PLANNING ASSISTANCE TO STATES & FLOOD PLAIN MANAGEMENT SERVICES REMAINING ITEMS INVESTIGATIONS

TECHNICAL SERVICE PROGRAM UPDATE

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Planning Assistance to States (PAS)

**Purpose** – Make USACE expertise available for efforts pertaining to planning for water and related resources.

**Authority** – Section 22, WRDA 1974, as amended

Flood Plain Management Services (FPMS)

**Purpose** - Foster understanding of flood risks and flood risk management, and promote prudent use and management of floodplains.

**Authority** – Section 206 of the Flood Control Act of 1960

PAS and FPMS have the flexibility and resources to address water resources problems from a local or regional perspective.
PLANNING ASSISTANCE TO STATES

Who can sponsor a PAS study

A state; group of states;
Non-federal public bodies;
Federally-recognized Indian Tribes;
Specified territories;
Not for profits;
Regional coalition of government entities.

Work Description: Efforts and services pertaining to the planning for and technical analysis of water and related resources of a drainage basin, watersheds or ecosystems or larger region of a state.

Comprehensive Water Resources Planning

Planning for the development, utilization, and conservation of the water and related resources of drainage basins, watersheds, or ecosystems, including plans to comprehensively address water resources challenges such as the state water plan.

Typical water resources problems and opportunities included in comprehensive state water resource planning efforts include: flood risk management, water supply, water conservation, environmental restoration, water quality, hydropower, erosion, navigation, fish and wildlife, cultural resources, and environmental resources.

Funding Restrictions:

Comprehensive Water Resources Planning: Cost shared 50% local-50% Federal, with the local contribution in cash or as work in kind. Sponsor contributed funds are allowable.

$484,000 cost share waiver are available for Indian tribes, the Commonwealth of Puerto Rico, Guam, American Samoa, the Virgin Islands, the Commonwealth of the Northern Marianas, and the Trust Territory of the Pacific Islands.

Technical Assistance

Technical work related to management of state water resources in support of a water resources management plan, related land resources development plan or other water resources management related planning documents.

Coastal assessments for natural and nature-based infrastructure, stream and wetland assessments, sewer and stormwater infrastructure inventories and databases, coast-shed and watershed planning, flood risk assessments, GIS mapping, water supply demands, etc.

Funding Restrictions:

Technical Assistance: Cost shared 50% local-50% Federal, with the local contribution in cash. Sponsor contributed funds are allowable.
Partner: Prince William County, VA

Prince William County, VA, requested assistance to develop a sustainable plan to eliminate/reduce erosion within Little Bull Run, which drains approximately 186 square miles. USACE will:

- Conduct field investigations
- Complete surveys
- Prepare a technical report describing the methodology used and the results of the study, including conceptual restoration plans

The planning-level report will estimate the potential water quality improvements and recommendation for future modeling.

Total project costs: $60K
Federal funding to date: $30K
Non-Federal funding to date: $30K
FLOOD PLAIN MANAGEMENT SERVICES

Who can participate – Non-federal interests, Federal agencies and private sector entities.

Work Description: Provide a full range of information, technical services, and planning guidance and assistance on floods and flood plain issues through advice, education, information and technical support to state, regional or local governments; other non-Federal public agencies and Indian tribes.

General Technical Services
Communicate readily available information and assist with floodplain and flood risk issues.

Special Studies
Assistance and guidance on all aspects of floodplain management planning, including off-floodplain uses that may affect the floodplain.

Flood inundation tools and mapping, risk communication, flood risk assessments, mitigation planning, post-flood documentation, emergency table top exercises, flood preparedness, nonstructural floodplain management support, evacuation planning, etc.

Funding Restrictions:
FPMS support is 100% federally funding, with potential for a non-Federal interest to provide additional voluntary contributions.

Other Federal agencies and private persons on a cost recovery basis.

National Nonstructural Committee
Provides technical expertise on all aspects of nonstructural flood risk reduction adaptive measures, focusing on reducing the consequences of flooding.

Interagency Nonstructural
Promotes small flood risk management efforts that emphasize development and implementation of nonstructural approaches to manage and reduce flood risks. These efforts are undertaken in conjunction with partners to achieve benefits that could not be achieved by any one party alone.

National Hurricane Program
Works closely with emergency management organizations to maintain the capability and capacity to respond to the threats posed by coastal storms.

Funding Restrictions:
Cost reimbursable or cost shared.
FLOOD PLAIN MANAGEMENT SERVICES

Knik-Matanuska Floodplain Study (May 2014)

In June 2012, the Butte area was moderately flooded. The USGS attributed the high flows in the Matanuska and Knik Rivers to a quick snowmelt due to warmer than normal temperatures. This special floodplain study was initiated in response to multiple inquiries to the US Army Corps of Engineers (USACE) for floodplain elevation information in the Bodenburg Butte area of the Matanuska-Susitna Borough (MSB), Alaska. The 10-, 25-, 50-, 100- and 500-year profiles were derived from the calibrated HEC-RAS models developed for the Knik and Matanuska Rivers. The one-percent-chance exceedance flow for the Matanuska and Knik Rivers were mapped per FEMA detailed riverine analysis procedures.
Investigations: Work and efforts providing local communities with technical and planning assistance.

Investigations Remaining Items: Work and efforts providing local communities with technical and planning assistance that are not specified for use on a study within a particular state.

What does this mean?
INVESTIGATIONS LANDSCAPE

WHAT DOES THIS MEAN?

Congressional and Administrative wants us to succeed

Funding: PAS and FPMS = 26% of Investigations budget
Increased appropriations over the last 3 fiscal years

Legislation: Broadened who can sponsor a study
Raised programmatic appropriations ceiling
Increased cost share waivers for underserved communities

WHY THIS IS IMPORTANT

PAS and FPMS have the flexibility and resources to address water resources problems from a local or regional perspective.
PAS AND FPMS PROCESS

1. Identify a water resourced related problem

Outreach to high/moderate risk communities; comprehensive planning priority areas; known needs; visioning sessions; in the course of ongoing investigations, i.e., issues identified, but not suitable for a GI or CAP study

2. Identify the most suitable USACE program

PAS – Water resources problems and planning
FPMS – Flood plains and flooding

3. Develop problem statement/scope

Developed with the sponsor/customer.
PAS AND FPMS PROCESS

Planning Assistance to States

4. Coordinate and execute a project partnership agreement

Reference
https://www.usace.army.mil/Missions/Civil-Works/Project-Partnership-Agreements/

5. Request/receive funding

Available upon request, first come first served

6. Execute study

12-24 month performance period

Flood Plain Management Services

4. Request/receive funding

Available upon request, first come first served

5. Execute study

12-24 month performance period
Questions?

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