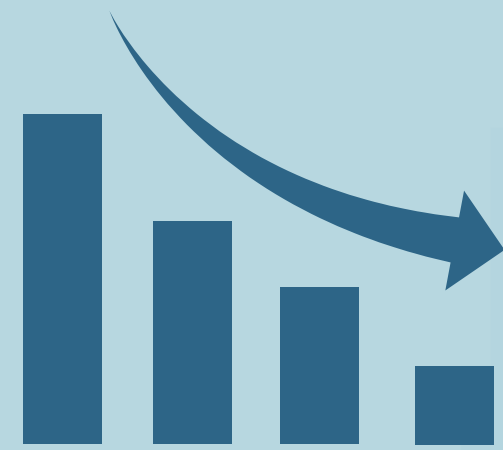


**Host Nation Construction**  
\$7.6B / 157 projects across South Korea, Japan, Kuwait and Saudi Arabia

SECURED **\$2B+** in private investments to advance the efficiency and resilience of installation energy/water infrastructure and systems vital to Army and DoD mission readiness.



Actively working to reduce DoD's \$43 billion in environmental liability



**Where we are ...**




Engagement **140+** countries


Physical Presence **30+** countries




Building world-class facilities for our service members to **work, train & live**



**Energy Resilience & Conservation**  
\$2B / 103 projects (Army/AF) DOD



**Security Assistance**  
\$6B / 272 projects in 44 countries

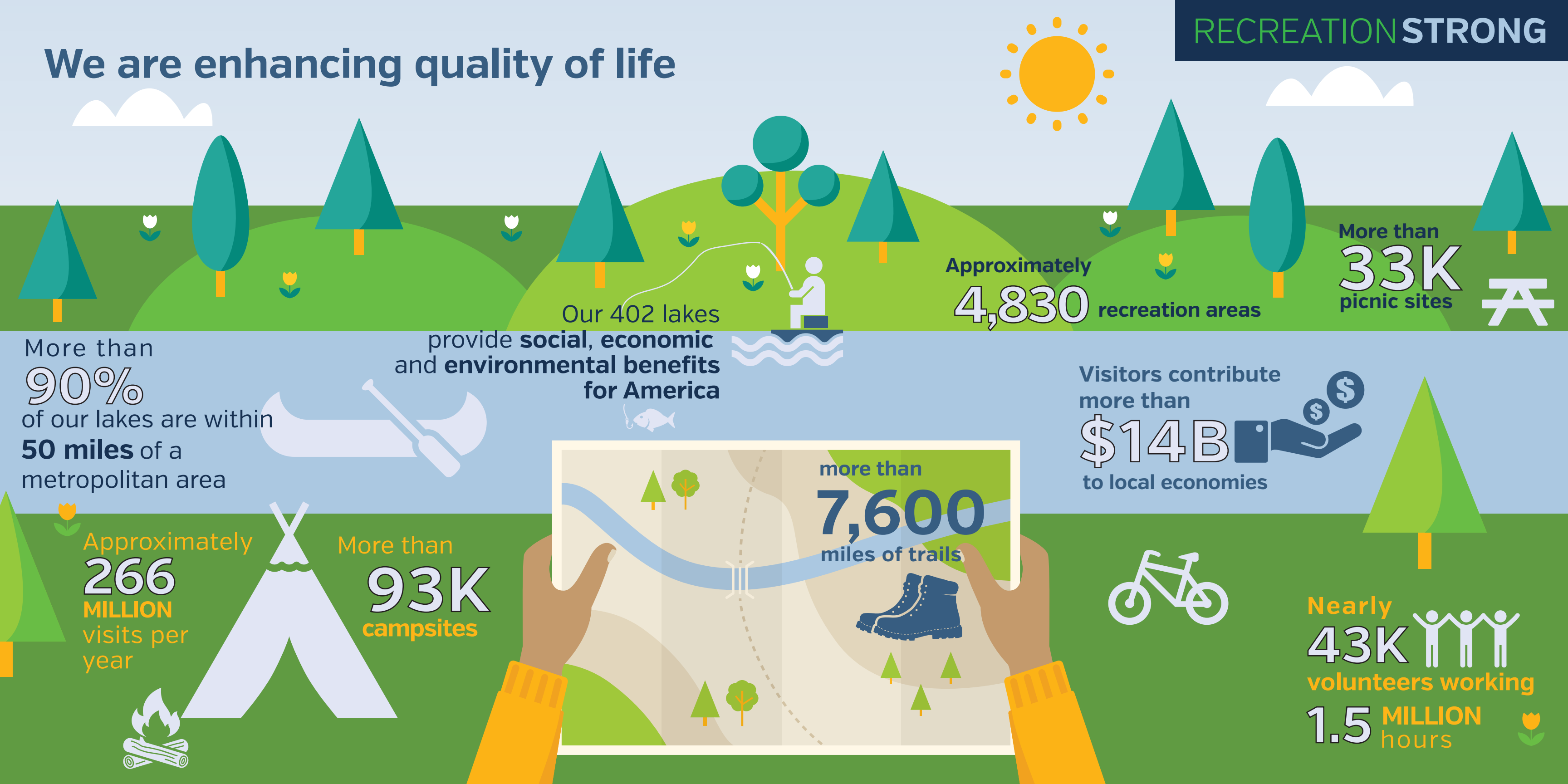


**Net-Zero & Sustainable Materials Pilots**  
\$743M / 7 projects (Army/AF)



# We are enhancing quality of life

RECREATION STRONG



Our 402 lakes

provide **social, economic**  
and **environmental benefits**  
for America

Approximately  
**4,830** recreation areas

More than  
**33K**  
picnic sites



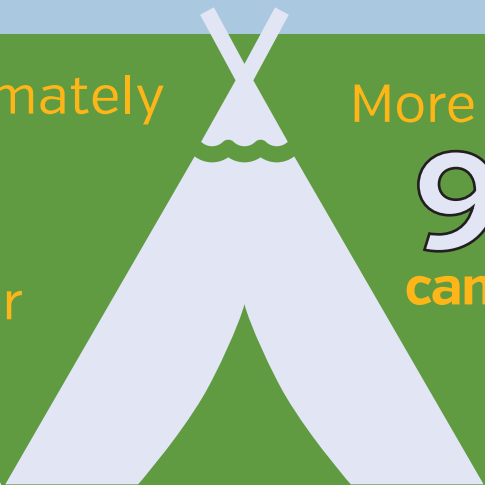
More than  
**90%**  
of our lakes are within  
**50 miles** of a  
metropolitan area

Visitors contribute  
more than  
**\$14B**  
to local economies



Approximately  
**266**  
MILLION  
visits per  
year

More than  
**93K**  
campsites



more than  
**7,600**  
miles of trails



Nearly  
**43K**  
volunteers working  
**1.5** MILLION  
hours



# We are reducing risk for Americans

We operate approximately **240** navigation lock chambers at more than **190** sites and manage dams in

**44** STATES

about **2,200 LEVEE SYSTEMS & 700+ DAMS**

Reducing the impacts of flooding on people, businesses, critical infrastructure, and the environment.

We own and operate

- 6 of the 10 largest U.S. reservoirs
- 6 of the 10 largest U.S. embankment dams
- 50%** of all federally owned dams

**PROTECTING \$3 TRILLION** in national infrastructure along our coasts

**\$202.4 BILLION** average annual damage prevented by **dams, levees, and emergency operations** from 2014 to 2024



Providing **6.9 BILLION** gallons of water per day - that's enough for the daily household needs of **101 MILLION** people

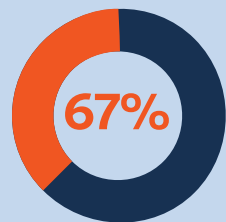


# We are one of the world's premier engineering and scientific research organizations

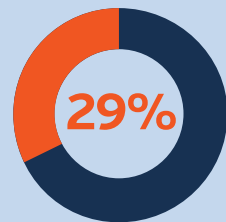


Our research and development facilities are made up of more than **3,000+ highly skilled professionals**

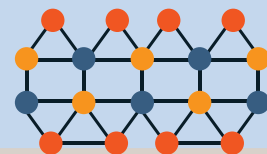
Engineering & Science Degrees



Master's



PhDs



## We have really cool toys

World-class facilities include

One of the **WORLD'S MOST POWERFUL** centrifuges

**BLAST EFFECTS** facilities

Specialized **COASTAL MONITORING** equipment

**ENDANGERED SPECIES** laboratories

**FROST AND ICE ENGINEERING** facilities

**1800-FOOT** coastal research pier technology that simulates **EARTHQUAKE VIBRATION**



**SUPER FAST**



Our supercomputers are some of the most powerful and fastest in the world, with a capability of **47.5 quadrillion calculations per second**

## OUTREACH

Reach more than **13K students** through **STEM**



377 12326 377  
074 06987 074  
587 87364 587  
858 23745 858  
675 76565 675

**INNOVATIVE**  
more than  
**100**  
active patents

**RESEARCHSTRONG**

# We are everywhere we need to be ...

## Headquarters

## 9 Divisions

## 44 Districts

## 9 Centers and Labs

## 1 Active-Duty Unit

[249th Engineer Battalion (Prime Power)]

## 2 U.S. Army Reserve Theater Engineer Commands [412th and 416th]

