

US ARMY CORPS OF ENGINEERS



ALASKA DISTRICT



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AGENDA



- **About the Alaska District**
- **Workload**
- **Major Programs**
 - **Military**
 - **Civil Works**
 - **Environmental**
- **Regulatory Responsibility**
- **Emergency Management**
 - **Global War on Terrorism**
- **Recent Honors**
- **Conclusions**
- **Questions**



Alaska District Headquarters on Elmendorf AFB.



View of Northern Lights from
Elmendorf Air Force Base.

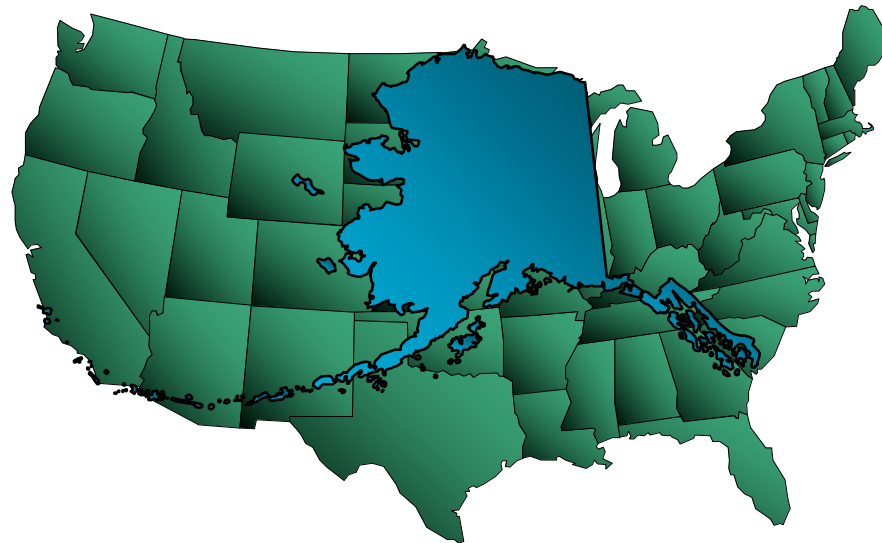


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MISSION STATEMENT



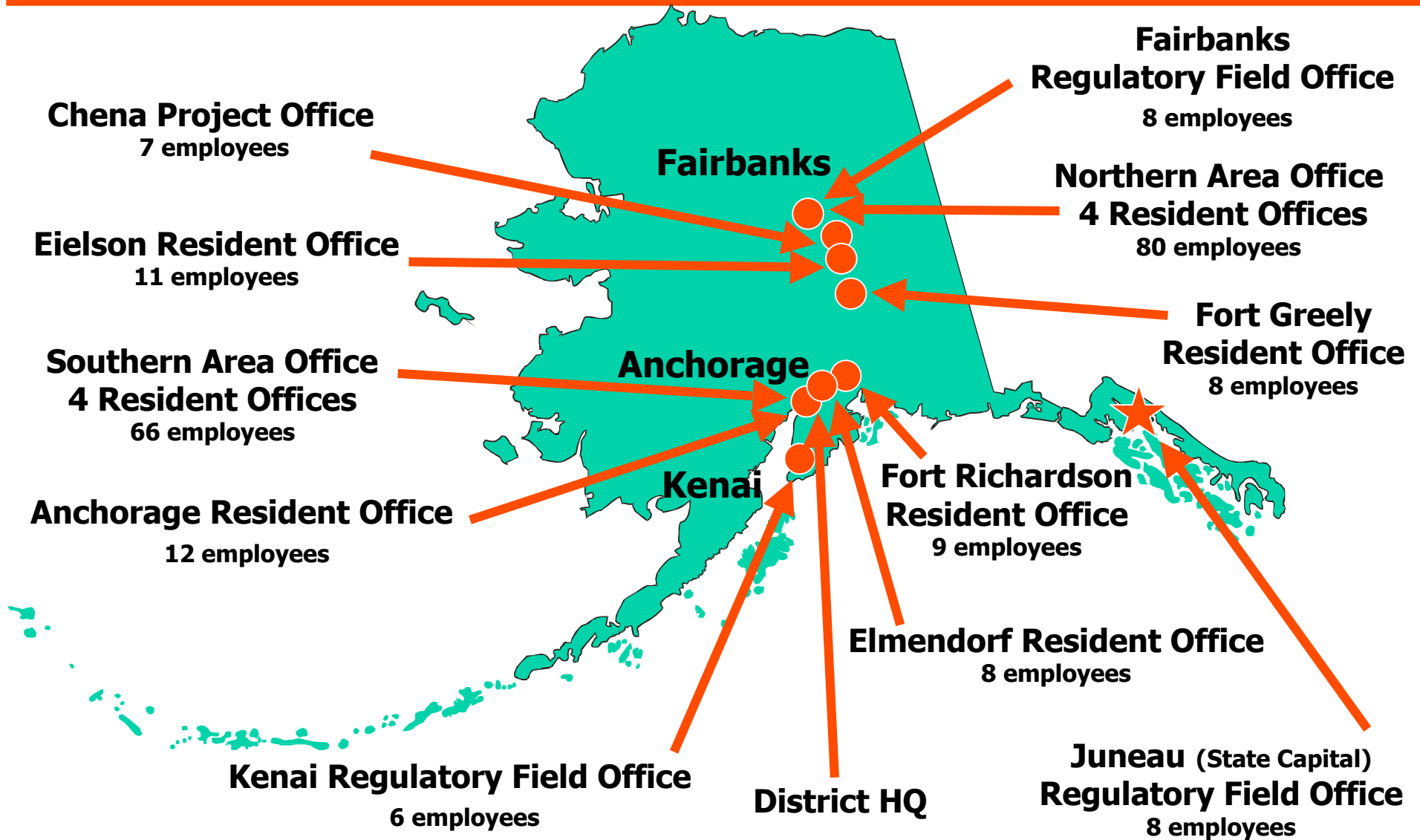
Focus on customers while providing a full spectrum of quality engineering, technical and construction support services in support of peacetime and contingency operations in Alaska, as well as throughout the Pacific Region and the world.





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OFFICE LOCATIONS





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MAJOR PROGRAMS



ALASKA DIST

MILITARY



**Construction of Unmanned Aerial
Vehicle Maintenance Facility at
Fort Wainwright.**

CIVIL WORKS



Rock placement in Wrangell Harbor.

ENVIRONMENTAL

**Rapid Optical Screening Tool (ROST) at
Yakutat.**





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ARMY PROJECTS



U.S. Army Alaska

- **Fort Richardson**

- **4th Brigade Combat Team (Airborne), 25th Infantry Division (Light)**

- **Fort Wainwright**

- **1st Stryker Brigade Combat Team, 25th Infantry Division**

Bassett Replacement Hospital at Fort Wainwright



Family Housing at Fort Wainwright



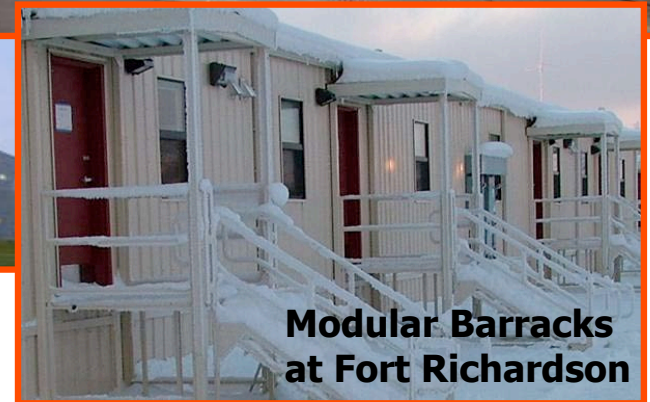
Battle Command Training Center at Fort Wainwright



Hangar 6 at Fort Wainwright



Modular Barracks at Fort Richardson





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AIR FORCE PROJECTS



ALASKA DISTRICT



C-17 Maintenance Hangar at Elmendorf AFB

11th Air Force

- **3rd Wing**
at Elmendorf Air Force Base
- **354th Fighter Wing**
at Eielson Air Force Base



Runway Paving at Eielson AFB



Hydrant Fuel Project at Eielson AFB



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MISSILE DEFENSE PROJECTS



ALASKA DISTRICT



Ground-Based Midcourse Defense System

- Fort Greely
 - Interceptor Missiles
- Eareckson Air Station, Shemya
 - Defense Satellite Communication System



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MILITARY CONSTRUCTION



- **FY06 Total Military Awards: 23 projects @ \$537**
 - **Army Awards: 17 projects @ \$431**
 - **Air Force Awards: 6 projects @ \$106**
- **FY07 Total Military Awards: 21 projects @ \$500.3**
 - **Army Awards: 11 projects @ \$334.9**
 - **Air Force Awards: 10 projects @ \$165.4**

*** Dollar amounts in millions**



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CIVIL WORKS PROJECTS



Alaska Community Support

- Navigation
- Ports/Harbors
- Flood Control
- Recreation
- Hydroelectric Power Generation
- Water Supply
- Erosion Control
- Emergency Response
- Port of Anchorage Dredging

Coastal Erosion Control in Shishmaref



Kenai River Bank Stabilization



Kake Dam



Nome Harbor





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CIVIL WORKS



- **FY06 Total Civil Works Awards: 9 projects @ \$39.9**
 - **New Project Awards: 2 projects @ \$12**
 - **Continuing Project Awards: 7 projects @ \$27.9**
- **FY07 Total Civil Works Awards: 11 projects @ \$28.4**
 - **New Project Awards: 6 projects @ \$10.4**
 - **Continuing Project Awards: 5 projects @ \$18.0**
 - **Other Potential Awards: 3 projects @ \$15.5 ****

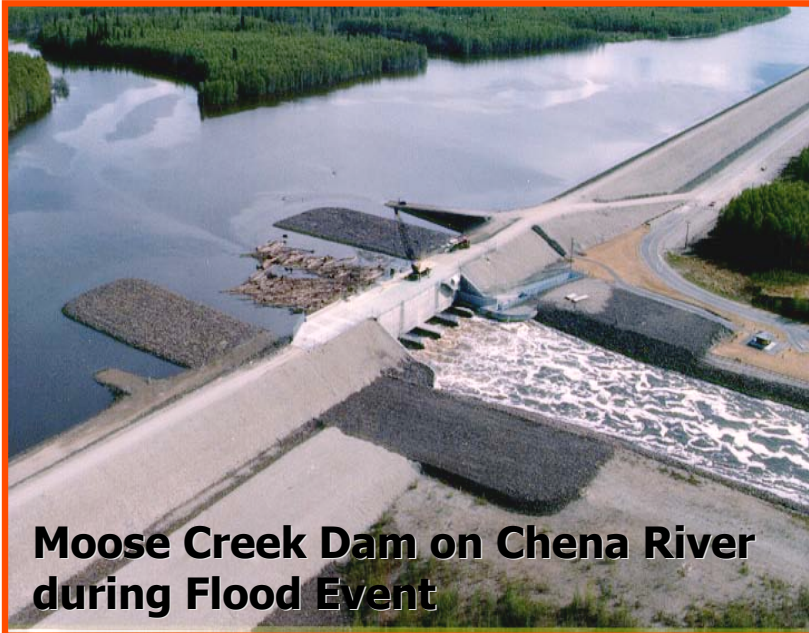
*** Dollar amounts cited in millions**

**** Depending on Congressional appropriations**



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FLOOD CONTROL & RECREATION



**Moose Creek Dam on Chena River
during Flood Event**

Chena River Lakes Flood Control Project and Recreation Area at North Pole



Dog Sledding on Project Land



**Moose Hunt for
Paralyzed Veterans**



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HARBORS OF REFUGE



Harbors of Refuge

- Increases in freighter, container and tanker traffic along Aleutian Islands means higher risk of incidence.
- Potential for opening Northern Sea Route requires need for new ports.
- Greater interest for cruise ships in Bering and Chukchi Seas.



Cougar Ace

Selendang Ayu



Potential Corps Role

- Navigation is a high-priority mission for the Corps.
- Existing studies and authorities to examine issues.
- Extensive Alaska navigation expertise.



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LOW COST ENERGY



- Alaska has 8th highest electricity cost in country at 14.42¢ per kWh. Without Anchorage, mil rate is the highest at 24¢ per kWh.
- The Snettisham project generates 78.2 MW at a cost of about 5¢ per kWh, giving Juneau a residential rate of 9.6¢ per kWh.
- A 1997 AIDEA reports identifies 131 potential hydroelectric sites in Alaska likely to be cost-effective and technically/environmentally feasible.



Largest Sources of Electrical Generation in Alaska

- Natural gas 58% (18% national)
- Hydropower 22% (7% national)
- Coal 10% (50% national)
- Petroleum product at 9% (3% national)



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ENVIRONMENTAL CLEANUP



ALASKA DISTR

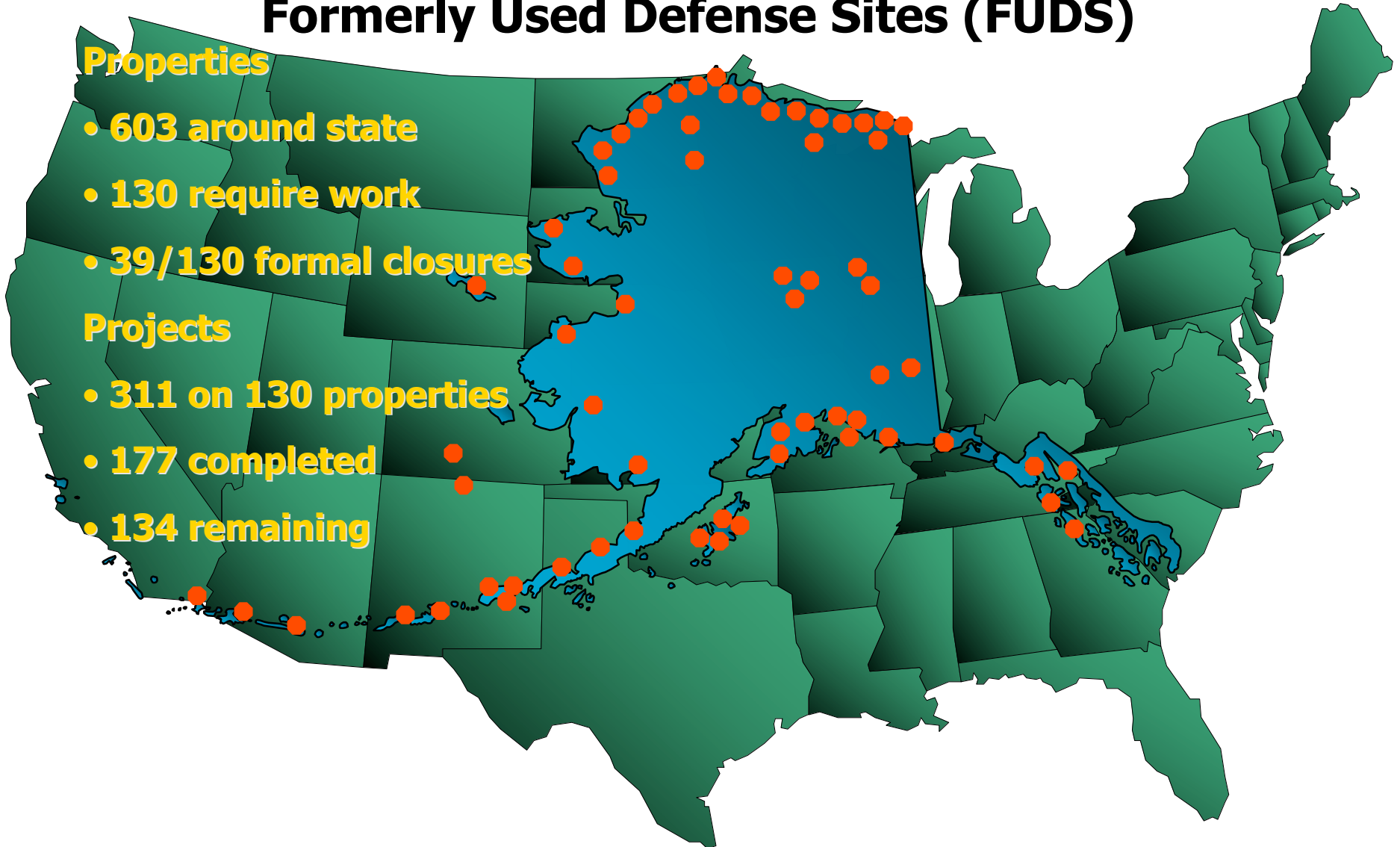
Formerly Used Defense Sites (FUDS)

Properties

- 603 around state
- 130 require work
- 39/130 formal closures

Projects

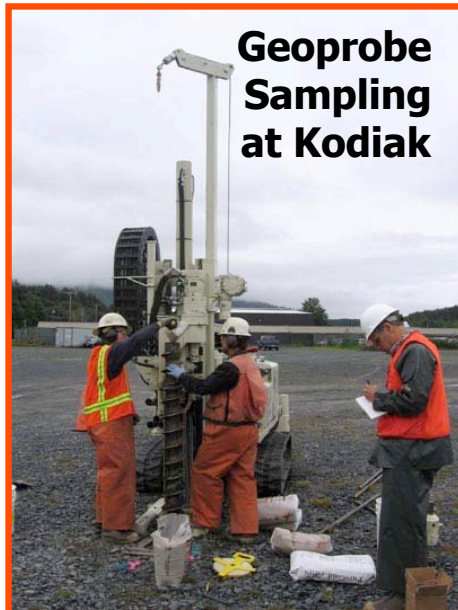
- 311 on 130 properties
- 177 completed
- 134 remaining





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ENVIRONMENTAL CLEANUP



**Geoprobe
Sampling
at Kodiak**



Excavation of PCB Contamination at Drury Gulch



Drum Removal at Cold Bay



Bulldozer Topples Tram Tower at NE Cape



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REGULATORY PROGRAM



- **Largest District in the Nation (geographically)**

- 1/5th the size of the Lower 48
- 33,904 miles of coastline
- 15 million miles of potentially navigable waterways
- 3 million lakes
- 43 percent of state is wetlands
- 220 million acres of wetlands and other waters

- **2nd Largest Regulatory Branch in the Nation**

- 65 employees

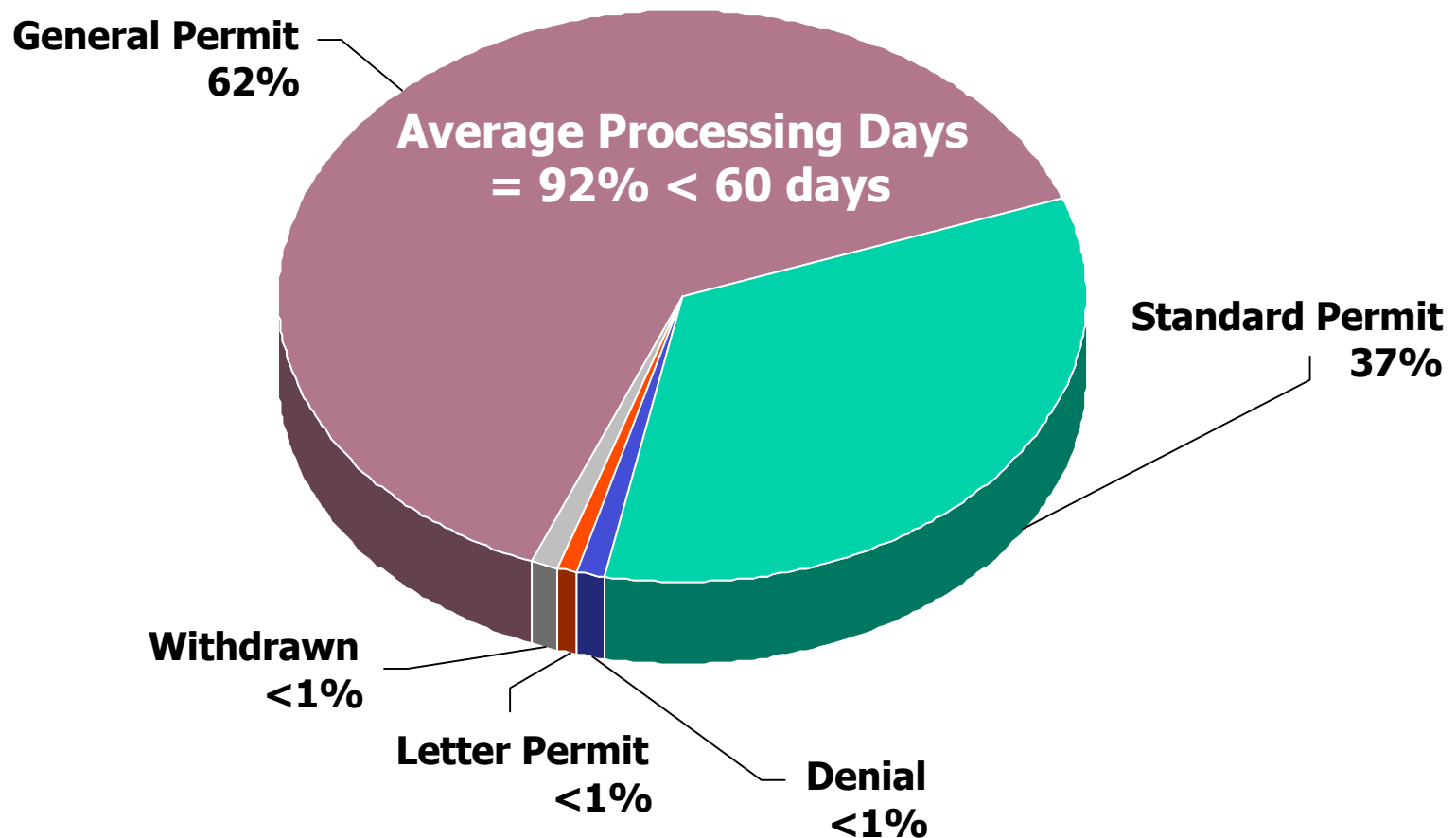


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PERMIT ACTIONS



Types of Decisions on Annual Basis Approximately 2,500





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EMERGENCY MANAGEMENT



GLOBAL WAR ON TERRORISM

- Currently in Iraq – 9
- Currently in Afghanistan – 8
- Total deployed to date – 78



DISASTER RESPONSE

Hurricane Relief

- Currently deployed – 5
- Total deployed to date – 65

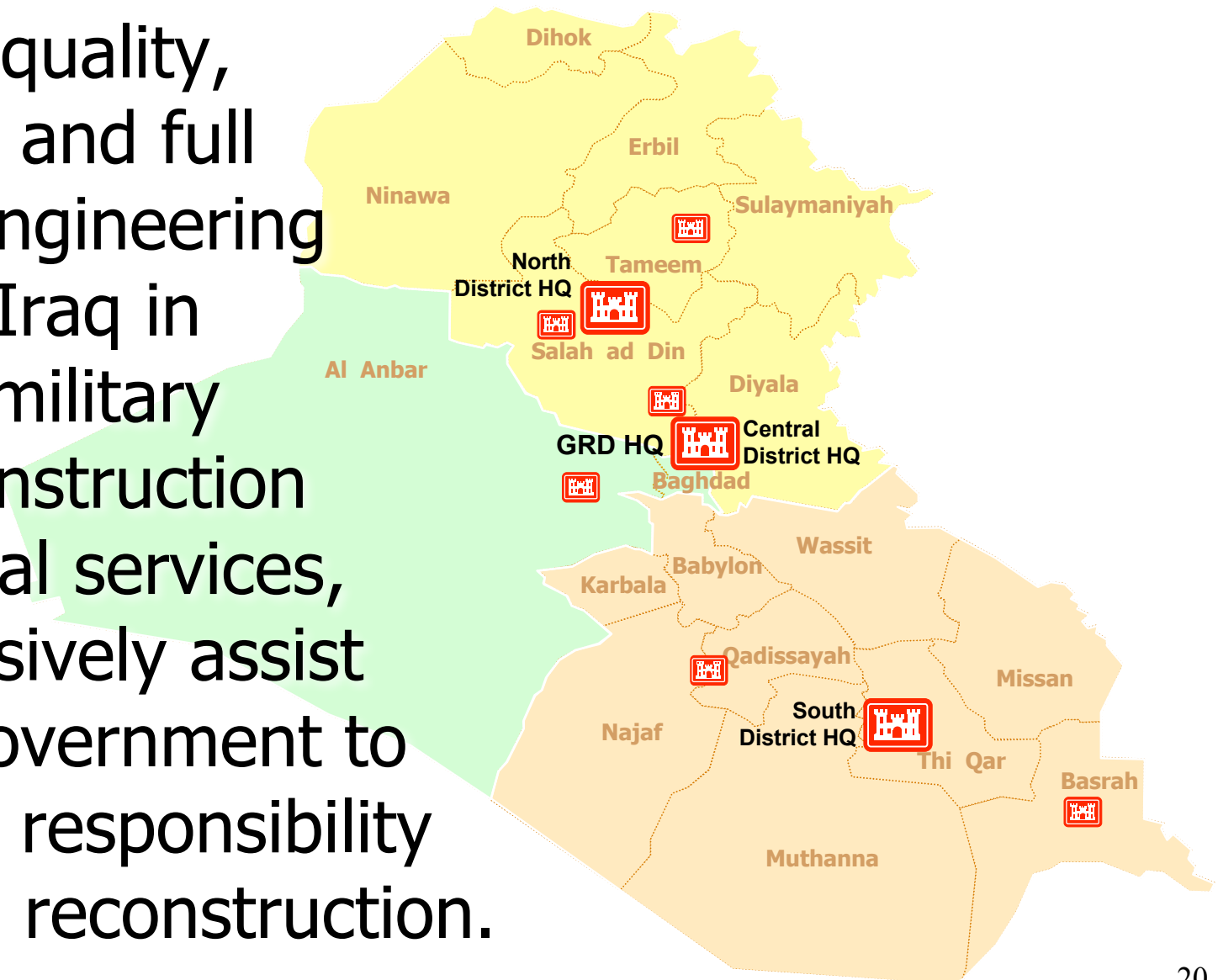


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GULF REGION DIVISION MISSION STATEMENT



To provide quality, responsive, and full spectrum engineering services in Iraq in support of military and civil construction and logistical services, and aggressively assist the Iraqi Government to assume full responsibility for national reconstruction.





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GULF REGION DIVISION PROGRAMMED PROJECTS



	<u>Planned</u>	<u>Completed</u>
Schools	848	837
Water	531	338
Electrical	415	225
Police Stations	301	283
Village Roads	169	105
Boarder Posts	155	153
Health Clinics	152	16
Railroad Stations	99	90
Fire Stations	94	88
Oil	59	29
Military Installations	79	60
Hospitals	35	22
Other	333	272
Total Projects	3,270	2,518





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RECENT HONORS



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- **Air Force Design Through Construction Agent of the Year (2006)**
- **Air Force Design & Construction Honor Award for Landscape Architecture (2006)**
- **Chief of Engineers Award for Excellence in Design (2006)**
- **Pacific Air Forces Concept Design Award for Excellence (2006)**
- **Pacific Air Forces Design Agent Civilian Project Manager of the Year (2006)**
- **Black Engineer of the Year Award for Modern-Day Technology Leader (2006)**
- **Corps of Engineers Outstanding Planning Achievement Award (2005)**
- **Chief of Engineers Award for Small Business Programs Specialist of the Year (2005)**





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CONCLUSION



Key Focus Areas

- **Support global war on terrorism, national defense & natural disasters**
- **Economic contribution**
 - Total contracts awarded
 - Small businesses
- **Environmental stewardship**

FY06

\$525 M

\$200 M

FY07

\$586 M

\$193 M

