
APPENDIX D: Resources

**APPENDIX D
Overview**

This appendix explains how to obtain publications covering the National Flood Insurance Program (NFIP), floodplain management, mitigation and retrofitting techniques, mitigation planning, and other flood-related subjects. It also describes some of the courses available for those who would like additional training on these topics.

Major Topics	See Page
Primary Floodplain Management Publications	D-2
Other Publications	D-4
Training Programs	D-7

**Primary
Floodplain
Management
Publications**

The following publications on NFIP floodplain management requirements, mitigation measures, and other flood-related subjects are available at no charge from the Federal Emergency Management Agency (FEMA). To order any of these publications, write to the address below. Please use the publication number and name when ordering.

Federal Emergency Management Agency
Attention: Publications
PO Box 2012
Jessup, MD 20794-2012

Publication	Description
F-300 - <i>How You Can Benefit From Increased Cost of Compliance Coverage</i>	Provides NFIP and ICC repair and rebuilding guidelines for owners of homes and businesses when property is damaged by a flood.
F-663 - <i>Increased Cost of Compliance: Helping To Ensure a Safer Future</i>	Provides information to policyholders on the ICC coverage in their flood insurance policy and how it can help them comply with building codes and floodplain ordinances. Also outlines the primary roles and responsibilities of each party in filing ICC claims.
F-664 - <i>ICC Flier</i>	Designed to promote ICC. Can be distributed to policyholders after a flood event.
F-665 - <i>Facts About the National Flood Insurance Program's Increased Cost of Compliance Coverage</i>	Provides a concise explanation of ICC that can be useful when promoting ICC awareness.
F-666 - <i>ICC Checklist</i>	Designed to help building officials and floodplain administrators ensure that eligible flood insurance policyholders collect ICC benefits, comply with building codes and floodplain ordinances, and create safer homes and communities.
FEMA-54 - <i>Elevated Residential Structures</i>	Covers proper design and construction methods for elevating residential buildings in floodprone areas.
FEMA-102 - <i>Floodproofing Non-Residential Structures</i>	Describes a variety of floodproofing strategies for commercial and industrial structures.
FEMA-114 - <i>Design Manual for Retrofitting Floodprone Residential Structures</i>	Presents floodproofing techniques that can be used for existing residential structures. This publication is intended primarily for use by design professionals such as architects or engineers.
FEMA-213 - <i>Answers to Questions About Substantially Damaged Buildings</i>	Provides guidance on determining whether a building has been substantially damaged.

Publication	Description
<p>FEMA-311 - <i>Guidance on Estimating Substantial Damage Using the NFIP Residential Substantial Damage Estimator</i></p>	<p>Discusses the use and capability of the RSDE software.</p>
<p>FEMA-312 - <i>Homeowner's Guide to Retrofitting: Six Ways To Protect Your House From Flooding</i></p>	<p>A guide to help homeowners take steps to protect homes damaged by flooding. Also provides protective steps for homeowners where flooding is likely to occur.</p>
<p>Technical Bulletin 1-93 - <i>Openings in Foundation Walls</i></p>	<p>Provides guidance on the NFIP regulations concerning the requirement for openings in below-base-flood-elevation (BFE) foundation walls for buildings located in Zones A, AE, A1–A30, AR, AO, and AH.</p>
<p>Technical Bulletin 3-93 - <i>Non-Residential Floodproofing – Requirements and Certification</i></p>	<p>Provides guidance on the NFIP regulations concerning watertight construction and the required certification for floodproofed non-residential buildings in Zones A, AE, A1–A30, AR, AO, and AH whose lowest floors are below the BFE.</p>
<p>Technical Bulletin 5-93 - <i>Free-of-Obstruction Requirements</i></p>	<p>Provides guidance on the NFIP regulations concerning obstructions to flood waters below elevated buildings and on building sites in Coastal High Hazard Areas (Zones V, VE, and V1–V30).</p>
<p>Technical Bulletin 10-01 - <i>Ensuring That Structures Built on Fill In or Near SFHAs Are Reasonably Safe From Flooding</i></p>	<p>Discusses building techniques, including the use of fill, that can be employed to ensure that structures are reasonably safe from flooding.</p>
<p><i>Avoiding Flood Damage: A Checklist for Homeowners</i></p>	<p>Homeowner checklist for determining ways to protect property from flooding.</p>

Other Publications

FEMA offers additional publications on flood-related topics. To order any of these publications, write to the address below. Please use the publication number and name when ordering.

Federal Emergency Management Agency
Attention: Publications
PO Box 2012
Jessup, MD 20794-2012

Publication	Description
F-206 - <i>Coping With a Flood—Before, During & After</i>	Lists actions that can be taken to protect families and keep property losses to a minimum.
F-209 - <i>Flood: Are You Protected From the Next Disaster?</i>	Provides facts and information about flood insurance available through the NFIP.
FEMA-55 - <i>Coastal Construction Manual</i>	Illustrates design and construction techniques for construction in Coastal High Hazard Areas.
FEMA-85 - <i>Manufactured Home Installation in Flood Hazard Areas</i>	Contains information about how to properly site and install a manufactured home in a flood hazard area, with emphasis on design of elevated foundations.
FEMA-116 - <i>Reducing Losses in High-Risk Flood Hazard Areas: A Guidebook for Local Officials</i>	Designed to help local government officials improve their floodplain management programs for high-risk flood hazard areas.
FEMA-258 - <i>Guide to Flood Insurance Rate Maps</i>	Provides information on how to read and use a FEMA Flood Insurance Rate Map (FIRM).
FEMA-265 - <i>Managing Floodplain Development in Approximate Zone A Areas</i>	A guide for use by community officials, property owners, developers, surveyors, and engineers who may need to determine BFEs in Special Flood Hazard Areas (SFHAs) designated as approximate Zone A on FIRMs.
FEMA-268 - <i>Protecting Floodplain Resources</i>	A guidebook for officials and citizens at the local level on protecting natural resources in floodplains. The guidebook offers suggestions on creating strategies for wisely managing floodplain natural resources.

Publication	Description
FEMA-347 - <i>Above the Flood: Elevating Your Floodprone House</i>	Includes technical and regulatory guidance, case studies, common techniques, and benefits of elevating a floodprone house.
FIA-2 - <i>Answers to Questions About the National Flood Insurance Program</i>	A pamphlet intended to acquaint the public with the NFIP.
IS-279 - <i>Engineering Principles and Practices for Retrofitting Flood Prone Residential Buildings</i>	Provides engineering design and economic guidance to engineers, architects, and local code officials about what constitute technically feasible and cost-effective retrofitting measures for floodprone residential structures.

Other Publications

The National Flood Proofing Committee, U.S. Army Corps of Engineers (USACE), has compiled a bibliography of selected floodproofing publications. In addition, the publications listed below are available from the Corps of Engineers.

To obtain copies of these publications, write to the following address:

**U.S. Army Corps of Engineers
Publications Depot
Attn: CEIM-IM-PD
2803 52nd Avenue
Hyattsville, MD 20781-1102**

Publication	Description
<p><i>Flood Proofing Regulations</i> U.S. Army Corps of Engineers, Pittsburgh District, 1992 (Corps Publication EP 1165 2-314)</p>	<p>Provides construction specifications for floodproofing new buildings.</p>
<p><i>Flood Proofing Systems & Techniques</i> U.S. Army Corps of Engineers, L.N. Flanagan, editor, 1984</p>	<p>An illustrated, easy-to-read review of 40 different buildings that have been elevated, floodproofed, or otherwise protected.</p>
<p><i>Flood Proofing: Techniques, Programs, and References</i> U.S. Army Corps of Engineers, National Flood Proofing Committee, with French and Associates, Ltd., February 1991</p>	<p>Describes retrofitting techniques and government retrofitting programs, references, and terminology.</p>
<p><i>Flood Proofing: How To Evaluate Your Options</i> U.S. Army Corps of Engineers and National Flood Proofing Committee, July 1993</p>	<p>Intended as a tool to assist in the preliminary evaluation of whether floodproofing is appropriate and what may be the best floodproofing measure to consider.</p>
<p><i>Raising and Moving the Slab-on-Grade House With Slab Attached</i> U.S. Army Corps of Engineers and National Flood Proofing Committee, 1990</p>	<p>Presents an overview of the raising and relocation process including methods and techniques, advantages of each, the steps involved, foundation design considerations, and costs.</p>

**Training
Programs**

FEMA has developed a floodplain management course, ***Managing Floodplain Development Through the National Flood Insurance Program***, to provide an organized training opportunity for local officials responsible for administering their local floodplain management ordinances. The course focuses on the NFIP and concepts of floodplain management, maps and studies, ordinance administration, and the relationship between floodplain management and flood insurance. This 1-week resident course is offered several times a year at FEMA's Emergency Management Institute (EMI) in Emmitsburg, MD. The course number is E273.

FEMA also has developed a technical training course on proper methods of retrofitting residential buildings. The course is titled ***Retrofitting Floodprone Residential Buildings***. The intended audience is design professionals and building officials as well as floodplain management officials, NFIP State Coordinators, planning and zoning officials, public works officials, and hazard mitigation officials that have building sciences knowledge. The course is available in two formats: 1) a 1-week course offered several times a year at EMI (course number E279) and 2) a 2-day field-deployed version. FEMA will provide all materials for the field course free of charge and may be able to provide, under certain circumstances, expert trainers at no charge. For technical assistance in offering the field course, contact your NFIP State Coordinator, FEMA Regional Office, or Disaster Field Office.

For courses at EMI, FEMA will reimburse customary travel expenses for State and local government officials to attend resident courses. To register, all applications must be submitted through your State Emergency Management Training Office. For more information, upcoming course dates, or an application, call (301) 447-1000 or (800) 238-3358.