



find us online:

www.usace.army.mil



US Army Corps of Engineers
BUILDING STRONG®
since 1775

US ARMY CORPS OF ENGINEERS

Our beginnings

June 16, 1775

Played a crucial role in
growth of young republic

Surveyed canals, 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®

We don't mean to brag, but our people are innovative, collaborative, dedicated, talented, driven and educated

 **34K** civilian employees

 **800** military personnel

Turning on the lights

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

300 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

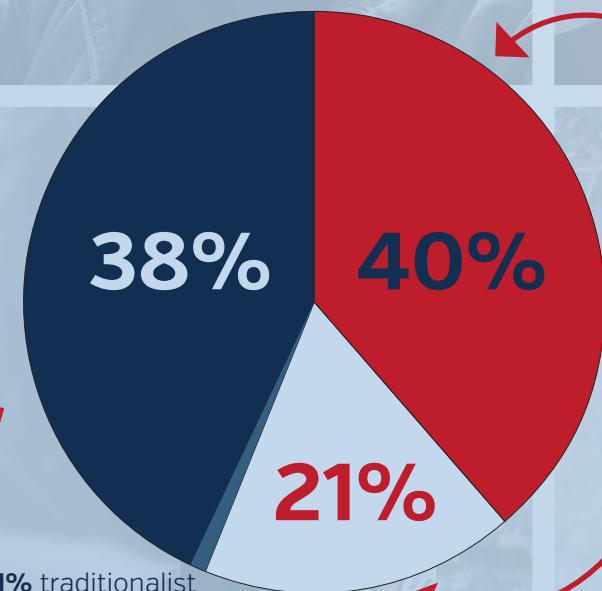
11K

Volunteer civilian deployments in support of contingency operations to **Iraq** and **Afghanistan** since 2001

DIVERSE MINDS



baby boomers

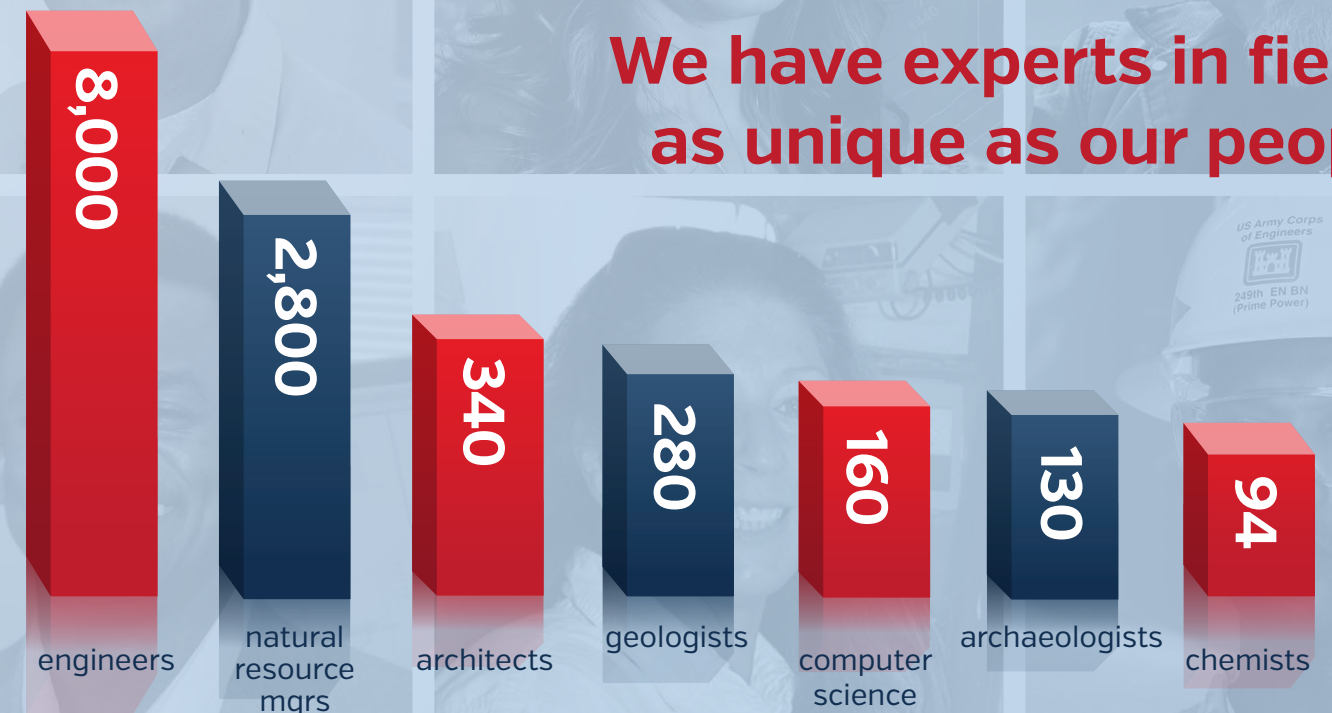


gen Xers



millennials

We have experts in fields as unique as our people



What would Washington look like if Army engineers had not had a hand in building the city?



KEY BRIDGE

Built this structure between 1916 and 1923

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



WHITE HOUSE



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

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



WASHINGTON MONUMENT



SMITHSONIAN BUILDINGS



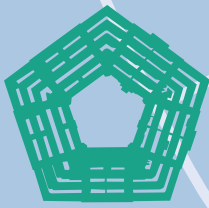
Engineers helped guide construction of Smithsonian's earliest buildings including the recognizable castle building and the Natural History museum

LIBRARY OF CONGRESS



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

LINCOLN MEMORIAL



PENTAGON

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

16
months

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
600
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 **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 Corps projects

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

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

The energy we generate powers a cleaner America



Largest renewable energy producer in the U.S.

POWERFUL

1 out of every 4

MEGAWATTS

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



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



50

MILLION metric tons

of carbon dioxide-equivalent emissions per year

Per year, we generate

75

BILLION kilowatt-hours of clean renewable energy

enough to power 10 cities the size of Seattle, Washington



1934

Built Bonneville Dam near Portland, Oregon, the FIRST multipurpose facility with hydroelectric power It provides electricity for approximately

500K homes per year



We are the nation's environmental engineer

ENVIRONMENT **STRONG**

More than
4K engineers and scientists
working in environmental
arena



CLEAN ENERGY LEADERS
Bringing green
energy to places near you:
**recreation areas, dams,
work places, military bases**



by **2025**
we expect to **remove**
the equivalent of

25K

cars from the road each
year through our
sustainable efforts



LEADING THE WAY

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



CLEANING YOUR COMMUNITY

Working in **all 50 states**
[and six territories]:
cleaning neighborhoods,
parks and business sites

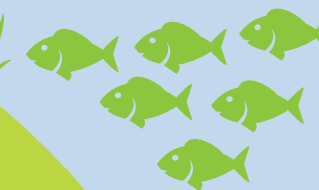


Environmental
Stewardship & Restoration
MANAGE

12 million acres

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

in **43 states**



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

IRAQ

completed more than
\$15 BILLION
in construction



AFGHANISTAN

will complete
\$10.1 BILLION
in construction

We issued contracts to more than
90 COMPANIES in
4 TECHNOLOGIES
solar, wind, biomass and geothermal
providing the energy needed to power Army
installations and conduct soldier training



Environmental cleanup
programs getting smaller
\$1.5 BILLION
in 2017



Where we are ...



Engagement
110+ countries

● Physical Presence
43 countries

Building
world-class
facilities
for our
servicemembers to



**work
train
& live**

Manage more than
25 MILLION
acres in real property
assets for Army



We are enhancing quality of life

RECREATION STRONG

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

We are one of
the nation's **leading**
federal providers of
outdoor recreation

visitors
contribute
BILLION
\$10.7 to the local
economy

more than
36K
picnic sites

approximately
250
MILLION
visits per year

more than
93K
campsites

more than
7.8K
miles of
trails

approximately
180K

jobs supported
by visitor
spending

nearly
45K
volunteers working
1.6 MILLION
hours

We are reducing risk for Americans

about
2,200 LEVEE SYSTEMS & 700+ DAMS

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

We operate

approximately
240 navigation
lock chambers

at more than
190 sites

manage dams in

44

STATES

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

\$675 BILLION
total damages prevented by
dams, levees and emergency
operations from 2007 to 2016

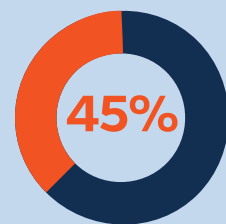


over 107 MILLION people

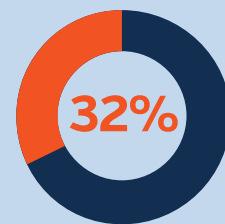
We are one of the world's premier engineering and scientific research organizations

Our research and development facilities are made up of **2,000+ highly skilled professionals**

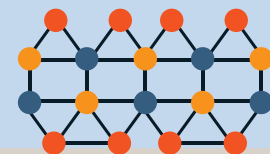
Engineering & Science Degrees



Master's



PhDs



Our toys are cooler than your toys

World-class facilities include

the **WORLD'S MOST POWERFUL** centrifuge

BLAST EFFECTS facilities

hazardous waste research laboratories

ENDANGERED SPECIES laboratories

frost and ice engineering facilities

1800-FOOT coastal research pier



SUPER FAST



Our supercomputers are some of the most powerful and fastest in the world, with a capability of **3.5 quadrillion calculations per second**

OUTREACH

Reach more than **9K students** through **STEM** programs



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

INNOVATIVE
more than
100
active patents

We are everywhere we need to be ...

Headquarters

9 Divisions

43 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]

