

## **Berkeley and Dorchester County Mitigation Plan Scope of Work**

The BCDCOG will update the local mitigation plan. The update will address mitigation of multiple natural hazards, including and where applicable, hazards such as flood, wind, fire, ice and geologic hazards.

### **1. PLANNING PROCESS**

- a) The BCDCOG will document the hazard mitigation planning update process by utilizing local staff (WORKGROUP) to develop the plan.
- b) As part of the public involvement process, the BCDCOG will utilize public hearings, meetings, and/or printed media to:
  - i. Solicit input from citizens and professionals with knowledge of applicable hazards.
  - ii. Solicit input regarding the feasibility of potential mitigation measures for each hazard and the prioritization of mitigation projects.

### **2. RISK ASSESSMENT (HAZARD IDENTIFICATION AND VULNERABILITY)**

- a) **HAZARD IDENTIFICATION:** The BCDCOG will update the description and prioritization of the natural hazards that have occurred within the counties. For this plan, the risk assessment section will assess each risk. The natural hazards categories, consistent with the State Hazard Mitigation Plan include, but are not limited to:
  - i. Flood-Related Hazards (river flooding, coastal flooding, erosion, dam failures as the result of coastal storms, winter storms and hurricanes) that include, at a minimum, flood hazard areas as defined by FEMA in the Flood Insurance Rate Maps (FIRMs) for the jurisdiction as well as local historical data.
  - ii. Wind-Related Hazards (hurricanes, coastal storms, winter storms, tornadoes) based on information provided by the National Weather Service and/or State Hazard Mitigation Plan. Fire-Related Hazards (drought, wildfires) based on local historical data, the National Weather Service, State Hazard Mitigation Plan, and/or other applicable plans/sources.
  - iii. Geologic Hazards (earthquakes, landslides, sink holes) based on local historical information, State Hazard Mitigation Plan, and/or other applicable plans/sources.
  - iv. Other Hazards not listed above as determined by local history and experience. Consideration may also be given to man-made hazards (i.e. chemical spills and/or fires).
- b) **HAZARD MAPPING:** Utilizing the best available, the BCDCOG will update the base map of areas affected by multiple natural hazards. In conjunction with mapping, BCDCOG will update the inventory (database) for use in developing map data layers, of the following items relative to the multiple hazard area:
  - i. Critical facilities, including, but not limited to the following:
    - a) Emergency operations center, police/fire stations
    - b) Hospitals and emergency shelters
    - c) Water and wastewater treatment plants and associated pumping stations power generation, transmission, and delivery facilities.
    - d) Special population centers, such as day-care facilities, nursing homes/elderly housing, correctional facilities
    - e) Hazardous material facilities
    - f) Evacuation routes
  - ii. All repetitive flood loss and substantial damage structures, as defined by FEMA, if applicable.

- iii. Maps that depict the location of structures, land use, and population.
  - iv. Structures will be delineated by use (e.g. residential, commercial, industrial, institutional, other).
- c) **VULNERABILITY ASSESSMENT:** Based on the previous information, BCDCOG will develop an overview of the counties' vulnerability to each specific hazard. This vulnerability assessment, if possible, will include:
- i. Types and numbers of buildings, infrastructure, and critical facilities located in the identified hazard areas.
  - ii. All existing multiple hazard protection measures within the jurisdiction, including protective measures under the National Flood Insurance Program (NFIP).
  - iii. A description of each measure and the method of enforcement and/or the point of contact responsible for implementation of each measure.
  - iv. Historical performance of each measure and a description of improvements or changes needed.
  - v. General description of land uses and development trends to incorporate future land use decisions.
3. **MULTIPLE HAZARD MITIGATION STRATEGY** - The BCDCOG will update and develop new mitigation strategies specific to the counties' exposure and impacts by the identified natural hazards. The strategy will include:
- a) A list of mitigation goal statements that focus on reducing the risks from the identified natural hazards. The goal development and project prioritization will be conducted by the WORKGROUP. An example of a goal statement and an objective would be:
    - i. **GOAL:** Increase coordination between Federal, state, municipal and private resources in pre-disaster planning, post-disaster recovery and continuous hazard mitigation implementation.
    - ii. **OBJECTIVE:** Identify the availability of additional private and public sector financial incentives for homeowners, businesses and municipalities that will allow the development and implementation of cost-effective hazard mitigation measures in high-risk areas.
  - b) A section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure. This section will include a list of prioritized hazard mitigation projects that best meet the cities needs for multiple hazard damage reduction.
    - i. These projects may be non-structural (e.g.: planning, regulatory measures, property acquisition, retrofitting, elevation) or structural (e.g.: seawalls, dams, dikes) solutions.
    - ii. At a minimum, this list of prioritized projects will be based on a process that results in identification of cost effective hazard mitigation projects with public input, including:
      - a) An analysis of proposed mitigation projects focused on several key areas, including but not limited to: economic (including benefits and cost), engineering, technical, legal, environmental, social, and political feasibility. Selected options will best fit the community's needs and meet most or all aspects of the feasibility analysis.
      - b) Coordination with relevant Federal and State agencies for input and technical assistance.
4. **HAZARD MITIGATION PLAN MAINTENANCE PROCESS**
- a) **MONITORING, EVALUATING, AND UPDATING:** BCDCOG in conjunction with the WORKGROUP will monitor, evaluate and updating local plan as required.

- b) INCORPORATION INTO EXISTING PLANNING MECHANISMS:** BCDCOG will implement and incorporate the plans' goals into the county multi-jurisdictional planning processes when local update is implemented or other local by-laws and ordinances so required.
- c) IMPLEMENTATION SCHEDULE:** The BCDCOG will include an implementation schedule with procedures for ensuring the plans' implementation, updating and revision every 5 years.
- d) CONTINUED PUBLIC INVOLVEMENT:** BCDCOG will work with community for continued public involvement.

## **5. PLAN HAZARD MITIGATION PLAN ADOPTION AND APPROVAL**

- a) LOCAL ADOPTION:** It is the desire of the BCDCOG to adopt a FEMA approved plan and the plan will be submitted to the State Emergency Management Agency on or before the termination date for initial review and forwarding to FEMA/Region for final review and approval.