



# Planning Assistance to States

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG.

**PURPOSE:** Planning Assistance to States (PAS), Section 22 of the 1974 Water Resources Development Act (WRDA), as amended, authorizes the Corps to help States, local governments, Indian Tribes and other governmental non-Federal entities with comprehensive planning for the development, use, and conservation of water and related land resources. Projects are generally regional or statewide in scope, but can also be for individual communities as long as the project is compatible with the State Water Plan. Under this program, the Corps may not participate in any formal design or implementation activities.

**TYPES OF PROJECTS:** The following list gives examples of studies that can be done under the PAS program:

1) **Development of a Comprehensive Water Plan to include:**

- **Water Supply Studies:** Preparing inventories of major water suppliers and users within the state, evaluation of alternative water sources, evaluation of future water needs, or analysis of a water distribution system.
- **Water Conservation:** Examining current or projected water demands and potential conservation measures.
- **Water Quality Modeling for Contaminant Dispersion:** Determining the effects on water quality of municipal or industrial discharges, runoff, or recreation uses.

2) **Flood Risk Management:** Developing or updating rainfall/runoff for stream flow models, delineating flood areas, defining floodways, or assessing flood control alternatives.

3) **Flood Preparedness Plans:** Developing or updating evacuation plans and flood-warning systems. Evaluating nonstructural methods of flood protection.

4) **Wetlands Evaluation:** Evaluating the effects of current or future developments on wetlands. Developing an inventory of wetlands.

5) **Coastal Zone Management/Protection Studies:** Evaluating the effects of lateral drift and coastal currents, hydraulic & hydrology studies or sediment transport modeling.

6) **Harbor/Port Studies:** Analysis of wave action, currents, sediment, erosion, structure analysis, and harbor functionality.

5) **Navigation:** Inventorying types of traffic, benefits, and maintenance costs for channels and harbors.

6) **Erosion and Sedimentation:** Evaluating erosion potential of proposed projects, surveying reservoirs and sampling inflows to determine effects of sedimentation on storage volumes, or sampling and monitoring movements of contaminated sediments.

7) **Dam Safety:** Assisting in inspecting dams and identifying solutions to problems. Running dam breach models and defining downstream inundation areas.

8) **Drought Planning:** Conducting low flow studies. Studying the effects of drought on water supply, water quality, and wildlife.

9) **Groundwater Studies:** Examining quantity and quality of well yields, compiling databases of groundwater sources and uses, determining recharge areas of groundwater sources.

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U.S. ARMY CORPS OF ENGINEERS – DETROIT DISTRICT

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10) **State Water Plan:** Assisting the state in developing or updating a statewide plan for water management, including the development of policies and regulations, and implementation of the plan.

11) **Recreational Master Planning:** Analyzing long-term recreational needs for a region or state.

Typical studies are limited to planning and do not include detailed design or project construction.

**FUNDING:** A maximum of \$5,000,000 is authorized to be appropriated annually to the Planning Assistance Program Nationwide. Each state or Indian Tribe is authorized to be appropriated \$2,000,000 annually. The Corps of Engineers will accommodate as many studies as possible within the funding allotment. Costs are shared 50 percent Federal and 50 percent non-Federal. The non-federal 50% share can be made up of all in-kind services, all cash, or a combination of cash and in-kind services.

**REQUEST FOR ASSISTANCE:** Request for assistance should be submitted in the form of a Letter of Intent from a state, Indian Tribe, or local government agency to the U.S. Army Corps of Engineers, Detroit District. Samples are available upon request and should be mailed to: **U.S. Army Corps of Engineers – Detroit District, Attn: Chief, Planning Office, 7<sup>th</sup> Floor, 477 Michigan Ave., Detroit, MI 48226.** After receipt of a written request, the Detroit District will contact the applicant by telephone to confirm receipt of the letter and discuss the particulars of the request and process.

**FOR MORE INFORMATION:** For more information, please contact the Detroit District Program Coordinator at (313)-226-2099 or E-mail at [lre.district.outreach@usace.army.mil](mailto:lre.district.outreach@usace.army.mil).