

INFORMATION PAPER

CECW-ZD  
17 February 2004

**SUBJECT:** Civil Works Program Statistics

**PURPOSE:** To provide a scope of the Civil Works mission carried out by the U.S. Army Corps of Engineers. *Statistics are as of 30 September 2003, or for the fiscal year ending that date, unless otherwise specified.*

**FACTS:**

1. PEOPLE

- Civilian employee work years authorized (FTE's), FY 2004: **24,888**
- Number of military personnel authorized (FY 2004): **300**

2. Number of division offices with Civil Works mission: **8** District offices: **38**

3. FUNDING

- Total Fiscal Year 2004 Appropriation: **\$4.571 billion**
  - Construction, General: **\$1.722 billion**
  - Operations and Maintenance, General: **\$1.968 billion**
  - Mississippi River and Tributaries: **\$324 million**
  - General Investigations: **\$117 million**
  - Regulatory Program: **\$140 million**
  - Flood Control & Coastal Emergencies: **(funded from prior year appropriations)**
  - Formerly Used Sites Remedial Action Program (radiological environmental cleanup) **\$140 million**
  - General Expenses: **\$160 million**
- Other revenue anticipated, FY 2004
  - Non-federal cash contribution (cost-sharing): **\$278 million**
  - Inland Waterway Trust Fund: **\$246 million** (included in appropriation figures above)
  - Harbor Maintenance Trust Fund: **\$812 million** (included in appropriation figures above)
  - Coastal Wetlands Restoration Trust Fund: **\$57.7 million**
  - Bonneville Power Administration: **\$143.2 million**
  - Project land rentals, license fees, etc.: **\$15.6 million**

4. FUNDS SPENT on water resources projects, thru FY 03: **\$128 billion**. Adjusted for inflation to 2003: **\$309 billion**

5. PROJECTS UNDER CONSTRUCTION, 30 Jan 04: **1,507**

- Specifically authorized by Congress: **472**
- "Continuing Authorities" Projects: **1,035** (Nine authorities, including environmental)

6. DAMS owned/operated by Corps (all purposes) **609**

- Dams built by Corps but operated by others: **30**

7. DREDGES & OTHER VESSELS owned/operated by Corps: **2,485**

8. REAL ESTATE managed (including underwater): **11.7 million acres (18,281 square miles)**

- Total lake surface area at full pool: **9,934,000 acres (15,522 square miles)**
- Largest lake: **Lake Sakakawea, ND, 563 square miles**

9. NAVIGATION

- States served by Corps ports & waterways: **41 (including all states east of Mississippi River)**
- Commercial navigation channels operated/maintained: **12,000 miles**
- Percentage of U.S. domestic freight carried by water (by ton-miles): **18%**
- Navigation lock chambers owned and/or operated: **275 at 230 sites (240 O&M-funded at 195 sites)**
  - Locks in operation over 50 years old: **145**; Oldest 2 opened in **1839 (Kentucky River Locks #1 & 2)**
  - Highest lift: **John Day Lock, Columbia River, OR, 110 ft.**
    - Combined lift of all Corps locks: **6,498 ft.**
    - Most cargo moved: **-Ohio River Lock #52, 93.4 million tons**
    - Most pleasure craft lockages: **Hiram M. Chittenden Lock, Seattle, WA, 46,824 vessels**
- U.S. companies operating vessels on waterways: **2,624**
- Coastal, Great Lakes and inland harbors maintained by Corps: **926**
  - Harbors handling over 250,000 tons of cargo: **190 (112 coastal, 53 Great Lakes, 25 inland)**
- Tonnage handled by U.S. ports and waterways (2002): **2,340.3 million tons**
  - Inbound foreign: **934.9 million tons**, Outbound foreign **384.3 million tons**, Domestic trade **1021.0 million tons**
  - Major commodities: **Crude oil, 566.0 million tons; petroleum products, 451.9 million tons; coal, 280.7 million tons; food & farm products, 280.0 million tons**
  - Port handling most cargo: **South Louisiana, 216.4 million tons**
- Value of foreign commerce handled at ports (2002): **\$764.4 billion**
- Projects under construction, 30 Jan 04: **90** (excludes Continuing Authorities)

10. DREDGING

- Material dredged, 2003 (construction and maintenance): **233.8 million cubic yards**
- Cost: **\$891.8 million**. Average cost per cubic yard: **\$3.81**
- Percentage of material dredged by private firms: **~85%**
- Companies performing dredging for Corps: **55 (36 small businesses)** out of **104** submitting **447** bids for **166** contracts

## 11. FLOOD DAMAGE REDUCTION

- Major lakes and reservoirs managed by the Corps: **383**
- Federal levees constructed or controlled by the Corps: **8,500 miles**
- Projects under construction, 30 Jan 04: **301** (excludes Continuing Authorities)
- Average annual damages prevented by Corps projects (1993-2002): **\$22.8 billion**
  - Cumulative damage prevented, 1928-2002: **\$466.3 billion** Adjusted for inflation: **\$786 billion**
- Flood control expenditures, 1928-2002: **\$45.2 billion**, Adjusted for inflation: **\$124.8 billion**
  - Damage prevented per dollar expended, 1928-2002 (adjusted for inflation): **\$6.36**
- Flood damage suffered per year in U.S. (1993-2002): **\$5.5 billion**
- Lives lost due to floods dropped from an average **136** per year (1973-82) to **87** (1993-2002)
- Stream or environmental gauging stations used by Corps: **8,810**

## 12. SHORELINE PROTECTION

- Total specifically authorized projects constructed: **97**
- Coastline protected by projects: **284 miles**

## 13. ENVIRONMENTAL PROTECTION

- Projects under construction, 30 Jan 04: **81** (excludes Continuing Authorities)
- Environmental activities in FY 2004 appropriation: **\$866.6 million** (19.0% of total appropriation)
- Largest projects: **Comprehensive Everglades Restoration Program, Columbia River Fish & Wildlife Mitigation, Upper Mississippi River Environmental Management Program, Missouri River Fish & Wildlife Mitigation**
- Superfund hazardous/toxic waste sites located on Corps projects: **0**

## 14. REGULATORY PROGRAM

- Standard and letter permits issued in Fiscal Year 2003: **7,075** Permits denied: **299**
- Activities authorized through regional permits: **43,486**
- Activities authorized through nationwide permits: **35,317**
- Percentage of permit actions completed within 60 days: **88%**
- Acres of wetlands where activity was permitted: **21,330**
- Acres of wetland restoration/creation/mitigation required by those permits: **43,379**
- Acres of wetland loss avoided through process: **5,824**

## 15. HYDROPOWER

- Number of projects in operation: **75**, with **346** generating units
- Installed generating capacity: **20,720** megawatts
- Power generated (FY 2000): **96.1** billion kilowatt-hours
- USACE owns & operates **24%** of U.S. hydropower capacity, or **3%** of total U.S. electric capacity
- Revenue from power sales (2002 estimate): **\$700 million**
- Nonfederal power plants at Corps facilities (not counted above): **67**, with **1,957** megawatts capacity

## 16. RECREATION

- Corps rank among Federal providers of Outdoor Recreation: **#1**
- Visits per year: **375 million** **10%** of U.S. population visits at least one Corps project each year
- Number of sites: **4,330** at **456** Corps projects (mostly lakes)
- 80%** of Corps recreation sites are within 50 miles of a large U.S. city
- Land used for recreation: **12 million acres**— USACE hosts **20%** of visits to Federal recreation areas on **2%** of Federal lands
- Miles of shoreline: **56,000**
- Number of campsites: **101,000**
- Miles of trails: **5,000**
- Number of boat launch ramps: **3,800**
- Share of all U.S. freshwater lake fishing: **33%** — **200,000** fishing tournaments a year
- Spent by visitors at Corps projects: **\$15 billion**
- Jobs (full or part time) supported by visitation: **500,000**
- Concessionaires on Corps projects: **500**, with gross fixed assets of **\$1 billion**
- Volunteers at Corps projects: **70,400** Hours worked: **1.3 million**

## 17. WATER STORAGE

- Total capacity of major Corps lakes: **329.2 million acre-feet**
- Total authorized municipal & industrial water supply storage: **9.52 million acre-feet**
- Projects with authorized municipal & industrial water supply storage: **153**
- Projects with authorized irrigation storage: **117**
- Projects with authorized conservation storage for fish and wildlife: **153**
- Projects with environmental storage to prevent extremely low river flows: **89**

## 18. EMERGENCY OPERATIONS

- Disasters responded to in 2003: **Floods in California, Washington, West Virginia, Virginia, Indiana, Ohio, Puerto Rico; Tornadoes in Missouri, Illinois, Tennessee; Wildfires in California; Hurricane Isabel (NC, VA, DC, MD)**