

INFORMATION PAPER

CECW-ZD
28 February 2002

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 2001, or for the fiscal year ending that date, unless otherwise specified.*

FACTS:

1. Total Fiscal Year 2002 Appropriation: **\$4.625 billion** (B)
 - Construction, General: **\$1.716 billion**
 - Operations and Maintenance, General: **\$2,014 billion** (includes supplemental)
 - Mississippi River and Tributaries: **\$346 million**
 - General Investigations: **\$154 million**
 - Regulatory Program: **\$127 million**
 - Flood Control & Coastal Emergencies: Funded from prior year appropriations
 - Formerly Used Sites Remedial Action Program (radiological environmental cleanup) **\$140 million**
 - General Expenses: **\$153 million**
2. Non-federal cash contribution expected, FY 2002: **\$329 million** (B)
3. Revenue generated by Trust Funds, FY 2001 (B)
 - Inland Waterway Trust Fund: **\$114.4 million** Equity in fund: **\$411.2 million**
 - Harbor Maintenance Trust Fund: **\$638.4 million** Equity in fund: **\$1.82 billion**
4. Number of projects under construction: **1,481**
 - Specifically authorized by Congress: **454** (B)
 - "Continuing Authorities" Projects: **1,027** (Nine authorities, including environmental) (B)
5. NAVIGATION
 - States served by Corps ports & waterways: **41 (including all states east of Mississippi River)**
 - Commercial navigation (shallow draft) channels operated/maintained: **10,790 miles**
 - Navigation lock chambers owned and/or operated: **276** at **230** sites (*240 O&M-funded at 195 sites*) (IWR)
 - Locks in operation over 100 years old: **9**; over 50 years old: **142**; Oldest 2 locks opened in **1839**
 - Highest lift: **John Day Lock, Columbia River, OR, 110 ft.**
 - Most cargo moved (2000): **Ohio River Lock #52, 95 million tons**
 - Most pleasure craft lockages (2000): **Hiram M. Chittenden Lock, Seattle, WA, 48,986**
 - Coastal, Great Lakes and inland harbors maintained by Corps: **926**
 - Harbors handling over 250,000 tons of cargo: **197 (118 coastal, 53 Great Lakes, 26 inland)**
 - Tonnage handled by U.S. ports and waterways (2000): **2,461.6 million tons**
 - Inbound foreign: **976.8 million tons**, Outbound foreign **415.0 million tons**, Domestic trade **1069.8 million tons**
 - Major commodities: **Crude oil, 608.5 million tons; petroleum products, 472.5 million tons; coal, 285.9 million tons; food & farm products, 283.3 million tons**
 - Port handling most cargo: **Port of South Louisiana, 217.8 million tons**
 - Value of foreign commerce handled at ports (2000): **\$756.9 billion**
 - Jobs generated by all domestic and foreign waterborne commerce at ports (MARAD 1996): **13.1 million**
 - Federal taxes generated by all waterborne commerce at ports (MARAD 1996): **\$146.4 billion**
 - Material dredged per year (construction and maintenance averages): **285 million cubic yards** (FY2000)
 - Dredges & other vessels owned/operated: **1,100** (O)
6. FLOOD CONTROL (E)
 - Major lakes and reservoirs managed by the Corps: **383**
 - Federal levees constructed or controlled by the Corps: **8,500 miles**
 - Average annual damages prevented by Corps projects (1991-2000): **\$20.8 billion**
 - Damage prevented in 2000: **\$2.8 billion (\$2.1 billion by Corps controlled reservoirs, \$0.6 billion by Corps levees, \$0.05 million by emergency operations)**
 - Cumulative damage prevented, 1928-2000: **\$419 billion** Adjusted for inflation: **\$709 billion**
 - Flood damage suffered per year in U.S.(1991-2000): **\$4.5 billion**
 - Damage suffered in 2000: **\$5.5 billion**
 - Flood control expenditures, 1928-2000: **\$43.6 billion**, Adjusted for inflation: **\$122 billion**
 - Damage prevented per dollar expended, 1928-2000 (adjusted for inflation): **\$6.08**

- Lives lost due to floods dropped from an average **179** per year (1972-81) to **89** (1991-2000)
 - Stream or environmental gauging stations used by Corps: **8,810**
 - Stream or environmental data readings collected daily by Corps & shared with other agencies & public: **100,000**
7. FLOOD PLAIN MANAGEMENT SERVICES (P)
- Responses to requests for information in Fiscal Year 2001: **40,100**
 - Value of property affected by FPMS guidance: **\$5.9 billion**
8. ENVIRONMENTAL PROTECTION
- Environmental activities within Fiscal Year 2002 appropriation: **\$1.346 billion** (B)
 - Percentage of total appropriation: **30%** (B)
 - Environmental Support for Others & Coastal Wetlands Trust Fund work: **\$316 million** (B)
 - Sec. 1135 (Project Modifications for Environmental Improvement) FY 2002 appropriation: **\$20.4 million** (B)
 - Sec. 206 (Aquatic Ecosystem Restoration) FY 2002 appropriation: **\$20 million** (B)
 - Coastal America projects in which Corps has lead or co-lead: **140** (P)
 - Superfund hazardous/toxic waste sites located on Corps projects: **0** (O)
9. REGULATORY PROGRAM (O)
- Standard and letter permits issued in Fiscal Year 2001: **7,225** Permits denied: **171**
 - Activities authorized through regional permits: **38,759**
 - Activities authorized through nationwide permits: **37,088**
 - Percentage of permit actions completed within 60 days: **88%**
 - Acres of wetlands where activity was permitted: **24,073**
 - Acres of wetland restoration/creation/mitigation required by those permits: **43,832**
10. EMERGENCY OPERATIONS (O)
- Disasters responded to in FY 01: **Tropical Storm Allison (Texas); Sep. 11 World Trade Center and Pentagon attacks.**
11. HYDROPOWER (E)
- 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 (2000 estimate): **\$444 million**
 - Nonfederal power plants at Corps facilities (not counted above): **67**, with **1,957** megawatts capacity
12. RECREATION (O)
- Number of sites: **4,340** at **463** Corps projects (mostly lakes)
 - 10%** of U.S. population visits at least one Corps project each year
 - Visits in FY 2000: **376 million**
 - 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: **70,000** Hours worked, FY 2000: **1,275,947**
13. WATER STORAGE (E)
- 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**
14. REAL ESTATE managed (including underwater): **11.7 million acres (18,281 square miles)** (O)
- Total lake surface area at full pool: **9,934,000 acres (15,522 square miles)**
 - Largest lake: **Lake Sakakawea, ND, 563 square miles**
15. PERSONNEL
- Civilian employee work years worked (FTE's), Fiscal Year 2001: **24,670** (RM)
 - Number of military personnel assigned (30 Sep 01): **172** (HR)
16. Number of division offices with Civil Works mission: **8** District offices: **38**