

## APPENDIX D

### TECHNICAL AND FINANCIAL ASSISTANCE FOR HAZARD MITIGATION

#### HAZARD MITIGATION GRANT PROGRAM - "Section 404 Mitigation"

The Hazard Mitigation Grant Program (HMGP) in New Hampshire is administered in accordance with the 404 HMGP Administration Plan that was derived under the authority of Section 404 of the Stafford Act in accordance with Subpart N. of 44 CFR.

The program receives its funding pursuant to a Notice of Interest submitted by the Governor's Authorized Representative (or GAR, i.e. the Director of NHOEM) to the FEMA Regional Director within 60 days of the date of a Presidentially Declared Disaster. The amount of funding that may be awarded to the State/Grantee under the HMGP may not exceed 15% of (over and above) the overall funds as are awarded to the State pursuant to the Disaster Recovery programs as are listed in 44 CFR Subpart N. Section 206.431 (d) (inclusive of all Public Assistance, Individual Assistance, etc.). Within 15 days of the Disaster Declaration, an Inter-Agency Hazard Mitigation Team is convened consisting of members of various Federal, State, County, Local and Private Agencies with an interest in Disaster Recovery and Mitigation. From this meeting, a Report is produced which evaluates the event and stipulates the State's desired Mitigation initiatives.

Upon the GAR's receipt of the notice of an award of funding by the Regional Director, the State Hazard Mitigation Officer (SHMO) publishes a Notice of Interest (NOI) to all NH communities and State Agencies announcing the availability of funding and solicits applications for grants. The 404 Administrative Plan calls for a State Hazard Mitigation Team to review all applications. The Team is comprised of individuals from various State

#### ***Eligible Subgrantees include:***

- State and Local governments,
- Certain Not for Profit Corporations
- Indian Tribes or authorized tribal organizations  
Alaskan corporations not privately owned.

#### ***Minimum Project Criteria:***

- Must conform with the State's "409" Plan
- Have a beneficial impact on the Declared area
- Must conform with:
  - NFIP Floodplain Regulations
  - Wetlands Protection Regulations
  - Environmental Regulations
  - Historical Protection Regulations
- Be cost effective and substantially reduce the risk of future damage
- Not cost more than the anticipated value of the reduction of both direct damages and subsequent negative impacts to the area if future disasters were to occur i.e., min 1:1 benefit/cost ratio
- Both costs and benefits are to be computed on a "net present value" basis
- Has been determined to be the most practical, effective and environmentally sound alternative after a consideration of a range of options
- Contributes to a long-term solution to the problem it is intended to address
- Considers long-term changes and has manageable future maintenance and modification requirements.

Agencies.

**Eligible Projects** may be of any nature that will result in the protection to public or private property and include:

- Structural hazard control or protection projects
- Construction activities that will result in protection from hazards
- Retrofitting of facilities
- Certain property acquisitions or relocations
- Development of State and local mitigation standards
- Development of comprehensive hazard mitigation programs with implementation as an essential component
- Development or improvement of warning systems

## PUBLIC ASSISTANCE AND HAZARD MITIGATION

### Hazard Mitigation Section 406

Hazard Mitigation, as per Section 406 of the Stafford Act is a funding source for cost-effective measures that would reduce or eliminate the threat of future damage to a facility damaged during the disaster.

The measures must apply only to the damaged elements of a facility rather than to other, undamaged parts of the facility or to the entire system. For example, if flooding inundates a sanitary sewer and blocks the manholes with sediment, mitigation to prevent the blockage of the damaged manholes in a future event may be considered eligible.

However, work to improve undamaged manholes using the same method would not be eligible, even though the manholes are part of the same system.

Hazard mitigation measures restore a facility beyond its pre-disaster condition.

Section 406 mitigation measures are considered part of the total eligible cost of repair, restoration, reconstruction, or replacement of a facility. They are limited to measures of permanent work, and the applicant may not apply mitigation funding to alternate projects or improved projects if a new replacement facility is involved.

Upgrades required to meet applicable codes and standards are not “mitigation measures” because such measures are part of eligible restoration work.

#### **406 MITIGATION:**

*“is Hazard Mitigation that is specific to a given Disaster Declaration, specific to a given site, associated with a FEMA Damage Survey Report is referred to a ‘406 mitigation’.” This Authority is derived under Section 406 of the Stafford Act.*

*The Cost Share associated with this program is the same as with the FEMA Public Assistance Program:*

*75% FEMA*

## MITIGATION ASSISTANCE PROGRAM

*FEMA's Hazard Mitigation Assistance Program supports Hazard Mitigation planning and implementation activities that reduce long-term hazard vulnerability and risk. Funding is provided pursuant to the Stafford Act. (See 44 CFR, Part 361, Subpart A)*

This program supports the Natural Hazards Program at NHOEM and provides funding for State and Local planning, training and administrative support to both the Natural Hazards Program Officer and the State Hazard Mitigation Officer, as well as grants which promote hazard mitigation locally and statewide.

Technical Assistance sessions are provided to communities and State agencies through individual community outreach visits and regional seminars.

### Past MAP Funded Mitigation Initiatives

MAP funds have been, and are presently being used to support the Natural Hazards Program including:

- Support CEMPS, Hurricane Program and other initiatives of the Natural Hazards Program Office
- Support for Non-Commercial Service Announcements
- Support State and local officials with training and travel expenses
- Support the development of a NH Guide to Local Community Hazard Mitigation Planning and
- To bring training in community Hazard Mitigation Planning to members of the nine Regional Planning Commissions throughout the State

### Present MAP Funded Mitigation Initiatives

- Support CEMPS, Hurricane Program and other initiatives of the Natural Hazards Program Office
- Support a cooperative effort between NHOEM, NHDES-WRD and NH GRANIT, to digitize the State's Class B and Class C dams including digitization of the inundation pathways in a GIS format
- Support State and local officials with training and travel expenses
- Support continued State and local Hazard Mitigation Planning and Projects
- Support the SHMO with training and travel
- Provide Technical Assistance to State and local officials

### Future Initiatives Intended with MAP Funding

- Continued support of the Natural Hazards Officer's program initiatives
- Extend the support for the creation of local community planning
- Continued Support of State and local officials with training and travel expenses
- Provide Technical Assistance to State and local officials

### ***Mitigation Assistance Program***

- ***Create and maintain comprehensive State Hazard Mitigation Programs i.e., centrally coordinate all State Hazard Mitigation activities for all identified hazards, and provide financial and technical assistance to communities and local governments***
- ***75% FEMA - 25% State in-kind or cash***

### ***Eligible Activities***

- ***Preparedness and Response Planning***
- ***Mitigation Planning and Implementation***
- ***Public Awareness and Education***

## PROJECT IMPACT

New Hampshire began its participation in Project Impact with the nomination of the Town of Peterborough as Project Impact Community for 1998. The Town was awarded a \$500,000.00 grant to initiate Hazard Mitigation Planning and projects and to assist in building partnerships with local businesses and other entities interested in reducing the community's losses resulting from various disasters to which the community has been, or may be exposed.

With referrals from the NHOEM Field Reps, the Hazard Mitigation Team Nominated two communities for Project Impact 1999 which have been approved by FEMA. The Grant Award for Project Impact 1999 is \$300,000.00.

The State distinguished itself nationally at the Project Impact Summit held in Washington, DC in December 1998 when its selection of three communities for participation in Project Impact 1999 was announced.

The communities of Salem and Plymouth have submitted their respective project lists, which have been reviewed and approved by FEMA. The Town of Holderness (the State's 3rd highest NFIP repetitive loss community) is currently working with the Lakes Region Planning Commission toward the development of a Flood Mitigation Planning Grant application through the FMA program.

### **PROJECT IMPACT**

- ◆ States nominate communities annually
- ◆ Final selection by FEMA
- ◆ Hazard Mitigation Planning and Technical Assistance Provided
- ◆ Project and Planning Grants Awarded

*Project Impact* is designed to “**Build a Disaster Resistant Community**” by assisting them in the formation of public/private partnerships with “seed” grants. Eligible grant activities include:

- ◆ Mitigation for existing structures
- ◆ Adoption of policies or practices going to mitigating effects of hazards
- ◆ Activities that lead to building and/or sustaining public/private Hazard Mitigation partnerships

*Project Impact* also provides the States with an administrative budget, which may be used to directly support Project Impact communities and to convene statewide support for comprehensive Hazard Mitigation strategies. Funds may be used for:

- ◆ Funding training initiatives
- ◆ Support necessary travel expenses
- ◆ Provide related mini-grants to Project Impact Communities
- ◆ Fund costs of information development and dissemination in support of Project Impact
- ◆ Fund development of training packages for State and local Officials
- ◆ Fund expert short-term technical assistance to communities

## FLOOD MITIGATION ASSISTANCE PROGRAM

New Hampshire has been a participant in the Flood Mitigation Assistance Program (FMA or FMAP) since 1996/97. In order to be eligible, a community must be a participant in the National Flood Insurance Program.

In 1997, the State was awarded funds to assist communities with Flood Mitigation Planning and Projects. A Planning Grant from the 1996/97 funds was awarded to the City of Keene in 1998. In preparation for the development of the Flood Mitigation Plan, the Planning Department of the City of Keene created a digital database of its floodplain including the digitizing of its tax assessing maps as well as its Special Flood Hazard Areas in GIS layers. The Plan Draft was submitted to FEMA for review and approval in March of 2000. The Plan includes a detailed inventory of projects and a "model" project prioritization approach.

In 1998, the FMAP Planning Grant was awarded to the Town of Salem. Given the complexity of the issues in the Spicket River watershed, the Town of Salem subcontracted a substantial portion of the development of its Flood Mitigation Planning to SFC Engineering Partnership of Manchester, NH, a private engineering firm. Salem submitted a Plan and proposed projects to the State and FEMA in May of 1999 that were approved by FEMA. This made Salem the first community in NH to have a FEMA/NFIP approved Flood Mitigation Plan.

FEMA expressed its interests in prioritizing "repetitive loss" properties with 1999 project funding. Accordingly, the State made specific outreach to the Towns of Hampton, Rye and Holderness (in that order) - the State's top three repetitive loss communities - to solicit a request for the 1999 FMA Planning grant.

### ***Flood Mitigation Assistance Program***

- NFIP Funded by a % of Policy Premiums
- Planning Grants
- Technical Assistance Grants to States (10% of Project Grant)
- Project Grants to communities
- Communities must have FEMA approved Flood Mitigation Plan to receive Project Funds

### ***Eligible Projects***

*(44 CFR Part 78)*

- Elevation of NFIP insured residential structures
- Elevation and dry-proofing of NFIP insured non-residential structures
- Acquisition of NFIP insured structures and underlying real property
- Relocation of NFIP insured structures from acquired or restricted real property to sites not prone to flood hazards
- Demolition of NFIP insured structures on acquired or restricted real property
- Other activities that bring NFIP insured structures into compliance with statutorily authorized floodplain management requirements
- Beach nourishment activities that include planting native dune vegetation and/or the installation of sand fencing.
- Minor physical mitigation projects that do not duplicate the flood prevention activities of other Federal agencies and lessen the frequency of flooding or severity of flooding and decrease the predicted flood damages in localized flood problem areas. These include: modification of existing culverts and bridges, installation or modification of flood gates, stabilization of stream banks, and creation of small debris or flood/storm water retention basins in small watersheds (not dikes,

## EMERGENCY MANAGEMENT PERFORMANCE GRANT (EMGP)

*FEMA and the State co-sponsor the EMGP Program, which supports the development and updating of disaster assistance plans and capabilities and promotes educational opportunities with respect to preparedness and mitigation.*

*Authority: See Subchapter E. of 44 CFR.*

### Past EMGP initiatives include:

- Support of the position of Protection Planner/Hazard Mitigation Officer
- Installation of river gauges
- Support of the NH State Environthon School Program
- Coordinate the Voluntary Organizations Active in Disasters (VOAD) Program (See Resource Profile Annex) NHOEM via the EMGP has sponsored annual meetings with training workshops
- Sponsoring Dam Safety Training initiatives and workshops
- Production and distribution of a handbook for small embankment dam owners
- Inventory of the State's Dams
- Review of Dam Plans
- Sponsored extensive statewide, two day workshops for Granite State Incident Stress Debriefing Teams and funded educational materials
- Community visits and production of informational materials
- Assist with Plan Annex update for local Haz Mat planning.
- Funding workshops for NH Road Agents in cooperation with the T2 program of the Technology Transfer Center at the University of New Hampshire

### Present EMGP funded Hazard Mitigation initiatives

- Support the position of Protection Planner/Hazard Mitigation Officer
- Continued support of the Environthon Program
- Development of this Plan
- Providing Technical Assistance to State and local officials
- Development of Emergency Operations Plans (EOPs) for Significant and High Hazard dams

### Future EMGP funded Hazard Mitigation initiatives

- Continued Support the position of Protection Planner/Hazard Mitigation Officer
- Continued support of the Environthon Program
- Update and maintenance of this Plan
- Provide Technical Assistance to State and local officials
- Support of other planning, technical assistance and training as indicated
- Digitization of EOPs for the State's "Significant" and "High Hazard" dams to provide rapid access to information in Emergency situations and to facilitate Plan maintenance.

### ***EMERGENCY MANAGEMENT PERFORMANCE GRANT***

- *Evaluate natural hazards on a continuing basis and develop programs and actions required to mitigate such hazards*
- *Provide Technical Assistance*
- *(50% State match - cash or in kind)*

#### **Eligible Projects Include:**

- Evaluations of Natural Hazards
- Hazard Mitigation activities (i.e. Plan/ policy/program/strategy development)
- Plan updates
- Handbooks: publication & distribution
- Creating exercise materials
- Developing Standard Operating Procedures
- Training state employees
- Report of formal analysis of State enabling legislation and authorities
- Update inventory of State/local Critical Facilities
- Develop a tracking system of critical actions to be taken post-event
- Creating Damage Assessment Plans and defining procedures
- Developing Plans for procedures when no Federal Aid is forthcoming
- Creating Plans for Search and Rescue Operations
- Developing Disaster accounting procedures

***This list is not exhaustive***

## COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM

*These Federal funds are provided through the U.S. Department of Housing and Urban Development (HUD) and are administered by the CDBG Program of the New Hampshire Office of State Planning.*

Some CDBG disaster related funding has been transferred to FEMA recently and the SHMO is scheduled to receive guidance as to which specific funds and, new program management criteria.

The specific CDBG funds designated for hazard mitigation purposes are made available to address "unmet needs" pursuant to a given Disaster Declaration to States which request them. For these funds, project selection guidance is provided by NHOEM and NHOSP administers the grant.

Pursuant to Declaration DR-1144-NH, \$557,000.00 was made available to the State and pursuant to DR-1199-NH, the grant award is targeted at \$1,500,000.00.

In October of 1998, HUD announced the program guidelines for the expenditure of the DR-1144-NH related funding and the community of Salem applied for, and has received preliminary approval for funding to acquire a 19-unit trailer park in the Floodplain.

### ***Community Development Block Grant***

- **U.S. Dept. of Housing and Urban Development**
- **Funds for a Declared Disaster's "Unmet Needs"**
- **Projects must meet one of three National Objectives**
- **Provide a direct benefit to low and moderate income persons or households**
- **Prevent or eliminate slums and blight**
- **Eliminate conditions which seriously and immediately threaten the public health and welfare**

Additional conditions with respect to the expenditure of these funds includes the provision that at least 50% of the grant award must be expended in a manner which benefits individuals who earn 80% or less than the area's (county's) median income.

***The following funding sources were found on the site:***

[http://www.nesec.org/resources/grant\\_results.cfm](http://www.nesec.org/resources/grant_results.cfm)

### **CEPP TECHNICAL ASSISTANCE GRANTS PROGRAM**

To provide financial assistance to States, Local agencies, and Indian Tribes for chemical accident prevention activities that relate to the Risk Management Program under the Clean Air Act Section 112(r). To provide financial assistance to Tribes for chemical emergency planning, and community right-to-know programs which are established to prevent or eliminate unreasonable risk to the health and environment of communities within the State.

### **HAZARDOUS WASTE MANAGEMENT STATE PROGRAM SUPPORT**

To assist State governments in the development and implementation of an authorized hazardous waste management program for the purpose of controlling the generation, transportation, treatment, storage and disposal of hazardous wastes.

### **GRANTS-IN-AID FOR RAILROAD SAFETY**

To promote safety in all areas of railroad operations; reduce railroad related accidents and casualties; and to reduce damage to property caused by accidents involving any carrier of hazardous materials by providing State participation in the enforcement and promotion of safety practices.

### **HAZARDOUS MATERIALS ASSISTANCE PROGRAM**

Provide technical and financial assistance through the States to support State, local and Indian tribal governments in oil and hazardous materials emergency planning and exercising. To enhance State, Tribal and local governments capabilities to inter-operate with the National Response System (NRS). To support the Comprehensive Hazardous Materials (HAZMAT) Emergency Response - Capability Assessment Program (CHER-CAP) Activities.

### **MOTOR CARRIER SAFETY**

To protect the public from risks inherent in commercial vehicle operations on the public highways, and to minimize risks involved in moving hazardous materials over public highways.

### **STATE AND COMMUNITY HIGHWAY SAFETY**

To provide a coordinated national highway safety program to reduce traffic accidents, deaths, injuries, and property damage.

### **NH DEPARTMENT OF TRANSPORTATION**

#### **Hazard Mitigation Resource Profile**

The Department of Transportation is responsible for the planning, development and maintenance of the state transportation network. This network provides for the safe and convenient movement of people and goods throughout the state by means of a system of highways and railroads, air service, mass transit and other practicable modes of transportation in order to support state growth and economic development and promote the general welfare of the citizens of the state.

To support the mission the Department must mitigate the factors which impede the successful completion of the assigned transportation related duties. These factors include any hazards which restrict the free flow of traffic, including hurricanes, floods, ice storms and other natural disasters, and emergencies resulting from hazardous spills, nuclear power plant events and other man- caused emergencies. The full resources of the Department, including heavy trucks, loaders, graders, manpower and materials are available to combat any disaster to the state maintained system, as well as to provide preventative mitigation to lessen similar occurrences in the future.



Specific response examples include snow plowing, treating roads with sand and salt, hauling materials such as rock to support dams or roadside slopes, cutting and chipping trees, removing debris from transportation corridors, providing inspection for highways, railroads, bridges and other public facilities, and providing two-way radio communications. The Department assigns personnel to the Emergency Operations Center to coordinate response efforts, and specific duties for Seabrook Station and Vermont Yankee events are assigned to highway maintenance District offices and field personnel.

### **NEW HAMPSHIRE DRINKING WATER SOURCE PROTECTION PROGRAM**

This grant is available to public water suppliers for source water protection. The program, which began in 1997, has a total of \$200,000 available to disburse each year to eligible municipalities. Grant amounts vary from \$2,000 to \$50,000. Past grants have been used to fund a watershed assessment and protection plan; perimeter fencing to protect a wellhead area; and monitoring wells for groundwater evaluation. Past recipients include: Conway, Lebanon, Manchester, Rochester, Dover, Keene, and Portsmouth. For further information contact: Sarah Pillsbury at (603) 271-1168 or email [swap@des.state.nh.us](mailto:swap@des.state.nh.us). Go to: Drinking water source protection for on-line information and applications.

### **STATE REVOLVING FUND LOANS**

State Revolving Fund (SRF) loans are low-interest loans provided by the State to help municipalities with projects such as landfill closures, wastewater projects, public water supply improvements, and brownfields clean up. The money comes from a combination of federal grants (80 percent) and state matching funds (20 percent).

### ***Mitigation Programs of Other NH State Agencies***

The following agencies of the State of New Hampshire are directly, or indirectly involved in activities that include Hazard Mitigation Planning and/or program implementation.

*NH OSP/NFIP Program*

*NH OSP Coastal Program*

*NH DRED Division of Forests and Lands*

*NH DES Water Resources Division – Dam Safety Program*

*NH DES Wetlands Program*

*NH DES Shoreline Protection Program*