

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**INTERAGENCY AGREEMENT**

PAGE 1 OF 10

1. INTERAGENCY AGREEMENT NO. EMW-95-E-4762  
 2. EFFECTIVE DATE See Block 16  
 3. PROJECT/REQUISITION NO. 256107

ISSUED BY  
 Federal Emergency Management Agency  
 Acquisition Services Division/OS-AQ  
 Operations, Recovery & Preparedness Branch  
 500 C Street, S.W., Room 408A  
 Washington, D.C. 20472

5. NAME, TITLE & PHONE NUMBER OF EACH GOVERNMENT PROJECT OFFICER FOR BOTH AGENCIES  
Eugene Zeizel / (202) 646-2802  
 (FEMA PO)  
*Apr 95*

6. AGENCY PERFORMING SERVICE  
 US Army Corp of Engineers, CECW-PF  
 20 Massachusetts Avenue, NW  
 Washington, DC 20314-1000  
 Attn: Charles Chesnutt

Charles Chesnut / (202) ~~272-0169~~  
 (Other Agency's Project Monitor)  
*761-0523*

7. PROJECT TITLE  
 Hurricane Preparedness Studies for Gulf and Atlantic Coastal Areas.

8. PROJECT OBJECTIVE  
 The Study of Hurricane Evacuation Studies.  
 Also See Appendix A - Hurricane Evacuation Study (8 pages).

PERFORMANCE PERIOD OF AGREEMENT  
 Effective Date of Award to April 7, 1996

10. ACCOUNTING AND APPROPRIATION DATA  
 95-3-2200-2589-2-2000 (F) \$856,700.00

11. DOLLAR VALUE OF AGREEMENT  
 \$856,700.00

12. FUNDING (The Federal Emergency Management Agency agrees to advance/reimburse funds up to the dollar amount of this agreement, upon receipt of a properly executed Standard Form 1080 or 1081. The appropriate form must be executed in original and six copies, be identified with agreement number and accounting data, and transmitted to the following office for funds action.)

FEMA  
 Office of Financial Management  
 Disbursements Processing Branch  
 500 C Street, SW; RM 723  
 Washington, DC 20472

FEMA will reimburse the COE for expenses incurred in providing the requested assistance with the exception of those that may be caused by administrative error, (an example is payment of interest due to late payments).

(Any funds not utilized for the performance of the work described in this agreement must be returned to the Federal Emergency Management Agency.)

13. PURSUANT TO THE AUTHORITY OF  
 Disaster Relief Act of 1974 (PL 93-288 Section 302(a))

(The Federal Emergency Management Agency may enter into this agreement. the person executing this agreement has a written delegation of authority to do so on behalf of the agency.)

SIGNATURE OF PERSON AUTHORIZED TO SIGN  


DATE  
*19 Apr 95*

16. SIGNATURE OF PERSON AUTHORIZED TO SIGN  
 SIGN

DATE

15. TYPE NAME & TITLE OF PERSON AUTHORIZED TO SIGN  
 Gary W. Wright, Col., U. S. Army  
 Executive Director of Civil Works, OCE

17. TYPE NAME & TITLE OF PERSON AUTHORIZED TO SIGN  
 H. Robert Weiss  
 Contracting Officer  
**FEDERAL EMERGENCY MANAGEMENT AGENCY**

MEMORANDUM OF AGREEMENT  
BETWEEN  
U.S. DEPARTMENT OF THE ARMY  
AND  
FEDERAL EMERGENCY MANAGEMENT AGENCY  
FOR  
COOPERATIVE HURRICANE EVACUATION STUDY PROGRAM

5/87

I. Title

Cooperative Hurricane Evacuation Study Program

II. Introduction

A. The Federal Emergency Management Agency (FEMA) has the major Federal responsibility for the management of the Hurricane Evacuation Study Program. Because of the Corps of Engineers (Corps) authority and technical expertise in flood plain management planning, in general, and in hurricane evacuation planning, in particular, the Corps has provided support to FEMA in the conduct of such studies.

B. The primary objective of a hurricane evacuation study is to provide detailed technical data on the hurricane threat, population affected by various levels of hurricanes, likely response of the population, transportation routes and evacuation times, shelters, institutions requiring special assistance, and other related planning factors. The principal study product is a report which documents the study results. The reports are used by states, counties, and municipalities to develop or update and refine their hurricane evacuation plans.

III. Purpose

The purpose of this Agreement is to outline US Army and FEMA responsibilities to cooperatively fund and manage hurricane evacuation studies.

IV. General Roles and Authorities

A. FEMA has the primary authority, through Executive Order 12148, to carry out functions of the Disaster Relief Act of 1974 (P.L.93-288). FEMA, therefore, has the lead role to ensure that hurricane evacuation studies, as needed, are prepared in conformance with FEMA guidance and procedures, CPG 2-16/December 1984, "A Guide to Hurricane Preparedness Planning for State and Local Officials."

B. The Corps of Engineers through Section 206 of the 1960 Flood Control Act (as amended) has the authority and responsibility to provide flood plain management information and planning assistance to other Federal agencies, states, counties and local governments, and carries out this work under the Flood Plain Management Services (FPMS) Program. In cooperation with FEMA, the Corps will manage these joint Hurricane Evacuation Studies by conducting the technical analyses, preparing the

technical data report, and assisting local governments in the development of evacuation implementation guides and public information brochures.

V. Selection of Study Areas

The Hurricane Evacuation Studies to be conducted under this agreement will be selected jointly by FEMA and the Corps. The selection shall be based on the following criteria: (1) request by the state, (2) ranking by priority of need, and (3) the availability of funds.

VI. Basic Components of a Hurricane Evacuation Study

The Corps of Engineers shall perform the Hurricane Evacuation Studies in accordance with the Corps "Technical Guidelines for Hurricane Evacuation Studies," dated 1984. The major tasks for a Hurricane Evacuation Study shall include:

- \* Coordination
- \* Hazard analysis
- \* Vulnerability analysis
- \* Evacuation zones
- \* Population data
- \* Behavioral survey
- \* Transportation study
- \* Technical data report
- \* Evacuation implementation guides
- \* Public information
- \* Testing of plan

FEMA will fund, directly or through the Corps, the National Hurricane Center (NHC) of the National Weather Service to perform hurricane surge simulations using the Sea, Lake, Overland Surge from Hurricanes (SLOSH) computer model. In either case, the Corps will assist the NHC and assure that model results are fully integrated into the analyses and the study report.

VII. Reports

The reports for each Hurricane Evacuation Study will be prepared in accordance with the approved Scope of Work for each study and in accordance with Corps Technical Guidelines for Hurricane Evacuation Studies, dated November 1984 and FEMA CPG 2-16, dated December 1984.

VIII. Agreement Administration

A. FEMA agrees that:

1. FEMA Headquarters will allocate its share of the funds for each study each fiscal year to the Corps Headquarters.

2. Each FEMA Region will provide programmatic and technical supervision of each study through its assigned Project Officer.

B. U.S. Army through the Corps of Engineers agrees that:

1. Corps Headquarters will manage the overall study program and distribute Corps FPMS funds and FEMA funds to each Corps Field Operating Agency (FOA) performing a study.

2. Corps Divisions will supervise the technical conduct of the studies and review the Plan of Study and interim and final reports.

3. Corps Districts will develop the Plan of Study, which will include a schedule mutually agreed upon between FEMA and the Corps and conduct the studies in accordance with Corps and FEMA guidelines.

IX. Funding Transfer Mechanism

FEMA's Headquarters will provide the fiscal year allocation for the study program to Corps Headquarters using FEMA Form 40-3, "Interagency Agreement," signed by the FEMA's Contracting Officer and the Corps Deputy Director of Civil Works. This document will give the Corps, through its District Offices, the authority to bill FEMA Headquarters for reimbursement for their expenses on agreed to activities. The FEMA Region will oversee each project through its Project Officer. HQUSACE will manage and distribute FEMA and Corps funds to appropriate Divisions and Districts based upon the agreed study program.

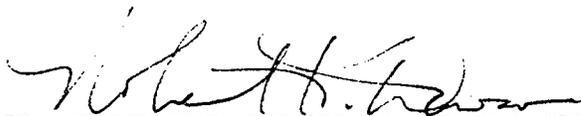
X. Duration of Agreement

This agreement shall be terminated at the completion of all the cooperative studies. Either party may terminate or suspend this Agreement after thirty (30) days written notice. Any work under obligation by an Interagency Agreement will be completed, even if this agreement is terminated.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year indicated below.

THE UNITED STATES OF AMERICA

THE UNITED STATES OF AMERICA

BY   
Assistant Secretary of the Army  
(Civil Works)

BY   
Deputy Associate Director of  
Federal Emergency Management  
Agency

DATE 3 APR 1987

DATE MAY 9 1987



# Federal Emergency Management Agency

Washington, D.C. 20472

**MAY 22 1987**

Brigadier General Peter J. Offringa  
United States Army  
Deputy Director of Civil Works  
Department of the Army  
Office of the Chief of Engineers  
Washington, D.C. 20314-1000

Dear General Offringa:

I am pleased to complete the Memorandum of Agreement between the U.S. Army Corps of Engineers and the Federal Emergency Management Agency to mutually conduct Hurricane Evacuation Studies to increase hurricane preparedness in our Nation. Enclosed are two signed copies of the Agreement.

This Agreement formalizes a long working relationship between your Flood Plain Management Services Program and our Hurricane Preparedness Program. The cooperation that our programs have had is beneficial to all. We look forward to continuing this joint effort.

Sincerely,

Dave McLoughlin  
Deputy Associate Director  
State and Local Programs and  
Support

Enclosures