

INFORMATION PAPER

CECW-ZD
31 January 2007

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 2006, or for the fiscal year ending that date, unless otherwise specified.*

FACTS:

1. PEOPLE

- Civilian employee work years (FTE's), FY 2006: **22,118**
- Military personnel authorized: **294**

2. DIVISIONS & DISTRICTS:

- Number of division offices with Civil Works mission: **8**
- Number of district offices: **38**

3. FUNDING, Fiscal Year 2007 (regular appropriation, not including supplementals): **\$5.329 billion**

- Construction: **\$2.348 billion**
- Operation and Maintenance: **\$1.969 billion**
- Mississippi River and Tributaries: **\$396 million**
- Investigations: **\$162 million**
- Regulatory Program: **\$158 million**
- Formerly Used Sites Remedial Action Program (radiological environmental cleanup) **\$139 million**
- Expenses and Other: **\$156 million**
- Other revenue, (estimated)
 - Non-federal contribution (cost-sharing): **\$445 million**
 - Coastal Wetlands Restoration Trust Fund: **\$61 million**
 - Project land rentals, license fees, etc.: **\$18 million**

4. FUNDING BY BUSINESS LINE, FY 2006 (not including Supplemental Appropriations):

- Navigation: **\$2.039 billion (38%)**
- Flood & Storm Damage Reduction: **\$1.497 billion (28%)**
- Environmental & Regulatory: **\$899 million (17%)**
- Hydropower: **\$285 million (5%)**
- Recreation: **\$267 million (5%)**
- Executive Direction & Management: **\$156 million (3%)**
- Other: **\$182 million (3%)**

5. FUNDS SPENT on water resources projects, thru FY 06: **\$149 billion**. Adjusted for inflation to 2006: **\$348 billion**

6. CONTRACTS LET, FY06: **\$4.738 billion**

- To Small Businesses: **\$2.235 billion (47.2%)**

7. PROJECTS UNDER CONSTRUCTION, 30 Sep 06: **1,095**

- Specifically authorized by Congress: **504**
- "Continuing Authorities" Projects: **591** (Nine authorities, including environmental)

8. DAMS owned/operated by Corps (all purposes) **608**

- Dams built by Corps but operated by others: **100**
- Tallest dam: **Dworshak Dam, North Fork Clearwater River, ID, 717 ft.**

9. REAL ESTATE managed:

11.7 million acres (18,281 square miles)

- Total lake surface area at full pool: **26,250,000 acres (41,015 square miles)**
- Largest lake: **Lake Oahe, ND & SD, 587.5 square miles**

10. NAVIGATION

- States served by Corps ports & waterways: **41 (including all States east of Mississippi River)**

- Commercial inland navigation channels operated/maintained: **12,000 miles**

- Percentage of U.S. domestic freight carried by water (by ton-miles): **15%**

- Navigation lock chambers owned and/or operated: **257** at **212** sites (**240 O&M-funded** at **195 sites**)

- Locks chambers in operation over 50 years old: **124**;
Oldest opened **1839 (Kentucky River Locks #1 & 2)**

- Combined lift of all Corps locks: **6,498 ft.**

- Highest lift: **John Day Lock, Columbia R., OR, 110 ft.**
- Most cargo moved: **Ohio River Lock #52, 299.1 million tons (2005)**

- U.S. companies operating vessels on waterways (2005): **2,776**

- Coastal, Great Lakes and inland harbors maintained by Corps: **926**

- Harbors handling over 250,000 tons of cargo: **191 (112 coastal, 52 Great Lakes, 27 inland) (2005)**

- Port handling most cargo: **South Louisiana, 224.2 million tons (2005)**

- Value of foreign commerce handled at ports (2005): **\$1.115 trillion**

- Tonnage handled by U.S. ports and waterways (2004): **2,551.9 million tons**

- Inbound foreign: **1,089.1 million tons**, Outbound foreign: **415.8 million tons**, Domestic: **1,047.1 million tons**

- Major commodities: **Crude oil, 616.2 million tons;**
petroleum products, 510.9 million tons;
coal, 293.8 million tons;
food & farm products, 271.3 million tons

- Projects under construction, 30 Sep 06: **74** (excludes Continuing Authorities)

11. DREDGING

- Material dredged (construction and maintenance): **255.1 million cubic yards (2005)**

- Cost (FY 05): **\$956.5 million**. Average cost per cubic yard: **\$3.75**

- Percentage of material dredged by private firms (2005): **89.7%**

- Companies dredging for Corps: **40 (28 small businesses)** out of **66** submitting **289** bids for **122** contracts

- Corps-owned dredges: **11 (4 hopper, 7 other)**

12. SUPPORT TO OTHER (NON-DEFENSE) GOVERNMENT AGENCIES:

- Number of Federal agencies supported: **Over 70**

- Expenditures for FY06: **\$4.0 billion**

- Biggest Customers:

Federal Emergency Management Agency (FEMA-DHS), \$3.2 billion;

Environmental Protection Agency (EPA), \$287 million;
Border & Transportation Security (BTS-DHS), \$181 million;

Department of Energy, \$46.6 million

National Aeronautics & Space Administration (NASA) \$31.4 million;

13. 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 Sep 06: **270** (excludes Continuing Authorities)
- Average annual damages prevented by Corps projects (1996-2004): **\$21.688 billion**
 - Cumulative damage prevented, 1928-2003 (Adjusted for inflation): **\$801 billion**
- Flood control expenditures, 1928-2003: (Adjusted for inflation): **\$125.73 billion**
 - Damage prevented per dollar expended, 1928-2003 (adjusted for inflation): **\$6.37**
- Flood damage suffered per year in U.S. (1996-2003): **\$4.152 billion**

14. ENVIRONMENTAL PROTECTION

- Projects under construction, 30 Sep 06: **137** (excludes Continuing Authorities)
- Largest projects:
 - Comprehensive Everglades Restoration Program,**
 - Columbia River Fish & Wildlife Mitigation,**
 - Upper Mississippi River Environmental Management Program,**
 - Missouri River Fish & Wildlife Mitigation**

15. REGULATORY PROGRAM

- Activities permitted in Fiscal Year 2006: **96,500**
 - Standard and letter permits: **8,500**
 - Authorized through regional permits: **46,000**
 - Authorized through nationwide permits: **42,000**
- Permits denied: **200**; Withdrawn by applicant: **4,000**
- Percentage of permit actions completed within 60 days: **80%**
- Jurisdictional determinations: **100,000+**
- Acres of wetlands where activity was permitted: **13,887**
- Acres of wetland restoration/creation/mitigation required by those permits: **38,727**
- Acres of wetland loss avoided through process: **3,618**
- Compliance visits made to **10%** of sites requiring mitigation

16. HYDROPOWER

- Number of projects in operation: **75**, with **350** generating units
- Installed generating capacity: **21,747** megawatts, largest U.S. hydropower capability
 - Largest USACE power plant: **2,458 megawatts, Chief Joseph Dam, Columbia River, WA**
 - Largest generating unit: **220 megawatts, Dworshak Dam, North Fork Clearwater River, ID**
- Annual power generation: **70.9** billion kilowatt-hours
- USACE owns & operates **24%** of U.S. hydropower capacity, or **3%** of total U.S. electric capacity
- Repayment to U.S. Treasury from power sales (estimate): **\$800 million**
- FERC licensed non-federal power plants at Corps facilities (not counted above): **67**, with **1,957** megawatts capacity

17. RECREATION

- Corps rank among Federal providers of Outdoor Recreation: **#1**
- Visits per year: **368 million**
- **10%** of U.S. population visits a Corps project at least once each year
- Number of sites: **4,485** at **423** 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: **54,730**
- Number of campsites: **89,142**
- Miles of trails: **4,606**
- Number of boat launch ramps: **3,413**
- 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: **52,366**; Hours worked: **1.3 million**

18. WATER SUPPLY

- Total capacity of major Corps lakes: **329.2 million acre-feet**
- Total authorized municipal & industrial water supply storage: **9.76 million acre-feet**
- Total investment associated with municipal & industrial water supply storage: **\$1.5 billion**
- Projects with authorized municipal & industrial water supply storage: **136, in 25 states plus Puerto Rico**
- Projects with authorized irrigation storage: **48**

19. EMERGENCY OPERATIONS

- Major disasters responded to in 2006: **Continued recovery from Hurricanes Katrina, Rita & Wilma, affecting Texas, Louisiana, Mississippi, Alabama and Florida; Hurricane Ernesto (Florida); San Joaquin River flooding (California); tornadoes in Arkansas, Missouri & Tennessee; late June floods in Maryland, Delaware, Pennsylvania, New Jersey & New York; Hawaii (Big Island) Earthquake; November flooding in Washington & Oregon.**
- Spent to rehabilitate flood damage reduction projects damaged by coastal storms & floods: **\$2,284,855,964**
 - Of which **\$2,115,819,555** was for New Orleans
- Corps employees deployed to support emergency operations: **9,000+**
 - Emergency preparedness activities: **\$22,787,901**
 - Temporary roofs complete: **192,604**
 - Temporary housing units complete: **49,326**
 - Emergency electric generators installed: **914**
 - Debris removed: **60,000,000** cubic yards
- New Orleans Area Hurricane Protection:
 - Current level of protection is equal to or better than pre-Katrina
 - All **220** miles of damaged levees and floodwalls repaired
 - Completed temporary outfall canal floodgates
 - Pumping at outfall canals is approximately 60% of full planned capacity, estimated it will reach goal 100% pumping capacity by Jul/Aug 07
 - Hurricane and Storm Damage Reduction System includes **269** Contracts:
 - * **38** complete
 - * **47** under construction
 - * **184** in design & planning