



Department of Growth Management

1804 Lewis Turner Boulevard
Ft. Walton Beach, FL 32547

To: The Honorable Chairman and Members of the Board of County Commissioners

From: Elliot L. Kampert, AICP; Growth Management Director

Date: September 6, 2011

Re: Annual Progress Report - Local Mitigation Strategy and Community Rating System

Background

In 1968, Congress created the National Flood Insurance Program (NFIP) to provide affordable flood insurance to people who live in areas with the greatest risk of flooding called Special Flood Hazard Areas. In order to participate in the NFIP, communities must agree to enforce, at a minimum, the floodplain management standards promulgated by the Federal Emergency Management Agency (FEMA). In order to provide an incentive for communities to voluntarily implement enhanced (i.e., above the minimum standards) floodplain management practices, the FEMA implemented the Community Rating System (CRS) which is administered under contract by the Insurance Services Office, Inc., in 1990.

Okaloosa County and all its municipalities except the City of Laurel Hill (which has very little floodplain) participate in the NFIP, and the County, as well as the cities of Destin, Fort Walton Beach, Mary Esther, and Niceville and the Town of Shalimar participate in the CRS.

In addition to flooding, Okaloosa County and its municipalities are threatened by a number of other types of natural hazards ranging from hurricanes and tropical storms to severe drought. To address these hazards, and in compliance with the Robert T. Stafford Disaster Relief and Emergency Assistance Act (42 USC 5121-5207) and the Disaster Mitigation Act of 2000 (44 CFR 201), and in order to proactively address natural disasters, Okaloosa County and its municipalities have jointly adopted a Local Mitigation Plan and Local Mitigation Strategy. The Local Mitigation Strategy and Plan were developed by the county/municipalities' Comprehensive Plan Committee created in 1990 which also serves as the Local Mitigation Strategy (LMS) Committee. The LMS committee is comprised of representatives from the County and all the municipalities as well as the Okaloosa County Public School District, the US Air Force (representing Eglin Air Force Base and Hurlburt Field), and private citizens. The LMS Committee meets regularly and is open to the public. Minutes and records of all LMS Committee meetings are maintained by the County's Growth Management Department.

In 2011, the County and all its municipalities adopted a substantially revised version of the Local Mitigation Strategy (LMS). The new LMS was found in compliance by the Florida Division of Emergency Management in April 2011, and by the Federal Emergency Management Agency in May

2011. By July 2011, all the municipalities as well as the County had passed ordinances or resolutions adopting the 2011 LMS.

While the LMS is a single, jointly adopted document covering the County and all the municipalities, it recognizes that each community is unique, and therefore includes community specific objectives and action items. However, in order to ensure that all the communities are working together, the LMS has a single, unified set of goals and a unified project list that the LMS committee re-ranks as projects are completed or added.

This Annual Report is structured to comply with the requirements of CRS Activity 510 reporting criteria as provided by 510-30 and 510-31 of the County CRS Coordinator’s Manual (FEMA FIA-15/2007) and annotated accordingly.

Annual Report Preparation, Submittal to Governing Bodies, Release to Media, and Public Availability (FIA-15/2007 Criteria 1 and 2)

This annual report was prepared internally by the Planning Division of the Okaloosa County Growth Management Department and will be distributed to all the municipalities. It is intended to update the County and municipalities regarding the progress of implementing the LMS. Because the LMS is, at the time of this writing, less than two months old, much of the work identified in the LMS is ongoing.

For credit under the Community Rating System, this Annual Report must be distributed to the media and be made available to the public. To this end, it is being sent to the Northwest Florida Daily News, and copies of this Report are available for review or download online at the Growth Management portion of the County Website, and may be viewed or obtained in hard copy at the Growth Management Department’s offices located at the Water & Sewer Administrative Complex, 1804 Lewis Turner Boulevard, 2nd Floor in Fort Walton Beach, or the North Planning Office located at 402 Brookmeade Drive in Crestview. The entire 2011 LMS may also be accessed via the Growth Management portion of the County website or at the previously mentioned Growth Management office locations.

Status of LMS Goals and Objectives (FIA-15/2007 Criteria 4)

The Goals and Objectives (the statements under each Goal), below, provide the broad range of what is to be accomplished during the five-year planning period from 2011 through 2015 by the LMS Steering Committee. **At the time of this 2011 Annual Report, all of the Goals and Objectives are being met.**

<i>Goal 1 – Continually provide mechanisms for local government jurisdictions and the public to accomplish mitigation activities in Okaloosa County.</i>	
Accomplish by:	
	-Maintain bylaws that define membership and public participation methods.
	-Holding regularly scheduled LMS Committee and Working Committee meetings. Committee meetings will be held quarterly at minimum.
	-Forming Working Groups for sub-regions, municipalities, or for specific hazards named in the plan to reduce or eliminate vulnerability.
	-Maintaining a staffing presence to the LMS Committee through contract or through staff hire or appointment.
	-Providing communications to county and municipal contacts and through media outlets to advertise opportunities to attend and participate in mitigation functions,

	consistent with the Florida Sunshine Law.
	-Holding meetings throughout the County and in various municipalities to encourage local participation.
Goal 2 – Maintain communication between the LMS Committee and key County and Municipal departments to coordinate intra- and inter-departmental mitigation activities among various jurisdictions, and with the public.	
Accomplish by:	
	-Ensuring all interests of various departments are represented by the appointed staff to the LMS Committee
	-Ensuring all interests are aware of Working Groups and a need to represent their own interests concerning various geographical areas or to address various hazards.
	-Maintaining up-to-date e-mail and postal addresses and phone numbers to ensure communication.
	-Establishing a website on the County's web server that discusses the LMS program.
Goal 3 – Update the LMS plan, as necessary, to identify changes to hazards, vulnerability, goals, initiatives/priorities accomplishments/withdrawal/additions/pending, update of funding sources, current disaster declarations, and adoption of revisions.	
Accomplish by:	
	-Having the LMS Committee direct staff to update plan sections, tables, maps, etc., based upon current activities, trends, or issues.
	-Providing LMS staff feedback that provides localized information that is current.
	-Continually reviewing the plan and comparing it to other planning requirements (emergency management plans, comprehensive land use plans, community rating system plans) that contain mitigation provisions or may otherwise help to assert or hinder mitigation initiatives.
	-Notifying staff to the committee regarding issues that arise that may need their consideration or to solicit opinion.
	-Identifying and documenting potentially new hazards, including technological and homeland security issues not otherwise analyzed as a result of the Disaster Mitigation Act of 2000.
Goal 4 – Assist property owners, residents, businesses, non-profits and others in understanding and knowing of their eligibility for grants, loans and services that may help to mitigate hazards that directly affect their interests.	
Accomplish by:	
	-Working with existing programs within the County and Municipalities (building inspections, local Community Rating System/National Flood Insurance Program, emergency management, chambers of commerce, etc.) to connect mitigation to these efforts.
	-Being perceptive of and proactively engage new opportunities to promote mitigation interests.
	-Developing a website that conveys updated information about mitigation activities on a continual basis.
	-Staying abreast of available funding and service opportunities through participation in meetings, conferences, seminars, and research.
	-Maintaining initiatives/priorities and contact persons lists to facilitate rapid notification of assistance availability.

Goal 5 – Reduce or eliminate hazards identified to at risk locations in the County and its municipalities by implementing the following mitigation actions.

Accomplish by:

- Utilizing the mitigation activities identified in this LMS in the municipalities and unincorporated Okaloosa County where hazards exist.
- Incorporating, as appropriate, the mitigation actions into the County's and municipalities' comprehensive plans' Goals, Objectives, and Policies and their implementing land development codes.
- As financially feasible, including within the County's and municipalities Capital Improvements Programs projects that address hazards identified in Chapter 4 of this Local Mitigation Strategy.

These Goals are achieved through implementation of the hazard- and jurisdiction-specific Action Items and Projects discussed in the sections that follow, below. Since Action Items are, for the most part, ongoing activities – such as implementation of the Florida Building Code, Floodplain Management practices, etc. – that are undertaken as part of the County's and municipalities' day-to-day operations, their status is ongoing. Projects, on the other hand, may be part of on-going, programmatic activities (such as, for example, installing generators to supply emergency power at key infrastructure) or major, one-time (or at least very long term) upgrades of facilities such as the construction of a new emergency operations center.

Review of LMS Action Items (FIA-15/2007 Criteria 3)

Below are the hazard-specific actions undertaken taken by each jurisdiction as provided in the 2011 LMS. Each action is accompanied by a statement of its current status. Many of these activities are listed as “ongoing” as they are not static measures (e.g., building a new emergency operations center), but rather require either constant or periodic actions on the part of the County department tasked with their implementation. A good example of this is the third action under the County's “Hurricane and Tropical Storm” category which recognizes the County's enforcement of the Florida Building Code (FBC); this is not a one-time action, the FBC must be consistently enforced through review of building permit applications without which construction cannot occur.

Okaloosa County

Hurricane and Tropical Storm

1. Support efforts to shutter critical facilities. *Status: Completed; subject to new structural codes and buildings*
2. Ensure the public is informed of pending conditions. *Status: ongoing; Public Safety*
3. Enforce Florida Building Codes for new structures. *Status: ongoing; Growth Management*
4. Ensure adequate equipment exists to remove debris, clear roads, perform search and rescue functions, and otherwise respond and recover from hurricane impacts. *Status: ongoing; Public Works*
5. Ensure communications are wind and electrical-failure resistant to allow for 24/7 communications during the first 72 hours following a disaster. *Status: ongoing; Public Safety, Information Systems, State of Florida, FEMA, and Private entities*
6. Ensure adequate and safe public risk shelters are available in all locations in the County to prevent homelessness, including adequate dining facilities and to maintain sanitary

- conditions. *Status: ongoing; Public Safety, Okaloosa County School District, Northwest Florida State College and the American Red Cross*
7. Promote and support funding that allows for buildings to remain functional before, during and after a hurricane or tropical storm event in order to support the function of Okaloosa County Emergency Management's mandates. *Status: ongoing; Board of County Commissioners*
 8. Support protection of county infrastructure named in the Okaloosa County Comprehensive Emergency Management Plan and its Emergency Support Functions. *Status: ongoing; Public Works*
 9. Promote public awareness of hurricane and tropical storm hazards. *Status: ongoing; Public Safety*
 10. Promote ways that private structure owners and landowners can mitigate using governmental or private sector investment. *Status: ongoing; Public Safety and Growth Management*
 11. Ensure roads are designed and engineered for the amount of wind, surge, flooding and debris that can be expected from a hurricane or tropical storm event. *Status: ongoing; Public Works*
 12. Ensure communications systems are capable to communicate during and following hurricanes/tropical storms. Also to include the ability to erect temporary repeaters to restore communications. *Status: ongoing; Public Safety, Information Systems, State of Florida, FEMA, and Private entities*
 13. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. *Status: ongoing; Public Safety, Information Systems, State of Florida, FEMA, and Private entities*
 14. Support activities that educate the public about the dangers of hurricanes/tropical storms. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: ongoing; Public Safety and Growth Management*

Storm Surge

1. Promote public awareness of storm surge. *Status: ongoing; Public Safety and Growth Management*
2. Ensure the public is informed of pending conditions. *Status: ongoing; Public Safety*
3. Ensure that maps accurately reflect the amount of storm surge, wave and flood action that can occur during hurricanes and tropical storms. *Status: ongoing; Information Systems and Growth Management*
4. Provide opportunities for property owners to elevate existing structures, move them to higher ground, or to have properties purchased by local governments in order to reduce overall community vulnerability to storm surge. *Status: ongoing; Growth Management*
5. Promote the continued purchase of lands that are at high risk of storm surge, with proper considerations of private property rights and constitutional requirements for just compensation, as appropriate. *Status ongoing; Growth Management*
6. Ensure roads are designed and engineered for the amount of storm surge that can be expected. *Status: ongoing; Public Works*

7. Support activities that educate the public about the dangers of storm surge. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: ongoing; Public Safety and Growth Management*

Flooding

1. Ensure all future buildings are constructed to the Florida Building Code. *Status: ongoing; Growth Management; for NIFP Compliance*
2. Ensure all future buildings are built with a minimum finished floor height of 1' above the established Base Flood Elevation on the Flood Insurance Rate Maps for those buildings located within the AE Flood Zones. *Status: ongoing; Growth Management; for NIFP Compliance*
3. Ensure all future buildings built within the V Flood Zones meet the minimum 1' freeboard requirement. *Status: ongoing; Growth Management; for NIFP Compliance*
4. Ensure all future buildings are built with a minimum finished floor height of 5' above the highest adjacent grade for those buildings located within the un-numbered A Flood Zones. *Status: ongoing; Growth Management; for NIFP Compliance*
5. Ensure all future buildings are built with a minimum finished floor height of 1' above the crown of the road, unless a variance is granted by the Public Works department. *Status: ongoing; Growth Management and Public Works; for NIFP Compliance*
6. Ensure roads are designed and engineered for the amount of flooding that can be expected. *Status: ongoing; Public Works; for NIFP Compliance*
7. Ensure that all flooding sources are documented and that the public are aware of the existence of such mapping services and products for planning purposes. *Status: ongoing; Growth Management and Public Safety; for NIFP Compliance*
8. Promote the continued purchase of lands that are at high risk of flooding, with proper considerations of private property rights and constitutional requirements for just compensation, as appropriate. *Status: ongoing; Growth Management and Board of County Commissioners; for NIFP Compliance*
9. Provide opportunities for property owners to elevate existing structures, move them to higher ground, or to have properties purchased by local governments in order to reduce overall community vulnerability to flooding. *Status: ongoing; Growth Management; for NIFP Compliance*
10. Ensure that all public buildings that serve first response and critical emergency/public needs, including recording/data collection and communication centers/infrastructure, are located outside of flood zones or flood prone areas. *Status: ongoing; Growth Management and Public Safety; for NIFP Compliance*
11. Ensure communications systems are capable to communicate during and following flood events. *Status: ongoing; Public Safety, Information Systems, State of Florida, FEMA and Private entities*
12. Maintain status as a NFIP and CRS community by enforcing both the NFIP requirements and additional criteria that exceeds the NFIP for CRS compliance as a class 5 community. *Status: ongoing; Growth Management, Public Safety, and Public Works*

13. Support efforts of the Institute of Food and Agricultural Services (IFAS/County Cooperative Extension Service) and the Natural Resources Conservation Services (NRCS) as it relates to reduction and mitigation of flood hazards to crops and silvacultural operations. *Status: ongoing; Growth Management and County Extension*
14. Support activities that educate the public about the dangers of flooding. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: ongoing; Growth Management and Public Safety; for NIFP Compliance*
15. Ensure the public is informed of pending conditions. *Status: ongoing; Public Safety; for NIFP Compliance*

Dam Safety

1. Support efforts that document hazards and risks associated with structural and earthen dams and upkeep. *Status: ongoing; Northwest Florida Water Management District and Public Safety*
2. Support efforts that create partnerships with property owners that promote the overall goal of communitywide and stream valley safety. *Status: ongoing; Northwest Florida Water Management District*
3. Support efforts to produce hazard zone maps that depict flooding that could result from dam failure. *Status: ongoing; Information Systems and Northwest Florida Water Management District*

Land Erosion

1. Support efforts that protect natural plant systems, human plantings, special tilling methods and technologies, and other forms of vegetative erosion control. *Status: ongoing; Growth Management and Public Works*
2. Require proposed temporary and permanent erosion and sediment control plans are submitted with each application for construction approval. *Status: ongoing; Public Works and Growth Management*
3. Require no clearing, grading, excavating, filling, or other disturbance of the natural terrain shall occur until erosion and sedimentation control measures have been approved by Okaloosa County and installed and be maintained throughout the length of construction activity. *Status: ongoing; Growth Management and Public Works*
4. Sediment shall be retained on site. *Status: ongoing; Growth Management, Public Works, and State of Florida*
5. Wetlands and other water bodies shall not be used as sediment traps during construction. *Status: ongoing; Public Works, Growth Management and State of Florida*
6. Require land which has been cleared for construction and has not commenced shall be protected from erosion by appropriate techniques designed to re-vegetate the area. *Status: ongoing; Growth Management and Public Works*
7. Support efforts that allow public and private sector entities to gain control of problem erosion locations, gullies and rills that reduce unnatural sedimentation accumulation and cutting into natural hillsides and land, and to control coastal erosion where seawalls are necessary. *Status: ongoing; Public Works*

8. Support efforts that would allow for construction and infrastructure development to eliminate an existing erosion problem or to eliminate creation of such a problem. *Status: ongoing; Public Works and Growth Management*
9. Support efforts that help to eliminate or reduce coastal erosion due to boat/ship wake issues, while weighing the interests of the boating public. *Status: ongoing; United States Coast Guard, Public Works, and Growth Management*

Severe Storms

1. Ensure the public is informed of pending conditions. *Status: ongoing; Public Safety*
2. Ensure communications systems are capable to communicate during and following severe storms. *Status: ongoing; Public Safety, Information Systems, State of Florida, FEMA and Private entities*
3. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. *Status: ongoing; Public Safety, Information Systems, State of Florida, FEMA and Private entities*
4. Support activities that educate the public about the dangers of severe storms. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: ongoing; Public Safety and Growth Management*

Tornado and Waterspout

1. Ensure communications systems are capable to communicate during and following tornados and waterspouts. *Status: ongoing; Public Safety, Information Systems, State of Florida, FEMA and Private entities*
2. Support activities that educate the public about the dangers of tornados and waterspouts. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: ongoing; Public Safety and Growth Management*
3. Support activities to reduce the risk of loss of electronic equipment and structures due to tornados and waterspouts. *Status: ongoing; Public Safety, Information Systems, and Growth Management*
4. Ensure the public is informed of pending conditions. *Status: ongoing; Public Safety*
5. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. *Status: ongoing; Public Safety, Information Systems, State of Florida, FEMA, and Private entities*

Thunderstorms and Lightning

1. Ensure communications systems are capable to communicate during and following thunderstorms and lightning. *Status: ongoing; Public Safety, Information Systems, State of Florida, FEMA, and Private entities*
2. Support activities that educate the public about the dangers of thunderstorms and lightning. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: ongoing; Public Safety and Growth Management*

3. Support activities to reduce the risk of loss of electronic equipment and structures due to lightning strike and electrical surge. *Status: ongoing; Information Systems, Growth Management, and Private entities*
4. Ensure the public is informed of pending conditions. *Status: ongoing; Public Safety*
5. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. *Status: ongoing; Public Safety, Information Systems, State of Florida, FEMA and Private entities*

Winter Storms

1. Ensure communications systems are capable to communicate during and following winter storms. *Status: ongoing; Public Safety, Information Systems, State of Florida, FEMA, and Private entities*
2. Support activities that educate the public about the dangers of winter storms. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: ongoing; Public Safety and Growth Management*
3. Ensure winter storm shelters are capable of providing heating systems. *Status: ongoing; Public Safety, Okaloosa County School Board, and Private entities*
4. Reduce or eliminate the vulnerability to freezing or provide secondary heating or electrical systems for public facilities. *Status: ongoing; Public Safety, Facility Maintenance, and Private entities*
5. Ensure the public is informed of pending conditions. *Status: ongoing; Public Safety*

Heat Wave and Drought

1. Ensure communications systems are capable to communicate during and following heat waves and droughts. *Status: ongoing; Public safety, Information Systems, State of Florida, FEMA, and Private entities*
2. Support activities that educate the public about the dangers of heat waves and droughts. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: ongoing; Public Safety*
3. Ensure host shelters are capable of providing cooling systems. *Status: ongoing; Public Safety, Okaloosa County School District and Private entities*
4. Ensure the public is informed of pending conditions. *Status: ongoing; Public Safety*

Wildfire

1. Ensure communications systems are capable to communicate during and following wildfire events. *Status: ongoing; Public Safety, Information Systems, State of Florida, FEMA and Private entities*
2. Ensure the public is informed of pending conditions. *Status: ongoing; Public Works*
3. Support activities that educate the public about the dangers of wildfire. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office or the local fire department or the Florida Division of Forestry. *Status: ongoing; Public Safety and State of Florida, Department of Agriculture, Division of Forestry*

4. Require new subdivisions plats and new commercial structures to designed and built to the National Fire Codes. *Status: ongoing; Growth Management and Public Works*
5. Support activities that newly document or update maps, aerial photography, or other remote sensing imagery that shows degrees of risk for wildfire and utilize such data to focus mitigation activities against wildfire. *Status: ongoing; Information Systems, Growth Management and State of Florida, Department of Agriculture, Division of Forestry*
6. Support efforts that fire stations and their supporting equipment and personnel are adequate in terms of size, modernization, communications, in order to respond to situations by mitigating situations that are below acceptable standards to fight wildfires throughout the County and to provide mutual aid support in neighboring jurisdictions or counties. *Status: ongoing; Public Safety*
7. Support public and private mitigation efforts to provide fire hydrants to locations at risk along the urban/rural interface where water systems exist to provide such services. *Status: ongoing; Public Safety and Growth Management*
8. Support mitigation efforts that would identify public measures that would help agricultural, forestry and silvacultural prevent or lessen the risk of wildfires. *Status: ongoing; Public Safety, Growth Management, and State of Florida, Department of Agriculture, Division of Forestry*

Beach Erosion

1. Ensure compliance with the Florida Department of Environmental Protection (FDEP) Coastal Construction Control Line (CCCL) regulations that require location of construction a sufficient distance landward of the beach to permit natural shoreline fluctuations and to preserve dune stability. Construction may occur to the extent that the natural storm buffering and protection capability of the dunes is not diminished. *Status: ongoing; Growth Management and Public Works*
2. The County will encourage activities that protect and rebuild coastal dunes. This will be accomplished by continuing, or supporting the continuation of, activities by private and public agencies for dune restoration purposes, installation of sand fences on public and private properties, and enforcing restrictions regarding the destruction of sea oats and requiring the planting of sea oats by new development in coastal areas. All activities will be coordinated with the Guiding Principles of the Local Mitigation Strategy. *Status: ongoing; Growth Management, Public safety and Tourist Development*
3. Cooperate with the U.S. Army Corps of Engineers and the Florida Department of Environmental Protection to re-nourish public beaches using white sand made available by maintenance dredging of Choctawhatchee Bay, Santa Rosa Sound, or other water bodies within or near Okaloosa County. *Status: ongoing; Growth Management, Public Works and Tourist Development*
4. With respect to acquisition, the County, where feasible, shall protect environmentally sensitive coastal areas unduly threatened by development, through acquisition, establishment of public or private conservation easements, purchase of development rights, or through other available means as deemed appropriate. *Status: ongoing; Public Works and Growth Management*

5. The County will encourage existing development and require new development to plant or replant native vegetation where appropriate, including seagrass beds and other types of shoreline, aquatic and upland vegetation. *Status: ongoing; Growth Management, Public Works and Tourist Development*
6. Coordinate with the following existing resource protection plans: Choctawhatchee River and Bay S.W.I.M. Plan, Pensacola Bay S.W.I.M. Plan, FDEP Ecosystem Management Plan, West Florida Strategic Regional Policy Plan, Rocky Bayou Aquatic Preserve Management Plan, and the Northwest Florida Resource Management Plan, and the Local Mitigation Strategy. *Status: ongoing; all Okaloosa County Departments*
7. Shoreline armoring should be discouraged in favor of alternative methods of enhancing shoreline stability that minimize erosion and allow for the growth of emergent shoreline grasses. *Status: ongoing; Growth Management, Public Works and Tourist Development*
8. New structures, other than dune walkovers, and structures needed to accommodate conservation and passive recreation uses, are prohibited within the portion of the Coastal High Hazard Area lying within the FEMA V Zone, unless all Department of Environmental Protection Coastal Construction Control Standards and FEMA Special Hazard Area Minimum Construction Requirements are met. *Status: ongoing; Growth Management, Public Works and Tourist Development*
9. Enforce rigorous development standards consistent with the County's NFIP and the CRS program for flood hazard reduction including: location of buildings landward of the reach of the mean high tide; requirement to elevate structures one (1) foot above base flood elevation as specified on F.E.M.A. maps; anchoring standards to resist flotation, collapse, and lateral movement; prohibiting fill used as structural support in V zones, and; prohibiting alteration of sand dunes which would increase potential flood damage. *Status: ongoing; Growth Management and Public Works*
10. Public funds shall be expended in the coastal high hazard area only for development that: complies with land use densities/intensities adopted in the comprehensive plan; produces no adverse affects to the surrounding land uses or the environment without approved mitigation plans, and/or; furthers opening up the waterfront to public access. *Status: ongoing; Growth Management and Okaloosa County Board of County Commissioners*
11. Shoreline development must comply with performance standards that address lot coverage, vegetated buffers, stormwater management, and erosion and sedimentation controls. *Status: ongoing; Growth Management and Public Works*

City of Ft Walton Beach

The mitigation actions listed in this section are a compilation of adopted codes and policies from the City of Fort Walton Beach Comprehensive Plan, *Directions: The Comprehensive Plan of the City of Fort Walton Beach: 2008*, the Fort Walton Beach Land Development Code, the City of Fort Walton Beach Comprehensive Emergency Management Plan (2010), and other documents. The actions below are enforced in an effort to reduce the City's vulnerability to natural disasters.

Hurricane and Tropical Storm

1. Maintain requirements for structural wind resistance at least as restrictive as the Florida Building Code. *Status: ongoing; Building Division.*
2. Promote public education and awareness of hurricane preparedness and evacuation policies. *Status: ongoing; City of Fort Walton Beach Public Information Office and Okaloosa County Public Safety*
3. Ensure adequate clearance times for hurricane evacuation and periodically monitor hurricane evacuation clearance times. *Status: ongoing; City of Fort Walton Beach Fire Dept and Okaloosa County Public Safety.*
4. Maintain or reduce hurricane evacuation times. *Status: ongoing; Fire Dept.*
5. Support improvements to critical roadway segments of the hurricane evacuation routes, coordinating with the Fort Walton Beach MPO and the FDOT. *Status: ongoing; Planning Division and City Engineer.*
6. Ensure proposed site plans and development orders would maintain hurricane evacuation times. *Status: ongoing; Planning Division and Building Division*
7. Ensure that any Development of Regional Impact provide hurricane shelters to protect residents. *Status: ongoing; Planning Division.*
8. Ensure vehicles and equipment are available and ready to respond and properly function to carry out necessary activities for preparation and recovery. *Status: ongoing; Fire Dept and Fleet Maintenance Division.*
9. Ensure adequate and redundant communications systems, including radios and phones, are in place in the event of a natural disaster. *Status: ongoing; Fire Dept*
10. Ensure rapid dissemination of information to the public through various resources including the media, door-to-door, sirens, or other necessary means to notify the public of a pending disaster and ensure rumor control. *Status: ongoing; Public Information Office and Fire Dept.*
11. Ensure the security and protection of city records and equipment. *Status: ongoing; Information Technology Division and City Clerk Office.*
12. Ensure off-site access to city computers and backup files to run critical applications in the event of a disaster. *Status: Complete and ongoing; Information Technology Division.*
13. Coordinate with Okaloosa County and the American Red Cross to ensure adequate sheltering, food, and medical care for the public. *Status: ongoing; Fire Dept.*
14. Coordinate with Okaloosa County on regional evacuations and ensure proper mechanics and routes for local evacuations. *Status: ongoing; Fire Dept and Police Dept.*
15. Continually train and perform exercises for various disaster scenarios to be the most prepared and ready. *Status: ongoing; Fire Dept and Police Dept.*
16. Ensure timely repair/functioning of city facilities by establishing a building priority list. *Status: ongoing; Facilities Maintenance Division.*
17. Ensure a system is in place to meet financial, payroll, and other city payment obligations before, during, and after a disaster. *Status: ongoing; Information Technology Division and Finance Department*
18. Ensure maintenance of law and order, continuity of government, crowd control, traffic control, and curfew enforcement through the City's Police Department. *Status: ongoing; Police Dept*
19. Ensure the timely restoration and continued operation of critical water, sewer, and sanitation services to the public. *Status: ongoing; City Engineer.*

20. Ensure timely and adequate debris clearance, maintenance of City streets, and signage. *Status: ongoing; Streets Division and Facility Maintenance Division.*
21. Ensure adequate communication linkages between the Emergency Operations Center and emergency incident sites, shelters, and other critical locations. *Status: ongoing; Fire Dept.*

Storm Surge

1. Ensure density will not be increased within the CHHA. *Status: ongoing; Planning Division. For NFIP compliance*
2. Promote public awareness of storm surge. *Status: ongoing; Public Information Officer and Engineering/GIS Division.*
3. Ensure vehicles and equipment are available and ready to respond and properly function to carry out necessary activities for preparation and recovery. *Status: ongoing; Fire Dept and Fleet Maintenance Division.*
4. Maintain up-to-date maps that accurately depict potential storm surge and make available to the public. *Status: ongoing; Engineering/GIS Division.*
5. Ensure rapid dissemination of information to the public through various resources including the media, door-to-door, sirens, or other necessary means to notify the public of a pending disaster and ensure rumor control. *Status: ongoing; Public Information Office and Fire Dept.*
6. Ensure new construction and substantial improvements are limited to only water-dependent uses in the 50-foot Shoreline Protection Zone. *Status: ongoing; Planning Division and Building Division. For NFIP compliance*

Flooding

1. Regulate construction within the 100-yr floodplain and flood prone areas. *Status: ongoing; Engineering/GIS Division and Planning Division. For NFIP compliance*
2. Ensure new construction or substantial improvements to existing structures meet the minimum specified flood elevation on the FIRM. *Status: ongoing; Engineering/GIS Division and Building Division. For NFIP compliance*
3. Complete a Stormwater Master Plan to reduce surface flooding. *Status: Not yet completed, but in-process; Stormwater Division.*
4. Ensure drainage improvements are addressed in all road-repair projects along City-maintained emergency evacuation routes. *Status: ongoing; Stormwater Division*
5. Ensure all future buildings are constructed to the Florida Building Code. *Status: ongoing; Building Division. For NFIP compliance*
6. Ensure natural floodplains and stream channels are not altered in a way that would increase flood hazards in other areas. *Status: ongoing; Planning Division, Stormwater Division, and Building Division. For NFIP compliance*
7. Ensure adequate and redundant communications systems, including radios and phones, are in place in the event of a natural disaster. *Status: ongoing; Fire Dept.*
8. Ensure new construction and substantial improvements in flood hazard areas be constructed with materials and utility equipment resistant to flood damage. *Status: ongoing; Building Division and Facilities Maintenance Division. For NFIP compliance*

9. Ensure all future buildings are built with a minimum finished floor no lower than the Base Flood Elevation on the Flood Insurance Rate Maps for those buildings located within the AE Flood Zones. *Status: ongoing; Building Division and Engineering/GIS Division. For NFIP compliance*
10. Maintain status as a NFIP and CRS community by enforcing both the NFIP requirements and additional criteria that exceeds the NFIP for CRS compliance. *Status: ongoing; Engineering/GIS Division and Planning Division.*
11. Support activities that educate the public about the dangers of flooding. *Status: ongoing; Engineering/GIS Division and Public Information Office. For NFIP compliance*
12. Ensure rapid dissemination of information to the public through various resources including the media, door-to-door, sirens, or other necessary means to notify the public of a pending disaster and ensure rumor control. *Status: ongoing; Public Information Office and Police/Fire Dept.*
13. Coordinate with Okaloosa County and the American Red Cross to ensure adequate sheltering, food, and medical care for the public. *Status: ongoing; Fire Dept.*
14. Ensure the timely restoration and continued operation of critical water, sewer, and sanitation services to the public. *Status: ongoing; City Engineer and Sewer Divisions.*
15. Ensure timely and adequate debris clearance, maintenance of city streets and signage. *Status: ongoing; Facilities Maintenance Division and Streets Division.*
16. Ensure adequate communication linkages between the Emergency Operations Center and emergency incident sites, shelters, and other critical locations. *Status: ongoing; Fire Dept.*
17. Ensure new construction and substantial improvements are limited to only water- dependent uses in the 50-foot Shoreline Protection Zone. *Status: ongoing; Planning Division. For NFIP compliance*

Land Erosion

1. Require proposed temporary and permanent erosion and sediment control plans are submitted with each application for construction approval. *Status: ongoing; Stormwater Division.*
2. Require no clearing, grading, excavating, filling, or other disturbance of the natural terrain shall occur until erosion and sedimentation control measures have been reviewed by the City of Fort Walton Beach. *Status: ongoing; Stormwater Division and City Engineer.*
3. Require land which has been cleared for construction and has not commenced shall be protected from erosion by appropriate techniques designed to re-vegetate the area. *Status: ongoing; Stormwater Division.*

Severe Storms

1. Ensure vehicles and equipment are available and ready to respond and properly function to carry out necessary activities for preparation and recovery. *Status: ongoing; Fire Dept and Fleet Maintenance Division.*
2. Ensure adequate and redundant communications systems, including radios and phones, are in place in the event of a natural disaster. *Status: ongoing; Fire Dept.*

3. Ensure rapid dissemination of information to the public through various resources including the media, door-to-door, sirens, or other necessary means to notify the public of a pending disaster and ensure rumor control. *Status: ongoing; Public Information Office and Fire Dept.*
4. Coordinate with Okaloosa County and the American Red Cross to ensure adequate sheltering, food, and medical care for the public. *Status: ongoing; Fire Dept.*
5. Ensure the timely restoration and continued operation of critical water, sewer, and sanitation services to the public. *Status: ongoing; City Engineer and Sewer Division*
6. Ensure adequate communication linkages between the Emergency Operations Center and emergency incident sites, shelters, and other critical locations. *Status: ongoing; Fire Dept.*

Tornado and Waterspout

1. Ensure vehicles and equipment are available and ready to respond and properly function to carry out necessary activities for preparation and recovery. *Status: ongoing; Fire Dept and Fleet Maintenance Division*
2. Ensure adequate and redundant communications systems, including radios and phones are in place in the event of a natural disaster. *Status: ongoing; Fire Dept.*
3. Ensure rapid dissemination of information to the public through various resources including the media, door-to-door, sirens, or other necessary means to notify the public of a pending disaster and ensure rumor control. *Status: ongoing; Public Information Office and Fire Dept.*
4. Coordinate with Okaloosa County and the American Red Cross to ensure adequate sheltering, food, and medical care for the public. *Status: ongoing; Fire Dept.*
5. Ensure the timely restoration and continued operation of critical water, sewer, and sanitation services to the public. *Status: ongoing; City Engineer and Sewer Division.*
6. Ensure adequate communication linkages between the Emergency Operations Center and emergency incident sites, shelters, and other critical locations. *Status: ongoing; Fire Dept.*
7. Ensure vehicles and equipment are available and ready to respond and properly function to carry out necessary activities for preparation and recovery. *Status: ongoing; Fire Dept and Fleet Maintenance Division*

Thunderstorms and Lightning

1. Ensure adequate and redundant communications systems, including radios and phones, are in place in the event of a disaster. *Status: ongoing; Fire Dept.*
2. Ensure rapid dissemination of information to the public through various resources including the media, door-to-door, sirens, or other necessary means to notify the public of a pending disaster and ensure rumor control. *Status: ongoing; Public Information Office and Fire Dept*
3. Coordinate with Okaloosa County and the American Red Cross to ensure adequate sheltering, food, and medical care for the public. *Status: ongoing; Fire Dept*
4. Ensure the timely restoration and continued operation of critical water, sewer, and sanitation services to the public. *Status: ongoing; City Engineer and Sewer Division.*
5. Ensure timely and adequate debris clearance, maintenance of city streets and signage. *Status: ongoing; Streets Division and Facility Maintenance Division.*

6. Ensure adequate communication linkages between the Emergency Operations Center and emergency incident sites, shelters, and other critical locations. *Status: ongoing; Fire Dept.*
7. Ensure vehicles and equipment are available and ready to respond and properly function to carry out necessary activities for preparation and recovery. *Status: ongoing; Fire Dept and Fleet Maintenance Division.*

Winter Storms

1. Ensure vehicles and equipment are available and ready to respond and properly function to carry out necessary activities for preparation and recovery. *Status: ongoing; Fire Dept and Fleet Maintenance Division*
2. Ensure adequate and redundant communications systems, including radios and phones, are in place in the event of a natural disaster. *Status: ongoing; Fire Dept*
3. Ensure rapid dissemination of information to the public through various resources including the media, door-to-door, sirens, or other necessary means to notify the public of a pending disaster and ensure rumor control. *Status: ongoing; Public Information Office and Fire Dept.*
4. Coordinate with Okaloosa County and the American Red Cross to ensure adequate sheltering, food, and medical care for the public. *Status: ongoing; Fire Dept.*
5. Ensure the timely restoration and continued operation of critical water, sewer, and sanitation services to the public. *Status: ongoing; City Engineer and Sewer Division.*
6. Ensure timely and adequate debris clearance, maintenance of City streets, and signage. *Status: ongoing; Streets Division and Facility Maintenance Division*
7. Ensure adequate communication linkages between the Emergency Operations Center and emergency incident sites, shelters, and other critical facilities. *Status: ongoing; Fire Dept.*

Heat Wave and Drought

1. Ensure rapid dissemination of information to the public through various resources including the media, door-to-door, sirens, or other necessary means to notify the public of a pending disaster and ensure rumor control. *Status: ongoing; Public Information Office and Fire Dept*
2. Coordinate with Okaloosa County and the American Red Cross to ensure adequate sheltering, food, and medical care for the public. *Status: ongoing; Fire Dept.*
3. Ensure the timely restoration and continued operation of critical water, sewer, and sanitation services to the public. *Status: ongoing; City Engineer and Sewer Division.*
4. Ensure timely and adequate debris clearance, maintenance of City streets, and signage. *Status: ongoing; Streets Division and Facility Maintenance Division.*
5. Ensure adequate communication linkages between the Emergency Operations Center and emergency incident sites, shelters, and other critical locations. *Status: ongoing; Fire Dept.*

Wildfire

1. Ensure vehicles and equipment are available and ready to respond and properly function to carry out necessary activities for preparation and recovery. *Status: ongoing; Fire Dept and Fleet Maintenance Division.*

2. Ensure adequate and redundant communications systems, including radios and phones, are in place in the event of a natural disaster. *Status: ongoing; Fire Dept.*
3. Ensure rapid dissemination of information to the public through various resources including the media, door-to-door, sirens, or other necessary means to notify the public of a pending disaster and ensure rumor control. *Status: ongoing; Public Information Office and Fire Dept.*
4. Coordinate with Okaloosa County and the American Red Cross to ensure adequate sheltering, food, and medical care for the public. *Status: ongoing; Fire Dept.*
5. Ensure the timely restoration and continued operation of critical water, sewer, and sanitation services to the public. *Status: ongoing; City Engineer and Streets Division*
6. Ensure adequate communication linkages between the Emergency Operations Center and emergency incident sites, shelters, and other critical locations. *Status: ongoing; Fire Dept.*

Beach Erosion

1. Ensure public and private activities do not increase erosion beyond natural erosion cycles. *Status: ongoing; Planning Division and City Engineer.*
2. Ensure the preservation and restoration of native stand-stabilizing vegetation of estuarine beaches. *Status: ongoing; Planning Division.*
3. Ensure new construction and substantial improvements are limited to only water-dependent uses in the 50-foot Shoreline Protection Zone. *Status: ongoing; Planning Division and Building Division*
4. Ensure participation and coordination with the development and implementation of the Choctawhatchee River and Bay System Surface Water Improvement Plan (SWIM). *Status: ongoing; Planning Division and Stormwater Division.*

City of Crestview

The following are a list of mitigation actions preformed by the City of Crestview through its Comprehensive Plan, Land Development Regulations, and other relative codes and policies to mitigate against each specific hazard. Also listed are the status of each action and which department is responsible for implementing the action.

Hurricane and Tropical Storm

1. Support efforts to shutter critical facilities. (Responsible party: Maintenance) *Status: Up To Date*
2. Ensure the public is informed of pending conditions. (Responsible party: Police and Fire) *Status: As Needed*
3. Enforce Florida Building Codes for new structures. (Florida Building Codes) *Status: Ongoing*
4. Ensure adequate equipment exists to remove debris, clear roads, perform search and rescue functions, and otherwise respond and recover from hurricane impacts. (Responsible party: Public Services) *Status: Up to Date*
5. Ensure communications are wind and electrical-failure resistant to allow for 24/7 communications during the first 72 hours following a disaster. (Responsible party: Okaloosa County Public Safety, Police and Fire) *Status: Up to Date*

6. Ensure adequate and safe public risk shelters are available in all location in the County to prevent homelessness, including adequate dining facilities and to maintain sanitary conditions. (Responsible party: Okaloosa County Public Safety, private businesses)
7. Promote and support funding that allows for buildings to remain functional before, during and after a hurricane or tropical storm event in order to support the function of Okaloosa County Emergency Management's mandates. *Status: Ongoing*
8. Promote public awareness of hurricane and tropical storm hazards. (Responsible party: Okaloosa County Public Safety, Police and Fire) *Status: Ongoing*
9. Promote ways that private structure owners and landowners can mitigate using governmental or private sector investment. (Responsible party: Growth Management) *Status: Ongoing for NFIP Compliance*
10. Ensure communications systems are capable to communicate during and following hurricanes/tropical storms. Also to include the ability to erect temporary repeaters to restore communications. (Responsible party: Okaloosa County Public Safety) *Status: Up to Date*
11. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. (Responsible party: Okaloosa County Public Safety; private businesses) *Status: Up to Date*
12. Support activities that educate the public about the dangers of hurricanes/tropical storms. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Okaloosa County Public Safety, Police, Fire, and Planning and Zoning) *Status: Ongoing for NFIP Compliance*
13. Ensure roads are designed and engineered for the amount of wind, flooding and debris that can be expected from a hurricane or tropical storm event. (Responsible party: Public Services) *Status: Ongoing for NFIP compliance*

Flooding

1. Ensure all future buildings are constructed to the Florida Building Code. (Land Development Code) *Status: Ongoing for NFIP compliance*
2. Ensure all future buildings are built with a minimum finished floor height of 1' above the established Base Flood Elevation on the Flood Insurance Rate Maps for those buildings located within the AE Flood Zones. (Land Development Code) *Status: Ongoing for NFIP compliance*
3. Ensure road are built and engineered for the amount of flooding that can be expected. (Land Development Code) *Status: Ongoing for NFIP compliance*
4. Ensure all future buildings built within the V Flood Zones meet the minimum 1' freeboard requirement. (Land Development Code) *Status: Ongoing for NFIP compliance*
5. Promote the continued purchase of lands that are at high risk of flooding, with proper considerations of private property rights and constitutional requirements for just compensation, as appropriate. (FEMA) *Status: As Needed for NFIP compliance*
6. Provide opportunities for property owners to elevate existing structures, move them to higher ground, or to have properties purchased by local governments in order to reduce overall community vulnerability to flooding. (Land Development Code, FEMA) *Status: As Needed for NFIP compliance*
7. Ensure that all public buildings that serve first response and critical emergency/public needs, including recording/data collection and communication centers/infrastructure, are located outside of flood zones or flood prone areas. (FEMA) *Status: Up to Date for NFIP compliance*
8. Ensure communications systems are capable to communicate during and following flood events. (Responsible party: Police and Fire) *Status: Up to Date*

9. Maintain status as a NFIP community by enforcing both the NFIP requirements and additional criteria that exceeds the NFIP. (Land Development Code, FEMA) *Status: Ongoing*
10. Support activities that educate the public about the dangers of flooding. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Police and Fire) *Status: Ongoing for NFIP compliance*
11. Ensure the public is informed of pending conditions. (Responsible party: Public Safety) *Status: As Needed*

Dam Safety

1. Support efforts that document hazards and risks associated with structural and earthen dams and upkeep. (Responsible party: NWFLWMD) *Status: Ongoing for NFIP compliance*
2. Support efforts that create partnerships with property owners that promote the overall goal of communitywide and stream valley safety. (Responsible party: NWFLWMD) *Status: Ongoing*
3. Support efforts to produce hazard zone maps that depict flooding that could result from dam failure. (GIS) *Status: Ongoing*

Severe Storms

1. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety, Police and Fire) *Status: As Needed*
2. Ensure communications systems are capable to communicate during and following severe storms. (Responsible party: Okaloosa County Public Safety, Police and Fire) *Status: Up to Date*
3. Support activities that educate the public about the dangers of severe storms. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Okaloosa County Public Safety, Police and Fire) *Status: Ongoing*

Tornado

1. Ensure communications systems are capable to communicate during and following tornados. (Responsible party: Okaloosa County Public Safety, Police and Fire) *Status: Up to Date*
2. Support activities that educate the public about the dangers of tornados and waterspouts. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Okaloosa County Public Safety, Police and Fire) *Status: Ongoing*
3. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety, Police and Fire) *Status: As Needed*

Thunderstorms and Lightning

1. Ensure communications systems are capable to communicate during and following thunderstorms and lightning. (Responsible party: Okaloosa County Public Safety, Police and Fire) *Status: Up to Date*
2. Support activities that educate the public about the dangers of thunderstorms and lightning. Such activities should be coordinated with the County Public Safety Department, Emergency

Management Office. (Responsible party: Okaloosa County Public Safety, Police and Fire) *Status: Ongoing*

3. Support activities to reduce the risk of loss of electronic equipment and structures due to lightning strike and electrical surge. (All City Departments in City of Crestview) *Status: Ongoing*
4. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: As Needed*

Winter Storms

1. Ensure communications systems are capable to communicate during and following winter storms. (Responsible party: Police and Fire) *Status: Up to Date*
2. Support activities that educate the public about the dangers of winter storms. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Police and Fire) *Status: Ongoing*
3. Ensure winter storm shelters are capable of providing heating systems. (Responsible party: Private resources, Churches) *Status: Not Applicable*
4. Reduce or eliminate the vulnerability to freezing or provide secondary heating or electrical systems for public facilities. (Responsible party: Public Services) *Status: Up to Date*
5. Ensure the public is informed of pending conditions. (Responsible party: Police and Fire) *Status: As Needed*

Heat Wave and Drought

1. Ensure communications systems are capable to communicate during and following heat waves and droughts. (Responsible party: Police and Fire) *Status: Up to Date*
2. Support activities that educate the public about the dangers of heat waves and droughts. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Police and Fire) *Status: Ongoing*
3. Ensure host shelters are capable of providing cooling systems. (Responsible party: Private resources, Churches) *Status: Not Applicable*
4. Ensure the public is informed of pending conditions. (Responsible party: Police and Fire) *Status: As Needed*

Wildfire

1. Ensure communications systems are capable to communicate during and following wildfire events. (Responsible party: Police and Fire) *Status: Up to Date*
2. Ensure the public is informed of pending conditions. (Responsible party: Police, Fire, Florida Division of Forestry) *Status: As Needed*
3. Support activities that educate the public about the dangers of wildfire. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office or the local fire department or the Florida Division of Forestry. (Responsible party: Police and Fire) *Status: Ongoing*
4. Require new subdivisions plats and new commercial structures to designed and built to National Fire Codes. (Florida Building Codes) *Status: Ongoing*

5. Support activities that newly document or update maps, aerial photography, or other remote sensing imagery that shows degrees of risk for wildfire and utilize such data to focus mitigation activities against wildfire. (Responsible party: Florida Division of Forestry) *Status: Ongoing*
6. Support efforts that fire stations and their supporting equipment and personnel are adequate in terms of size, modernization, communications, in order to respond to situations by mitigating situations that are below acceptable standards to fight wildfires throughout the City and to provide mutual aid support in neighboring jurisdictions or counties. (Responsible party: Fire Department) *Status: Ongoing*
7. Support public and private mitigation efforts to provide fire hydrants to locations at risk along the urban/rural interface where water systems exist to provide such services. (Responsible party: Public Services and Fire Department) *Status: Ongoing*
8. Support mitigation efforts that would identify public measures that would help agricultural, forestry and silvicultural prevent or lessen the risk of wildfires. (Responsible party: Public Services and Fire Department) *Status: Ongoing*

City of Destin

The following are a list of mitigation actions preformed by the City of Destin through its Comprehensive Plan, Land Development Regulations, and other relative codes and policies to mitigate against each specific hazard. Also listed are the status of each action and which department is responsible for implementing the action.

Hurricane and Tropical Storm

- 1 Support efforts to shutter critical facilities. *Status: Ongoing*
- 2 Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
- 3 Enforce Florida Building Codes for new structures. (Florida Building Codes) *for NFIP compliance Status: Ongoing*
- 4 Ensure communications are wind and electrical-failure resistant to allow for 24/7 communications during the first 72 hours flowing a disaster. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
- 5 Ensure adequate and safe public risk shelters are available in all location in the County to prevent homelessness, including adequate dining facilities and to maintain sanitary conditions. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: Ongoing*
- 6 Promote and support funding that allows for buildings to remain functional before, during and after a hurricane or tropical storm event in order to support the function of Okaloosa County Emergency Management's mandates. (Responsible party: Various City Departments and Okaloosa County Facilities Management and Public Safety) *Status: Ongoing*
- 7 Promote public awareness of hurricane and tropical storm hazards. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
- 8 Promote ways that private structure owners and landowners can mitigate using governmental or private sector investment. (Responsible party: Growth Management) *for NFIP compliance Status: Ongoing*

- 9 Ensure communications systems are capable to communicate during and following hurricanes/tropical storms. Also to include the ability to erect temporary repeaters to restore communications. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
- 10 Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. (Responsible party: Okaloosa County Public Safety; private businesses) *Status: Ongoing*
- 11 Support activities that educate the public about the dangers of hurricanes/tropical storms. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Okaloosa County Public Safety) *for NFIP compliance Status: Ongoing*
- 12 City of Destin Comprehensive Plan: Policy 5-1.4.11: Development in Beach/Dune Area. Notwithstanding the land use categories and Policies of the Plan, no development or development activity of any kind, except for dune walkovers, shall be allowed within any area 50 feet landward from the mean high water line along the Gulf of Mexico. Density may be transferred from this 50-foot protection area, as well as from other natural resources areas (dunes and wetlands) on a one-to-one basis to the buildable portion of the site. (Responsible party: Destin Community Development, FDEP) *Status: Ongoing*
- 13 City of Destin Comprehensive Plan: Policy 6-1.6.3: Implementing General Hazard Mitigation. The LDC shall restrict the density/intensity of development within the high hazard area as denoted on the Future Land Use Map Series. Furthermore, the state and local coastal construction control lines shall be enforced. Performance criteria shall stipulate the need to reduce exposure of human life and property to natural hazards. (Responsible party: Community Development) *for NFIP compliance Status: Ongoing*
- 14 City of Destin Comprehensive Plan: Policy 6-1.6.4: Hazard Mitigation and Redevelopment. In the event that Destin faces a major disaster or is included in a Presidential Disaster Declaration, the City shall implement the adopted Post Disaster Redevelopment Plan and the interagency hazard mitigation report when adopting a redevelopment plan for the affected areas. Interagency hazard mitigation report shall mean the recommendations of a team of federal, state, regional, or local officials addressing measures that reduce the potential for future flood losses and which is prepared in response to a major disaster or a Presidential Disaster Declaration. The City will amend its local mitigation plan or implement a new program in order to reduce risks of natural disaster and ensure compliance with Federal, State, or regional regulations, imposed on the receipt of Federal monies under the Robert T. Stafford Disaster Assistance and Relief Act, Public Law 93-388. (Responsible party: Community Development) *for NFIP compliance Status: Ongoing*
- 15 City of Destin Comprehensive Plan: Policy 6-1.6.5: Coastal Population Densities and Hurricane Evacuation. Within one year from Plan adoption, the City of Destin shall amend the LDC to include administrative procedures ensuring that any development order approved by the City is coordinated with the Okaloosa County Hurricane Evacuation Plan and applicable regional or State hurricane evacuation plans. (Responsible party: Community Development) *Status: Ongoing*
- 16 City of Destin Comprehensive Plan: Policy 6-1.6.6: Hurricane Evacuation and Roadway Improvements. The City shall promote, to the extent possible, improvements to the critical roadway segments delineated in the Tri-State Hurricane Evacuation Study, U.S. Army Corps

of Engineers, 1997 (reference Appendix C of the Study). Promotion of roadway improvements shall be accomplished through the City's participation with the Fort Walton Beach Urban Area Metropolitan Planning Organization (MPO) and the Florida Department of Transportation. (Responsible party: Public Services, Community Development) *Status: Ongoing*

- 17 City of Destin Comprehensive Plan: Policy 6-1.7.1: Existing Infrastructure in the CHHA. Within two years of Plan adoption, the City shall establish a list of infrastructure facilities located in the CHHA that could be relocated, mitigated or replaced should state funding become available for such activities. Infrastructure is defined as roads, bridges, sanitary sewer facilities, and potable water facilities. The City shall give priority for relocating, mitigating, or replacing infrastructure facilities to the facilities located in the high velocity storm surge areas. (Responsible party: Public Services, DWU, Okaloosa Gas) *Status: Ongoing*
- 18 City of Destin Comprehensive Plan: Policy 6-1.7.2: Future Infrastructure in the CHHA. The City shall continue to allow infrastructure facilities to be constructed within the CHHA provided that the facilities are necessary to serve the existing and/or future population, and are constructed in a manner that minimizes the impacts from storm events. (Responsible party: Public Services, Community Development) *Status: Ongoing*
- 19 City of Destin Comprehensive Plan: Policy 6-1.8.1: Restrict Development in CHHA. The City shall continue to allow development within the CHHA; however, the City shall direct population concentrations, including nonresidential development, away from the areas designated as a high velocity storm surge area. Residential development and/or redevelopment in the CHHA shall not exceed the residential densities shown on the Future Land Use Map for that property. (Responsible party: Community Development) *Status: Ongoing*
- 20 City of Destin Comprehensive Plan: Policy 6-1.8.2: Residential Structures within the CHHA. Within the CHHA, the City shall allow no new permanent residential structures, which do not meet the construction standards required by the FDEP if the construction is seaward of the CCCL or by the FEMA construction standards if located within applicable flood zones or Category 1 storm-surge contours. (Responsible party: Community Development) *Status: Ongoing*
- 21 City of Destin Comprehensive Plan: Policy 6-1.9.1: Emergency Management. Through the City's emergency management department, the City shall manage its local emergency plan and utilize the recommendations provided in the Northwest Florida Hurricane Evacuation Study (July 1999) as well as the Okaloosa County's Comprehensive Emergency Management Plan. (Responsible party: Public Services) *Status: Ongoing*
- 22 City of Destin Comprehensive Plan: Policy 6-1.9.2: Hurricane Evacuation Logistical Support. To prevent congestion on roads and overcrowding at evacuation centers, the City shall coordinate with Okaloosa County in disseminating information concerning the need for residents to evacuate at various hurricane threat levels. The City shall coordinate with the County and the Okaloosa County Emergency Management Director in assisting implementation of the County's campaign to educate the general citizenry regarding emergency preparedness plans, including specific citizen directives. (Responsible party: County, Public Services, City PIO) *Status: Ongoing*

- 23 City of Destin Comprehensive Plan: Policy 6-1.9.3: Future Coordination with the County in Emergency Preparedness. To provide for safe and efficient evacuation of the residents of Destin, in the event of a hurricane, the City shall coordinate with Okaloosa County in annually updating the County's Comprehensive Emergency Management Plan. The City shall coordinate with the County in updating hurricane evacuation center assignments as well as other policy formulation surrounding land use and emergency preparedness. This update shall enable the County and incorporated municipalities to plan for future population densities that will neither adversely impact the efficiency of the evacuation plan nor increase evacuation times. The City shall also coordinate with the County in updating hurricane evacuation shelter assignments as well as other policy formulation surrounding land use and emergency preparedness. (Responsible party: Public Services) *Status: Ongoing*
- 24 City of Destin Comprehensive Plan: Policy 6-1.9.4: Designated Hurricane Evacuation Routes. The City designates Harbor Boulevard/Emerald Coast Parkway and Mid-Bay Bridge as the primary evacuation routes out of Destin as part of its Hurricane Evacuation Plan. (Responsible party: Public Services) *Status: Ongoing*
- 25 City of Destin Comprehensive Plan: Policy 6-1.9.5: Re-Entry Following a Hurricane Evacuation. The City shall coordinate with Walton County and Okaloosa County Emergency Management Services to coordinate efficient and safe re-entry into the City following a mandatory evacuation. The City's adopted Post-Disaster Redevelopment Plan shall be used as its established program addressing re-entry into the City when destruction and damage to buildings and infrastructure have occurred due to a storm event that resulted in evacuation. (Responsible party: Sheriff's Dept., Public Services, Community Development) *Status: Ongoing*
- 26 City of Destin Comprehensive Plan: Policy 6-1.9.6: Improve Hurricane Evacuation Time. The City shall continue to support programs that reduce evacuation time through improved warning and evacuation notification systems. To improve hurricane evacuation time, the City shall plan the construction of an alternative east/west roadway parallel to and north of Harbor Boulevard/Emerald Coast Parkway. The City shall incorporate this new roadway into its hurricane evacuation plans as an alternative route to Harbor Boulevard/Emerald Coast Parkway in the event an accident, traffic congestion, or flooding limits or prevents use of the highway along any portion from Danny Wuerffel Way to Calhoun Ave. The City shall also coordinate with FDOT regarding available FDOT funds to support construction of a back-up alternative east-west evacuation route for Harbor Boulevard/Emerald Coast Parkway. (Responsible party: Public Services, TPO) *Status: Ongoing*
- 27 City of Destin Comprehensive Plan: Policy 6-1.9.6: Improve Hurricane Evacuation Time. The City shall continue to support programs that reduce evacuation time through improved warning and evacuation notification systems. To improve hurricane evacuation time, the City shall plan the construction of an alternative east/west roadway parallel to and north of Harbor Boulevard/Emerald Coast Parkway. The City shall incorporate this new roadway into its hurricane evacuation plans as an alternative route to Harbor Boulevard/Emerald Coast Parkway in the event an accident, traffic congestion, or flooding limits or prevents use of the highway along any portion from Danny Wuerffel Way to Calhoun Ave. The City shall also coordinate with FDOT regarding available FDOT funds to support construction of a back-up

alternative east-west evacuation route for Harbor Boulevard/Emerald Coast Parkway. (Responsible party: Public Services, TPO) *Status: Ongoing*

- 28 City of Destin Comprehensive Plan: Policy 6-1-9.8: Hurricane Evacuation Carrying Capacity Study. Within two years of Plan adoption, the City shall conduct a study to identify the carrying capacity of all evacuation routes within the City. Based on the findings of the carrying capacity study, the City shall identify transportation improvement needs, hurricane preparedness actions, or land use controls to assure timely evacuation of the entire City prior to hurricane landfall. As evacuation routes are also used by residents and visitors within Walton County and Okaloosa County, the City shall request participation from Walton County and Okaloosa County in the preparation of a carrying capacity study for Harbor Boulevard/Emerald Coast Parkway and other evacuation routes leading from coastal areas to the mainland. (Responsible party: Community Development) *Status: Ongoing*
- 29 City of Destin Comprehensive Plan: Policy 6-1.6.1: CHHA Defined. As defined in Rule 9J-5.003(17), FAC, the CHHA is defined as the areas to be evacuated during a Category 1 storm event as determined by the Northwest Florida Hurricane Evacuation Study. (Responsible party: Sheriff's Dept.) *Status: CHHA Defined, subject to update*
- 30 City of Destin Comprehensive Plan: Policy 6-1.6.2: Hazard Mitigation Management. The City shall continue participate in the County's technical coordinating committee in preparing the hazard mitigation component of the Comprehensive Emergency Management Plan. Updates of the Plan shall identify specific actions that may be implemented to reduce exposure to natural hazards. In addition, the City shall enforce more restrictive land use controls within the CHHA than in areas outside of the CHHA, including but not limited to:
- Not allowing increases in maximum density as identified in the Future Land Use Map.
 - Performance criteria within the LDC shall mandate that all development and redevelopment within the CHHA comply with the following regulatory techniques for hazard mitigation:
 - i. State and local regulations establish coastal construction control lines, as well as applicable state and local construction codes regulating construction activity in coastal areas.
 - ii. Surface water management improvements that mitigate against loss of flood plain and comply with adopted surface water management level of service standards for drainage cited in the Public Facilities Element.
 - iii. Publicly funded infrastructure shall not be built within the CHHA unless the facility is for the protection of public health and safety, creation of open space, implementation of beach restoration or shoreline erosion protection programs.
 - iv. Land use controls shall ensure that wetlands are preserved and protected from the adverse impacts of development.
 - v. Dune and beach system restoration including ongoing maintenance of coastal vegetation.
 - A multi-agency site plan review process shall be initiated to ensure that all proposed development or redevelopment having adverse impacts on water quality, wetlands, shoreline stabilization, natural habitats, fish or wildlife, hurricane evacuation, or other coastal resources, shall be coordinated with County, State, federal, or regional agencies having jurisdiction. A primary function of this review process shall be to

effectively reconcile hazard mitigation issues prior to issuance of any development orders. (Responsible party: Community Development) *Status: Ongoing*

Storm Surge

- 1 Promote public awareness of storm surge. (Responsible party: Community Development) *Status: Ongoing*
- 2 Ensure the public is informed of pending conditions. (Responsible party: Okaloosa county Public Safety Department) *Status: Ongoing*
- 3 Ensure that maps accurately reflect the amount of storm surge, wave and flood action that can occur during hurricanes and tropical storms. (Community Development) *Status: Completed subject to future revisions*
- 4 Provide opportunities for property owners to elevate existing structures, move them to higher ground, or to have properties purchased by local governments in order to reduce overall community vulnerability to storm surge. (Responsible party: Community Development, private landowners) *Status: Ongoing*
- 5 Promote the continued purchase of lands that are at high risk of storm surge, with proper considerations of private property rights and constitutional requirements for just compensation, as appropriate. *Status: Ongoing*
- 6 Ensure roads are designed and engineered for the amount of storm surge that can be expected. *Status: Ongoing*
- 7 Support activities that educate the public about the dangers of storm surge. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: Ongoing*
- 8 City of Destin Comprehensive Plan: Policy 6-1.1.10: Protection of Norriego Point. The City shall continue its efforts to preserve and protect Norriego Point, a peninsula separating Destin Harbor from East Pass. All or appropriate portions of Norriego Point under public ownership shall be preserved as a bird rookery. Efforts will include cooperation by the City with the FDEP and U.S. Army Corps of Engineers. The City will continue to monitor the condition of the point and notify both agencies whenever erosion or other activities threaten the Point. The City shall continue to request that spoils materials from dredging East Pass be used to renourish and replenish Norriego Point. (Responsible party: Community Development, Public Services, FEDP) *Status: Ongoing*
- 9 City of Destin Comprehensive Plan: Policy 3-1.3.6: Manufactured Housing Location Principles. Mobile homes shall be prohibited within storm-surge areas of the City and within FEMA 100-year flood areas. Manufactured housing, which does not meet the Federal Highway Administration (FHWA) definition of mobile home, shall be constructed consistent with Florida Standard Building Code and, where applicable within the City, FEMA construction standards. (Responsible party: Community Development) *Status: Ongoing*

Flooding

- 1 Ensure all future buildings are constructed to the Florida Building Code. *for NFIP compliance Status: Ongoing*

- 2 Ensure all future buildings are built with a minimum finished floor height of 1' above the established Base Flood Elevation on the Flood Insurance Rate Maps for those buildings located within the AE Flood Zones. *for NFIP compliance Status: Ongoing*
- 3 Ensure all future buildings built within the V Flood Zones meet the minimum 1' freeboard requirement. *for NFIP compliance Status: Ongoing*
- 4 Ensure all future buildings are built with a minimum finished floor height of 5' above the highest adjacent grade for those buildings located within the un-numbered A Flood Zones. *for NFIP compliance Status: Ongoing*
- 5 Ensure all future buildings are built with a minimum finished floor height of 1' above the crown of the road, unless a variance is granted by the Public Works department. *for NFIP compliance Status: Ongoing*
- 6 Ensure roads are designed and engineered for the amount of flooding that can be expected. *for NFIP compliance*
- 7 Ensure that all flooding sources are documented and that the public are aware of the existence of such mapping services and products for planning purposes. *for NFIP compliance Status: Ongoing*
- 8 Promote the continued purchase of lands that are at high risk of flooding, with proper considerations of private property rights and constitutional requirements for just compensation, as appropriate. *for NFIP compliance Status: Ongoing*
- 9 Provide opportunities for property owners to elevate existing structures, move them to higher ground, or to have properties purchased by local governments in order to reduce overall community vulnerability to flooding. *for NFIP compliance Status: Ongoing*
- 10 Ensure that all public buildings that serve first response and critical emergency/public needs, including recording/data collection and communication centers/infrastructure, are located outside of flood zones or flood prone areas. *for NFIP compliance Status: Ongoing*
- 11 Ensure communications systems are capable to communicate during and following flood events. *Status: Ongoing*
- 12 Maintain status as a NFIP and CRS community by enforcing both the NFIP requirements and additional criteria that exceeds the NFIP for CRS compliance as a class 6 community. *Status: Ongoing*
- 13 Support efforts of the Institute of Food and Agricultural Services (IFAS/County Cooperative Extension Service) and the Natural Resources conservation Services (NRCS) as it relates to reduction and mitigation of flood hazards to crops and silvicultural operations. *Status: Ongoing*
- 14 Support activities that educate the public about the dangers of flooding. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *for NFIP compliance Status: Ongoing*
- 15 Ensure the public is informed of pending conditions. *Status: Ongoing*
- 16 City of Destin Comprehensive Plan: Policy 9-1.5.4: Resolving Concurrency Issues. In order to implement § 9J-5.0055 FAC and Objective 9-1.5, the City shall require that all developments obtaining a development order as part of the review process, including building permits, zoning permit, subdivision approval, rezoning, special use, variance, site plan approval, or any other official City action having the effect of permitting a development of land [Cross reference § 163.3164 (7) FAC] shall, at the time the subject application is filed, submit

narrative and graphic information which demonstrates that all urban services needed by the proposed development can and will be provided concurrent with the new development. (Responsible party: Community Development) *Status: Ongoing*

- 17 City of Destin Comprehensive Plan: To establish an orderly review process, the City shall include in the adopted LDC specific narrative and/or graphic data and information required at the time an application for comprehensive plan amendment or LDC amendment, subdivision or replat, site plan, or building permit is filed with the City. As a minimum, the information shall include, but may not be limited to, the following: Conceptual plan for accommodating stormwater runoff and demonstrated evidence that the proposed drainage improvements shall accommodate stormwater runoff without adversely impacting natural systems or the City's adopted level of service for storm drainage. (Responsible party: Community Development) *Status: Ongoing*
- 18 City of Destin Comprehensive Plan: Policy 3-1.3.6: Manufactured Housing Location Principles. Mobile homes shall be prohibited within storm-surge areas of the City and within FEMA 100-year flood areas. Manufactured housing, which does not meet the Federal Highway Administration (FHWA) definition of mobile home, shall be constructed consistent with Florida Standard Building Code and, where applicable within the City, FEMA construction standards. (Responsible party: Community Development) *Status: Ongoing*

Dam Safety

- 1 Support efforts that document hazards and risks associated with structural and earthen dams and upkeep. (Responsible party: NWFLWMD) *Status: Ongoing*
- 2 Support efforts that create partnerships with property owners that promote the overall goal of communitywide and stream valley safety. (Responsible party: NWFLWMD) *Status: Ongoing*
- 3 City of Destin Comprehensive Plan: Policy 4-5.1.2: Inspection of Facilities. The City shall continue its periodic inspection program of stormwater control and treatment structures to ensure proper functioning and continue to enforce the maintenance and operation of such structures previously permitted by the City. (Responsible party: Public Services) *Status: Ongoing*
- 4 City of Destin Comprehensive Plan: Policy 4-5.1.3: Maintain Facilities Per LOS Standards. The City shall continue its practice of correcting localized drainage problems so that LOS standards are maintained. (Responsible party: Public Services) *Status: Ongoing*
- 5 City of Destin Comprehensive Plan: Policy 4-5.1. 4: Roadway Drainage Facilities. The City shall require the use of swale drainage on roadways (existing or new) to the maximum extent possible. Perforated pipe shall be used in situations where piping is necessary. The types of soils in these areas shall provide percolation of a 25-year/24-hour storm event within 72 hours. (Responsible party: Public Services) *Status: Ongoing*

Land Erosion

1. Support efforts that allow public and private sector entities to gain control of problem erosion locations, gullies and rills that reduce unnatural sedimentation accumulation and

- cutting into natural hillsides and land, and to control coastal erosion where seawalls are necessary. (Land Development Code, NRCS, DEP, ACE) *Status: Ongoing*
2. Support efforts that help to eliminate or reduce coastal erosion due to boat/ship wake issues, while weighing the interests of the boating public. (Responsible party: Coast Guard) *Status: Ongoing*
 3. City of Destin Comprehensive Plan: Policy 5-1.10.3: Construction Activities Consistent with Soil Types Land uses and construction techniques shall be compatible with soil conditions specific to the site. Boring and soils test shall be conducted to demonstrate that suspect soils are suitable to accommodate proposed land uses and construction. Any modification to soils must comply with the City's White Sand Protection policies and ordinances. (Responsible party: Community Development, FEDP) *Status: Ongoing*

Severe Storms

1. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
2. Ensure communications systems are capable to communicate during and following severe storms. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: Ongoing*
3. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
4. Support activities that educate the public about the dangers of severe storms. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*

Tornado and Waterspout

1. Ensure communications systems are capable to communicate during and following tornados and waterspouts. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: Ongoing*
2. Support activities that educate the public about the dangers of tornados and waterspouts. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
3. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
4. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: Ongoing*

Thunderstorms and Lightning

1. Ensure communications systems are capable to communicate during and following thunderstorms and lightning. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: Ongoing*

- 2 Support activities that educate the public about the dangers of thunderstorms and lightning. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Okaloosa County Public Safety)
- 3 Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
- 4 Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: Ongoing*

Winter Storms

- 1 Ensure communications systems are capable to communicate during and following winter storms. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: Ongoing*
- 2 Support activities that educate the public about the dangers of winter storms. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: Ongoing*
- 3 Reduce or eliminate the vulnerability to freezing or provide secondary heating or electrical systems for public facilities. (Responsible party: City Departments) *Status: Ongoing*
- 4 Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*

Heat Wave and Drought

- 1 Ensure communications systems are capable to communicate during and following heat waves and droughts. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
- 2 Support activities that educate the public about the dangers of heat waves and droughts. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: Ongoing*
- 3 Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety, City Departments) *Status: Ongoing*
- 4 City of Destin Comprehensive Plan: Policy 5-1.2.1: Potable Water Supply. Within two years of Plan adoption, the City shall request that DWU and SWU submit at least on a quarterly basis a status report to the City stating the availability of water capacity and water quality within the DWU system to serve existing development and future connections within Destin. (Responsible party: Community Development) *Status: Ongoing*
- 5 City of Destin Comprehensive Plan: Policy 5-1.2.2: Wellfield Protection Areas. The City shall ensure the protection of potable water supply wells near DWU wellfields by restricting uses within a 300-foot radius surrounding each wellfield to those that do not handle hazardous materials of any type or have the potential to harm the water supply in accordance with Chapters 62-521 and 62-555, F.A.C. The area enclosed within a 300-foot foot distance surrounding each DWU well is designated as a wellfield protection area. (Responsible party: Community Development) *Status: Ongoing*

- 6 City of Destin Comprehensive Plan: Policy 5-1.2.3: Water Resource Caution Area and Water Conservation. Destin is located within a designated Water Resource Caution Area. The City shall support efforts by the NFWFMD, DWU, and SWUS to identify alternative drinking water sources other than the Floridian Aquifer. The City shall also extend cooperation with the water utility companies regarding extension of water transmission mains to inland wellfields. (Responsible party: DWU) *Status: Ongoing*
- 7 City of Destin Comprehensive Plan: Policy 5-1.2.4: Intergovernmental Coordination for Water Conservation. The City shall cooperate with local, regional, state and federal agencies for the management of fresh water resources to maintain adequate fresh water supplies during dry periods and to conserve water where practicable. (Responsible party: Community Development) *Status: Ongoing*
- 8 City of Destin Comprehensive Plan: Policy 5-1.2.5: Emergency Water Conservation. Destin shall cooperate with DWU and Northwest Florida Water Management District to conserve water resources. (Responsible party: Community Development) *Status: Ongoing*
- 9 City of Destin Comprehensive Plan: Policy 5-1.2.6: Low-Water Tolerant Landscaping. Within one year of Plan adoption, the City will amend the LDC to require new development and redevelopment to use low-water tolerant plant and tree species to fulfill a minimum portion of required landscaping materials to promote regional goals to conserve groundwater. The LDC will also require rain-gauge detection devices be installed with all new irrigation systems permitted by the City. (Responsible party: Community Development) *Status: Ongoing*
- 10 City of Destin Comprehensive Plan: Policy 5-1.2.7: Extension of Gray Water/Re-Use Lines. Within two years of Plan adoption, the City shall coordinate with DWU to encourage the extension of gray water systems and re-use lines to those developed areas of Destin currently not served by such system. If such coordination efforts reveal that extension of reuse lines is not financially feasible for DWU, the City shall investigate potential grant funds administered by state or federal agencies that may be available to assist with the extension of such systems. (Responsible party: Community Development, DWU) *Status: Ongoing*

Wildfire

- 1 Ensure communications systems are capable to communicate during and following wildfire events. (Responsible party: Okaloosa County Public Safety, Fire Departments) *Status: Ongoing*
- 2 Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety, Forest Service, Division of Forestry) *Status: Ongoing*
- 3 Support activities that educate the public about the dangers of wildfire. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office or the local fire department or the Florida Division of Forestry. *Status: Ongoing*
- 4 Require new subdivisions plats and new commercial structures to designed and built to National Fire Codes (Responsible Party: Community Development) *Status: Ongoing*
- 5 Support public and private mitigation efforts to provide fire hydrants to locations at risk along the urban/rural interface where water systems exist to provide such services. (Responsible party: Various Departments, utility providers) *Status: Ongoing*

- 6 City of Destin Comprehensive Plan: Policy 3-1.5.2: Maintain Active Code Enforcement. The City shall maintain an active code enforcement program to identify housing accommodations and nonresidential structures that fail to comply with the minimum specification governing building construction, electrical facilities, water and wastewater systems, construction, fire protection, flood prevention, and housing. Where structures fail to meet minimum standard specifications, the City shall duly notice the violation and stipulate conditions for bringing the structure into compliance. (Responsible Party: Community Development) *Status: Ongoing*

Beach Erosion

- 1 Ensure compliance with the Florida Department of Environmental Protection (FDEP) Coastal Construction Control Line (CCCL) regulations that require location of construction a sufficient distance landward of the beach to permit natural shoreline fluctuations and to preserve dune stability. Construction may occur to the extent that the natural storm buffering and protection capability of the dunes is not diminished. (Responsible Party: Community Development) *Status: Ongoing*
- 2 The County will encourage activities that protect and rebuild coastal dunes. This will be accomplished by continuing, or supporting the continuation of, activities by private and public agencies for dune restoration purposes, installation of sand fences on public and private properties, and enforcing restrictions regarding the destruction of sea oats and requiring the planting of sea oats by new development in coastal areas. All activities will be coordinated with the Guiding Principles of the Local Mitigation Strategy. (Responsible Party: Community Development) *Status: Ongoing*
- 3 Cooperate with the U.S. Army Corps of Engineers and the Florida Department of Environmental Protection to re-nourish public beaches using white sand made available by maintenance dredging of Choctawhatchee Bay, Santa Rosa Sound, or other water bodies within or near Okaloosa County. (Responsible Party: Multiple Agencies) *Status: Ongoing*
- 4 With respect to acquisition, the County, where feasible, shall protect environmentally sensitive coastal areas unduly threatened by development, through acquisition, establishment of public or private conservation easements, purchase of development rights, or through other available means as deemed appropriate. (Responsible Party: Community Development) *Status: Ongoing*
- 5 The County will encourage existing development and require new development to plant or replant native vegetation where appropriate, including seagrass beds and other types of shoreline, aquatic and upland vegetation. (Responsible Party: Community Development) *Status: Ongoing*
- 6 Coordinate with the following existing resource protection plans: Choctawhatchee River and Bay S.W.I.M. Plan, Pensacola Bay S.W.I.M. Plan, FDEP Ecosystem Management Plan, West Florida Strategic Regional Policy Plan, Rocky Bayou Aquatic Preserve Management Plan, and the Northwest Florida Resource Management Plan, and the Local Mitigation Strategy. (Responsible Party: Community Development) *Status: Ongoing*
- 7 Shoreline armoring should be discouraged in favor of alternative methods of enhancing shoreline stability that minimize erosion and allow for the growth of emergent shoreline grasses. (Responsible Party: Community Development) *Status: Ongoing*

- 8 New structures, other than dune walkovers, and structures needed to accommodate conservation and passive recreation uses, are prohibited within the portion of the Coastal High Hazard Area lying within the FEMA V Zone, unless all Department of Environmental Protection Coastal Construction Control Standards and FEMA Special Hazard Area Minimum Construction Requirements are met. (Responsible Party: Community Development) *Status: Ongoing*
- 9 Enforce rigorous development standards consistent with the County's NFIP and the CRS program for flood hazard reduction including: location of buildings landward of the reach of the mean high tide; requirement to elevate structures one (1) foot above base flood elevation as specified on F.E.M.A. maps; anchoring standards to resist flotation, collapse, and lateral movement; prohibiting fill used as structural support in V zones, and; prohibiting alteration of sand dunes which would increase potential flood damage. (Responsible Party: Community Development) *Status: Ongoing*
- 10 Public funds shall be expended in the coastal high hazard area only for development that: complies with land use densities/intensities adopted in the comprehensive plan; produces no adverse affects to the surrounding land uses or the environment without approved mitigation plans, and/or; furthers opening up the waterfront to public access. (Responsible Party: Community Development) *Status: Ongoing*
- 11 Shoreline development must comply with performance standards that address lot coverage, vegetated buffers, stormwater management, and erosion and sedimentation controls. (Responsible Party: Community Development) *Status: Ongoing*
- 12 City of Destin Comprehensive Plan: Policy 5-1.10.1: White Sand Protection Zone. White sand is a designated natural resource within Destin that shall be protected for the purpose of preserving the unique and aesthetic environmental attributes it contributes to the Emerald Coast's renowned coastal beauty, and for its economic attributes to the local tourism economy. Where indigenous white sand is the predominant surface soil, construction activities and fill material used for new development or redevelopment shall not cause or have the potential to cause, through wind and water transport, any alteration to surface soil characteristics resulting from incompatible fill material or landscaping. Map 5-1 identifies the boundaries where White Sand shall be protected from potential adverse impacts generated by site development. (Responsible party: Community Development, FDEP) *Status: Ongoing*
- 13 City of Destin Comprehensive Plan: Policy 5-1.10.3: Construction Activities Consistent with Soil Types Land uses and construction techniques shall be compatible with soil conditions specific to the site. Boring and soils test shall be conducted to demonstrate that suspect soils are suitable to accommodate proposed land uses and construction. Any modification to soils must comply with the City's White Sand Protection policies and ordinances. (Responsible party: Community Development, FEDP) *Status: Ongoing*
- 14 City of Destin Comprehensive Plan: Policy 6-1.1.9: Artificial Reef Program. The City shall continue to support artificial reef programs sponsored by the State and County that create habitat for aquatic species and/or protect Gulf beaches from soil erosion. The City shall continue to cooperate with the U.S. Army Corps of Engineers, the U.S. Fish and Wildlife Service, and the FDEP by providing inspection services for artificial reef materials and continue to ensure that such materials are suitable for use as artificial habitats in the Gulf and Bay. (Responsible party: Public Services) *Status: Ongoing*

- 15 City of Destin Land Development Code: Policy 6-1.3.1: Reduce Shoreline Erosion through the Land Development Code. The City shall continue to enforce its Shoreline Protection Ordinance. No native vegetation shall be removed from the coastal or wetland shoreline without a duly authorized permit from the city and state agencies, as applicable. Development along the shoreline shall revegetate, stabilize, and enhance damaged vegetative shorelines by planting native vegetation which contribute to fish and wildlife habitat, marine productivity and water quality, offer protection from erosion and flooding, contribute to the natural soil building process. (Responsible party: Community Development)
- 16 City of Destin Comprehensive Plan: Policy 6-1.3.3: Coastal Vegetation. No vegetation shall be removed unless the applicant agrees to a mitigation plan to ensure that revegetation occurs. Appropriate federal and/or state agencies having jurisdiction shall approve the mitigation plan and establish the appropriate revegetation ratio. Hardening of the shoreline with bulkheads or other similar devices shall not be allowed without proper permits. (Responsible party: Community Development) *Status: Ongoing*
- 17 City of Destin Comprehensive Plan: Policy 6-1.3.4: Coastal Revegetation Programs. The City shall continue to support programs administered by the FDEP to plant coastal vegetation and sea oats along shoreline beaches. The City shall also annually evaluate available state grant funds to assist revegetation activities along the City's shoreline. (Responsible Party: Various City Departments) *Status: Ongoing*
- 18 City of Destin Comprehensive Plan: Policy 6-1.3.5: Beach Renourishment Programs. The City shall continue to support the FDEP's Beach Erosion Control Plan. The City shall annually evaluate available grant funds administered by the FDEP for beach restoration and renourishment. The City shall also request that the Okaloosa County Tourist Development Council (TDC) and the Okaloosa County Board of County Commissioners dedicate annual revenues to beach restoration and coastal vegetation replanting within the Destin area. (Responsible party: CM Office, Public Services) *Status: Ongoing*
- 19 City of Destin Comprehensive Plan: Policy 6-1.3.6: Artificial Reef Programs. The City will continue to support State programs to create near-shore artificial reefs that reduce shoreline erosion. (Responsible party: Public Services, CM Office) *Status: Ongoing*
- 20 City of Destin Comprehensive Plan: Policy 6-1.3.8: Erosion Impacts Generated by Motorized Watercraft. Where the City experiences shoreline erosion from wave impacts generated by watercraft operating within near shore areas and within bayous, coordination will occur with the State Office of Waterway Management regarding establishment of no wake zones, watercraft speed limits, or boating restrictions within the affected shoreline areas. For areas where existing boating restrictions are posted, the City will coordinate with State Office of Waterway Management regarding increased enforcement activities. (Responsible party: Community Development) *Status: Ongoing*
- 21 City of Destin Comprehensive Plan: Policy 6-1.3.9: Sand Deposits at Norriego Point. The City shall continue to coordinate with the U.S. Army Corps of Engineers regarding depositing sands dredged from East Pass onto Norriego Point. (Responsible party: Community Development, Public Services, CM) *Status: Ongoing*
- 22 City of Destin Comprehensive Plan: Policy 6-1.1.10: Protection of Norriego Point. The City shall continue its efforts to preserve and protect Norriego Point, a peninsula separating Destin Harbor from East Pass. All or appropriate portions of Norriego Point under public

ownership shall be preserved as a bird rookery. Efforts will include cooperation by the City with the FDEP and U.S. Army Corps of Engineers. The City will continue to monitor the condition of the point and notify both agencies whenever erosion or other activities threaten the Point. The City shall continue to request that spoils materials from dredging East Pass be used to renourish and replenish Norriego Point. (Responsible party: Community Development, Public Services, FEDP) *Status: Ongoing*

- 23 City of Destin Comprehensive Plan: Policy 6-1.5.1: Enforce Development Restrictions Seaward of the CCCL. The City shall coordinate the development review process by forwarding all applications for construction seaward of the Coastal Construction Control Line (CCCL) to FDEP for jurisdictional action. Following such action, any construction permitted by the State shall comply with best management principles and practices for respective activities and shall receive permits from all other public agencies having jurisdiction. (Responsible party: Community Development) *Status: Ongoing*
- 24 City of Destin Comprehensive Plan: Policy 6-1.5.2: Natural Shoreline and Beach/Dune Stabilization. Shoreline development and access shall continue to be restricted in order to preserve the shoreline. Rigid shore protection structures are not permitted except for those structures approved by FDEP or the U.S. Corps of Engineers to protect marine vessel passageways. When beach renourishment projects are needed, the dune system should be restored, as necessary, using natural, indigenous vegetation. (Responsible party: FDEP, Public Services) *Status: Ongoing*
- 25 Policy 6-1.13.2: Beach Renourishment Standards. Any future proposed beach renourishment project shall meet standards of best management practices and shall receive permits from all federal and state agencies having jurisdiction, including the FDEP. (Responsible party: Community Development) *Status: Ongoing*
- 26 City of Destin Comprehensive Plan: Policy 6-1.5.3: Restrictions on Operation of Vehicles on Beaches. The City shall continue to enforce restrictions that prohibit any motorized vehicle upon or over the City's incorporated portion of the beach adjacent to the Gulf of Mexico, excepting mechanical beach cleaning equipment, public safety and emergency vehicles, and vehicles permitted by the FDEP. (Responsible party: FDEP, Sheriff's Dept., Code Enf.) *Status: Ongoing*
- 27 City of Destin Comprehensive Plan: Policy 6-1.5.4: Beach and Dune Systems. Within one year of plan adoption, the LDC shall be amended to require beach and dune system restoration where development is proposed on the adjacent upland to the primary dune system and where breaches are caused in any portion of a dune system. Furthermore, beach and dune system restoration shall be incorporated into the landscape plan required for new development. The property owner is required to maintain and restore beach and dune systems, including all coastal vegetation, occurring within the parcel or lot consistent with the landscape plan. The LDC shall require dune and beach restoration plans as part of the landscape standards. (Responsible party: Community Development) *Status: Ongoing*
- 28 City of Destin Comprehensive Plan: Policy 5-1.5.7: Gulf Shoreline Protection Zone. A Gulf shoreline protection zone commences at the mean high-water line and runs to and includes the primary dune system, which is defined according to Section 62B-33.002(17), F.A.C. The following activities shall be prohibited within the Gulf shoreline protection zone:

- a. Construction of buildings and structures, except for permitted minor structures authorized by the FDEP; albeit the minimum setback for construction within properties fronting the Gulf of Mexico shall not be less than 50 feet from the line of mean high water.
- b. Removal of existing vegetation, except as allowed pursuant to an approved FDEP permit;
- c. Planting of new vegetation except for native, salt-resistant species suitable for beach and dune stabilization;
- d. Installation of temporary or permanent coastal armoring, as such is defined in Rule 62B-33.002(5), Florida Administrative Code, unless a permit for such armoring has been issued by FDEP, and any other applicable Federal and local requirements have been satisfied, or unless such armoring is authorized by the City's adoption of an emergency resolution pursuant to F.S. § 161.085(3), and any other applicable Federal, State and local requirements have been satisfied. (Responsible party: Community Development) *Status: Ongoing*

City of Laurel Hill

Hurricane and Tropical Storm

1. Support efforts to shutter critical facilities. *Status: Ongoing*
2. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
3. Enforce Florida Building Codes for new structures. (Florida Building Codes) (Responsible party: Okaloosa County Growth Management) *Status: Ongoing*
4. Ensure communications are wind and electrical-failure resistant to allow for 24/7 communications during the first 72 hours following a disaster. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
5. Ensure adequate and safe public risk shelters are available in all location in the County to prevent homelessness, including adequate dining facilities and to maintain sanitary conditions. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: Ongoing*
6. Promote and support funding that allows for buildings to remain functional before, during and after a hurricane or tropical storm event in order to support the function of Okaloosa County Emergency Management's mandates. *Status: Ongoing*
7. Promote public awareness of hurricane and tropical storm hazards. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
8. Promote ways that private structure owners and landowners can mitigate using governmental or private sector investment. (Responsible party: Growth Management) *Status: Ongoing*
9. Ensure communications systems are capable to communicate during and following hurricanes/tropical storms. Also to include the ability to erect temporary repeaters to restore communications. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
10. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. (Responsible party: Okaloosa County Public Safety; private businesses) *Status: Ongoing*

11. Support activities that educate the public about the dangers of hurricanes/tropical storms. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*

Flooding

1. Ensure all future buildings are constructed to the Florida Building Code. (Land Development Code) *Status: Ongoing*
2. Provide opportunities for property owners to elevate existing structures, move them to higher ground, or to have properties purchased by local governments in order to reduce overall community vulnerability to flooding. (Land Development Code, FEMA) *Status: Ongoing*
3. Ensure that all public buildings that serve first response and critical emergency/public needs, including recording/data collection and communication centers/infrastructure, are located outside of flood zones or flood prone areas. (FEMA, Land Development Code) *Status: Ongoing*
4. Ensure communications systems are capable to communicate during and following flood events. (Responsible party: Okaloosa County Public Safety, private companies) *Status: Ongoing*
5. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*

Dam Safety

1. Support efforts that document hazards and risks associated with structural and earthen dams and upkeep. (Responsible party: NWFLWMD) *Status: Ongoing*
2. Support efforts that create partnerships with property owners that promote the overall goal of communitywide and stream valley safety. (Responsible party: NWFLWMD) *Status: Ongoing*

Land Erosion

1. Support efforts that allow public and private sector entities to gain control of problem erosion locations, gullies and rills that reduce unnatural sedimentation accumulation and cutting into natural hillsides and land, and to control coastal erosion where seawalls are necessary. (Land Development Code, NRCS, DEP, ACE) *Status: Ongoing*
2. Support efforts that help to eliminate or reduce coastal erosion due to boat/ship wake issues, while weighing the interests of the boating public. (Responsible party: Coast Guard) *Status: Ongoing*

Severe Storms

1. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
2. Ensure communications systems are capable to communicate during and following severe storms. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: Ongoing*

3. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
4. Support activities that educate the public about the dangers of severe storms. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*

Tornado

1. Ensure communications systems are capable to communicate during and following tornados. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: Ongoing*
2. Support activities that educate the public about the dangers of tornados and waterspouts. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
3. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
4. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: Ongoing*

Thunderstorms and Lightning

1. Ensure communications systems are capable to communicate during and following thunderstorms and lightning. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: Ongoing*
2. Support activities that educate the public about the dangers of thunderstorms and lightning. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
3. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*
4. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: Ongoing*

Winter Storms

1. Ensure communications systems are capable to communicate during and following winter storms. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: Ongoing*
2. Support activities that educate the public about the dangers of winter storms. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: Ongoing*
3. Reduce or eliminate the vulnerability to freezing or provide secondary heating or electrical systems for public facilities. (Responsible Party: City Departments) *Status: Ongoing*
4. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*

Heat Wave and Drought

1. Ensure communications systems are capable to communicate during and following heat waves and droughts. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: Ongoing*
2. Support activities that educate the public about the dangers of heat waves and droughts. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: Ongoing*
3. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: Ongoing*

Wildfire

1. Ensure communications systems are capable to communicate during and following wildfire events. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: Ongoing*
2. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety, City) *Status: Ongoing*
3. Support activities that educate the public about the dangers of wildfire. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office or the local fire department or the Florida Division of Forestry. *Status: ongoing*
4. Require new subdivisions plats and new commercial structures to designed and built to National Fire Codes (Responsible party: Okaloosa County Inspections Division, City) *Status: Ongoing*
5. Support public and private mitigation efforts to provide fire hydrants to locations at risk along the urban/rural interface where water systems exist to provide such services. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: Ongoing*

City of Mary Esther

The mitigation actions listed within this document were developed to maintain a level of safety provided to the City of Mary Esther, its residents, businesses, employees, and all property.

Hurricane and Tropical Storm

These actions are to be carried out and performed by the maintenance department, planning & zoning department, code enforcement, water department, and fire department. **These actions are an ongoing effort** to promote safety and lower and prevent the loss of property and life.

1. The city shall maintain a minimum roadway clearance time for hurricane evacuation of 12 hours on roads under local jurisdiction.
2. Immediate recovery actions needed to protect the public health and safety shall take priority in permitting decisions following hurricane storm events.
3. The city shall cooperate with Okaloosa County so as to manage and implement the "Peace Time Emergency Plan, Okaloosa County, Florida" and utilize the recommendations and guidance provided in the Tri-State Hurricane Evacuation Study, Appendix C, Transportation

Analysis, June 1986, by the U.S. Army Corps of Engineers, Mobile District. These plans are to be integrated into the Regional Hurricane Evacuation.

4. Following a damaging hurricane or any other disaster, and/or enactment of a building moratorium, it is the intent of the city to allow rebuilding and reconstruction in an orderly manner. The city will control the issuance of building permits to manage the location, timing and sequence of reconstruction and repair. It is further the intent of the post- disaster redevelopment plan that the city establish prior to the disaster event, a special reconstruction task force which will oversee the recovery and reconstruction process and serve as an advisory body to the city council. A main responsibility of this body will be to advise the city council on the policies of the plan which are structured to mitigate future hurricane damages through the management of reconstruction. To further the intent of this plan, the city will make every effort to develop its capacity to identify and orchestrate various post-disaster redevelopment, while at the same time ensuring maximum local control over the redevelopment process.
5. Support community outreach activities and events that educate the public about the hazards and dangers of tropical storms/hurricanes.
6. Support efforts to ensure that critical facilities are shuttered and protected to the best of the City's ability.
7. Ensure that all roadways, buildings, structures, and installations are designed and engineered for the amount of wind, surge, flooding, and debris that can be expected from a hurricane or tropical storm event.
8. Ensure that all communications systems are capable of sending and receiving communications before, during, and after hurricanes/tropical storms.
9. Ensure that all roadways in order from priority/major roads to non- priority/major roads are cleared for travel following a severe storm.
10. Ensure the public is informed of pending conditions and kept up to date on all developments.

Storm Surge

These actions are to be carried out and performed by the maintenance department, planning & zoning department and code enforcement. **These actions are an ongoing** effort to promote safety and lower and prevent the loss of property and life.

1. Promote public awareness of storm surge to include information prior, during, and after any conditions that may be of result.
2. Ensure all flood zone maps are accurate and up to date.
3. Ensure that all roadways, buildings, structures, and installations are designed and engineered for the amount of storm surge that can occur during hurricanes and tropical storms.
4. Support community outreach activities and events that educate the public about the hazards and dangers of storm surge.

Flooding

These actions are to be carried out and performed by the maintenance department, planning & zoning department and code enforcement. **These actions are an ongoing effort to promote safety and lower and prevent the loss of property and life.**

1. Ensure that all future buildings are built with a minimum finished floor height of one (1) foot above the established Base Flood Elevation for buildings located within the AE flood zones. *For NFIP compliance*
2. Support community outreach activities and events that educate the public about the hazards and dangers of flooding. *For NFIP compliance*
3. Provide the community with a Flood Insurance Rate Map. *For NFIP compliance*
4. Ensure that all roadways, buildings, structures, and installations are designed and engineered for the amount of flooding that may occur in the event of heavy rain, hurricanes and tropical storms. *For NFIP compliance*
5. Maintain status as a NFIP and CRS community.
6. Ensure the public is adequately informed of pending conditions. *For NFIP compliance*

Severe Storms

These actions are to be carried out and performed by the maintenance department, planning & zoning department, code enforcement, water department, and fire department. **These actions are an ongoing effort to promote safety and lower and prevent the loss of property and life.**

1. Promote public awareness of severe storms to include information prior, during, and after any conditions that may be of result.
2. Ensure that all roadways, buildings, structures, and installations are designed and engineered for the amount of wind, surge, flooding, and debris that can be expected from a severe storm, *For NFIP compliance*
3. Support efforts to ensure that critical facilities are shuttered and protected to the best of the city's ability.
4. Support community outreach activities and events that educate the public about the hazards and dangers of severe storms.
5. Ensure that all communications systems are capable of sending and receiving communications before, during, and after severe storms.
6. Ensure that all roadways in order from priority/major roads to non- priority/major roads are cleared for travel following a severe storm.

Tornado and Waterspout

These actions are to be carried out and performed by the maintenance department, planning & zoning department, code enforcement, water department, and fire department. **These actions are an ongoing effort to promote safety and lower and prevent the loss of property and life.**

1. Ensure that all communications systems are capable of sending and receiving communications before, during, and after a tornado and/or water spout.
2. Ensure that all roadways in order from priority/major roads to non-priority/major roads are cleared for travel following a tornado and/or water spout.

3. Support community outreach activities and events that educate the public about the hazards and dangers of tornadoes and water spouts.
4. Ensure the public is informed of pending conditions and kept up to date on all developments.

Thunderstorms and Lightning

These actions are to be carried out and performed by the maintenance department, planning & zoning department, code enforcement, water department, and fire department. **These actions are an ongoing effort** to promote safety and lower and prevent the loss of property and life.

1. Ensure that all communications systems are capable of sending and receiving communications before, during, and after a thunderstorm and/or lightning.
2. Ensure that all roadways in order from priority/major roads to non- priority/major roads are cleared for travel following a thunderstorm and/or lightning.
3. Support community outreach activities and events that educate the public about the hazards and dangers of thunderstorms and lightning.
4. Ensure the public is informed of pending conditions.

Winter Storms

These actions are to be carried out and performed by the maintenance department, planning & zoning department, code enforcement, water department, and fire department. **These actions are an ongoing effort** to promote safety and lower and prevent the loss of property and life.

1. Ensure that all communications systems are capable of sending and receiving communications before, during, and after a winter storm.
2. Ensure that all roadways in order from priority/major roads to non- priority/major roads are cleared for travel following a winter storm.
3. Support community outreach activities and events that educate the public about the hazards and dangers of a winter storm.
4. Ensure the public is informed of pending conditions.
5. Reduce the susceptibleness to freezing by providing a secondary heating and/or electrical system for public facilities.

Heat Wave and Drought

These actions are to be carried out and performed by the maintenance department, planning & zoning department, code enforcement, water department, and fire department. **These actions are an ongoing effort** to promote safety and lower and prevent the loss of property and life.

1. Ensure public facilities are capable of providing cooling systems.
2. Ensure the public is informed of pending conditions and kept up to date on all developments.
3. Support community outreach activities and events that educate the public about the hazards and dangers of a heat wave and/or drought.

Wildfire

These actions are to be carried out and performed by the maintenance department, planning & zoning department, code enforcement and fire department. **These actions are an ongoing effort** to promote safety and lower and prevent the loss of property and life.

1. Support community outreach activities and events that educate the public about the hazards and dangers of a wildfire.
2. Ensure that all communications systems are capable of sending and receiving communications before, during, and after a wildfire.
3. Ensure the public is informed of pending conditions and kept up to date on all developments.
4. Require new subdivisions plats and new commercial structures to be designed and built in accordance with National Fire Codes.
5. Support mitigation efforts that would prevent or lower the risks of wildfire.

Beach Erosion

These actions are to be carried out and performed by the maintenance department, planning & zoning department and code enforcement. **These actions are an ongoing effort** to promote safety and lower and prevent the loss of property and life.

1. Support community outreach activities and events that educate the public about the hazards and dangers of beach erosion.
2. Ensure compliance with the Florida Department of Environmental Protection (FDEP).
3. Ensure that all ordinances and/or codes are enforced pertaining to erosion.
4. Protect environmentally sensitive areas.
5. Support City projects to prevent or lower the risks of erosion.

City of Valparaiso

Hurricane and Tropical Storm

Mitigation of hurricane risks can be accomplished through public awareness and individual preparation, in combination with:

1. Zoning ordinances; *Status: on-going; City Administrator, Planning Commission, Commissioners*
2. Building codes; *Status: on-going; FBC, Building Official, City Administrator, Planning Commission, Commissioners*
3. Adequate warning systems; *Status: on-going; County EMS, Police, Fire, CATV*

The following mitigation actions are the responsibility of Okaloosa County and will be enforced in the City of Valparaiso:

1. Support efforts to shutter critical facilities. *Status: on-going; State, County, Commissioners, Public Works*
2. Ensure the public is informed of pending conditions. *Status: on-going; County EMS, CATV, City Departments*

3. Enforce Florida Building Codes for new structures. *Status: on-going; Building Official, City Administrator*
4. Ensure adequate equipment exists to remove debris, clear roads, perform search and rescue functions, and otherwise respond and recover from hurricane impacts. *Status: on-going; Contractural Services, Commissioners*
5. Ensure communications are wind and electrical-failure resistant to allow for 24/7 communications during the first 72 hours following a disaster. *Status: on-going; CATV, Police, Fire*
6. Ensure adequate and safe public risk shelters are available in all locations in the County to prevent homelessness, including adequate dining facilities and to maintain sanitary conditions. *Status: on-going; County*
7. Promote and support funding that allows for buildings to remain functional before, during and after a hurricane or tropical storm event in order to support the function of Okaloosa County Emergency Management's mandates. *Status: on-going; Commissioners*
8. Support protection of county infrastructure named in the Okaloosa County Comprehensive Emergency Management Plan and its Emergency Support Functions. *Status: on-going; County*
9. Promote public awareness of hurricane and tropical storm hazards. *Status: on-going; County EMS, Police, Fire, CATV*
10. Promote ways that private structure owners and landowners can mitigate using governmental or private sector investment. *Status: on-going; Building Official, City Administrator, City Engineer*
11. Ensure roads are designed and engineered for the amount of wind, surge, flooding and debris that can be expected from a hurricane or tropical storm event. *Status: on-going; City Engineer, FDOT*
12. Ensure communications systems are capable to communicate during and following hurricanes/tropical storms. Also to include the ability to erect temporary repeaters to restore communications. *Status: on-going; County EMS, Police, Fire, CATV*
13. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. *Status: on-going; CATV*
14. Support activities that educate the public about the dangers of hurricanes/tropical storms. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: on-going; County EMS, Police, Fire, CATV*

Storm Surge

The City of Valparaiso will adopt the mitigation actions for the overall county to address the hazards associated with storm surge:

1. Promote public awareness of storm surge. *Status: on-going; County EMS, Police, Fire, CATV*
2. Ensure the public is informed of pending conditions. *Status: on-going; County EMS, CATV, City Departments*
3. Ensure that maps accurately reflect the amount of storm surge, wave and flood action that can occur during hurricanes and tropical storms. *Status: on-going; FEMA, City Engineer, Flood Plain Manager*

4. Provide opportunities for property owners to elevate existing structures, move them to higher ground, or to have properties purchased by local governments in order to reduce overall community vulnerability to storm surge. *Status: on-going; FEMA, City Engineer, Flood Plain Manager, Commissioners*
5. Promote the continued purchase of lands that are at high risk of storm surge, with proper considerations of private property rights and constitutional requirements for just compensation, as appropriate. *Status: on-going; FEMA, City Engineer, Flood Plain Manager, Commissioners*
6. Ensure roads are designed and engineered for the amount of storm surge that can be expected. *Status: on-going; City Engineer, FDOT*
7. Support activities that educate the public about the dangers of storm surge. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: on-going; County EMS, Police, Fire, CATV*

Flooding

Mitigation of flood risks can be accomplished through public awareness and individual preparation, in combination with:

1. Zoning ordinances; *Status: on-going; City Administrator, Planning Commission, Commissioners; for NFIP compliance*
2. Building codes; *Status: on-going; FBC, Building Official, City Administrator, Planning Commission, Commissioners; for NFIP compliance*
3. Adequate warning systems; *Status: on-going; County EMS, Police, Fire, CATV; for NFIP compliance*
4. Flood proofing measures; *Status: on-going; FEMA, FBC, Building Official, City Administrator; for NFIP compliance*
5. Other comprehensive regulatory actions designed specifically for the reduction of flood damage; *Status: on-going; FEMA; for NFIP compliance*

Effective mitigation strategies are important to reduce the loss of life and property. Public sheltering capabilities along with flood control structures and restoration of services after a flood are also important elements of flood preparedness. The following mitigation actions are the responsibility of Okaloosa County and will be enforced in the City of Valparaiso:

1. Ensure all future buildings are constructed to the Florida Building Code. *Status: on-going; Building Official, City Administrator, City Engineer; for NFIP compliance*
2. Ensure all future buildings are built with a minimum finished floor height of 1' above the established Base Flood Elevation on the Flood Insurance Rate Maps for those buildings located within the AE Flood Zones. *Status: on-going; Building Official, City Administrator, City Engineer; for NFIP compliance*
3. Ensure all future buildings built within the V Flood Zones meet the minimum 1' freeboard requirement. *Status: on-going; Building Official, City Administrator, City Engineer; for NFIP compliance*

4. Ensure all future buildings are built with a minimum finished floor height of 5' above the highest adjacent grade for those buildings located within the un-numbered A Flood Zones. *Status: on-going; Building Official, City Administrator, City Engineer; for NFIP compliance*
5. Ensure all future buildings are built with a minimum finished floor height of 1' above the crown of the road, unless a variance is granted by the Public Works department. *Status: on-going; Building Official, City Administrator, City Engineer; for NFIP compliance*
6. Ensure roads are designed and engineered for the amount of flooding that can be expected. *Status: on-going; Building Official, City Administrator, City Engineer; for NFIP compliance*
7. Ensure that all flooding sources are documented and that the public are aware of the existence of such mapping services and products for planning purposes. *Status: on-going; Building Official, City Administrator, City Engineer; for NFIP compliance*
8. Promote the continued purchase of lands that are at high risk of flooding, with proper considerations of private property rights and constitutional requirements for just compensation, as appropriate. *Status: on-going; FEMA, Commissioners; for NFIP compliance*
9. Provide opportunities for property owners to elevate existing structures, move them to higher ground, or to have properties purchased by local governments in order to reduce overall community vulnerability to flooding. *Status: on-going; Planning Commission, Commissioners; for NFIP compliance*
10. Ensure that all public buildings that serve first response and critical emergency/public needs, including recording/data collection and communication centers/infrastructure, are located outside of flood zones or flood prone areas. *Status: on-going; Commissioners, City Clerk, Police, Fire, Public Works; for NFIP compliance*
11. Ensure communications systems are capable to communicate during and following flood events. *Status: on-going; Police, Fire, CATV*
12. Maintain status as a NFIP and CRS community by enforcing both the NFIP requirements and additional criteria that exceeds the NFIP for CRS compliance as a class 6 community. *Status: on-going; Flood Plain Manager, Commissioners*
13. Support efforts of the Institute of Food and Agricultural Services (IFAS/County Cooperative Extension Service) and the Natural Resources conservation Services (NRCS) as it relates to reduction and mitigation of flood hazards to crops and silvacultural operations. *Status: on-going; County*
14. Support activities that educate the public about the dangers of flooding. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: on-going; County EMS, Police, Fire, CATV; for NFIP compliance*
15. Ensure the public is informed of pending conditions. *Status: on-going; County EMS, Police, Fire, CATV; for NFIP compliance*

Land Erosion

The City of Valparaiso will adopt the mitigation actions for the overall county to address the hazards associated with land erosion:

1. Support efforts that protect natural plant systems, human plantings, special tilling methods and technologies, and other forms of vegetative erosion control. *Status: on-going; City Engineer, Public Works*

2. Require proposed temporary and permanent erosion and sediment control plans are submitted with each application for construction approval. *Status: on-going; City Engineer, Public Works*
3. Require no clearing, grading, excavating, filling, or other disturbance of the natural terrain shall occur until erosion and sedimentation control measures have been approved by Okaloosa County and installed and be maintained throughout the length of construction activity. *Status: on-going; City Engineer, Building Official, Public Works*
4. Sediment shall be retained on site. *Status: on-going; City Engineer, Building Official, Public Works*
5. Wetlands and other water bodies shall not be used as sediment traps during construction. *Status: on-going; City Engineer, Planning Commission, City Administrator, Building Official, PW*
6. Require land which has been cleared for construction and has not commenced shall be protected from erosion by appropriate techniques designed to re-vegetate the area. *Status: on-going; City Engineer, Building Official, Public Works*
7. Support efforts that allow public and private sector entities to gain control of problem erosion locations, gullies and rills that reduce unnatural sedimentation accumulation and cutting into natural hillsides and land, and to control coastal erosion where seawalls are necessary. *Status: on-going; City Engineer, Building Official, Public Works*
8. Support efforts that would allow for construction and infrastructure development to eliminate an existing erosion problem or to eliminate creation of such a problem. *Status: on-going; City Engineer, Building Official, Public Works*
9. Support efforts that help to eliminate or reduce coastal erosion due to boat/ship wake issues, while weighing the interests of the boating public. *Status: on-going; City Engineer, Building Official, Public Works*

Severe Storms

Mitigation of severe storms can be accomplished through public awareness and individual preparation, in combination with:

1. Zoning ordinances; *Status: on-going; City Administrator, Planning Commission, Commissioners*
2. Building codes; *Status: on-going; FBC, Building Official, City Administrator, Planning Commission, Commissioners*
3. Adequate warning systems; *Status: on-going; County EMS, Police, Fire, CATV*

Effective mitigation strategies are important to reduce the loss of life and property. Public sheltering capabilities along with flood control, debris removal and restoration of services after a severe thunderstorm are also important elements of thunderstorm preparedness. The following mitigation actions are the responsibility of Okaloosa County and will be enforced in the City of Valparaiso:

1. Ensure the public is informed of pending conditions. *Status: on-going; County EMS, Police, Fire, CATV*
2. Ensure communications systems are capable to communicate during and following severe storms. *Status: on-going; CATV, Police, Fire*

3. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. *Status: on-going; CATV*
4. Support activities that educate the public about the dangers of severe storms. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: on-going; County EMS, Police, Fire, CATV*

Tornado and Waterspout

Mitigation of severe thunderstorm risks can be accomplished through public awareness and individual preparation, in combination with:

1. Zoning ordinances; *Status: on-going; City Administrator, Planning Commission, Commissioners*
2. Building codes; *Status: on-going; FBC, Building Official, City Administrator, Planning Commission, Commissioners*
3. Adequate warning systems; *Status: on-going; County EMS, Police, Fire, CATV*

Effective mitigation strategies are important to reduce the loss of life and property. Public sheltering capabilities along with flood control, debris removal and restoration of services after a severe thunderstorm are also important elements of thunderstorm preparedness. The mitigation actions listed below are the responsibility of Okaloosa County and will be enforced in the City of Valparaiso:

1. Ensure communications systems are capable to communicate during and following tornados and waterspouts. *Status: on-going; County EMS, Police, Fire, CATV*
2. Support activities that educate the public about the dangers of tornados and waterspouts. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: on-going; County EMS, Police, Fire, CATV*
3. Support activities to reduce the risk of loss of electronic equipment and structures due to tornados and waterspouts. *Status: on-going; County EMS, Police, Fire, CATV*
4. Ensure the public is informed of pending conditions. *Status: on-going; County EMS, Police, Fire, CATV*
5. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. *Status: on-going; CATV*

Thunderstorms and Lightning

Severe thunderstorm preparation while at home:

1. Secure any loose, high profile and small objects outside before the storm hits. *Status: on-going; Citizens*
2. Stay inside during the thunderstorm. *Status: on-going; Citizens*
3. Try to protect vehicle from hail damage (such as placing vehicle in the garage) before storm hits. *Status: on-going; Citizens*
4. Unplug sensitive equipment such as computers and other electronic equipment. *Status: on-going; Citizens*
5. Stay off the telephone and electronic equipment (if needed use battery operated TV, radio and phone). *Status: on-going; Citizens*
6. Stay out of bath or shower. *Status: on-going; Citizens*

7. Keep a distance from windows. *Status: on-going; Citizens*
8. Be ready to take shelter in center of building on lowest floor crouched low to the ground. *Status: on-going; Citizens*
9. Listen to battery operated NOAA weather radio for updates. *Status: on-going; Citizens*

The following mitigation actions are the responsibility of Okaloosa County and will be enforced in the City of Valparaiso:

1. Ensure communications systems are capable to communicate during and following thunderstorms and lightning. *Status: on-going; County EMS, Police, Fire, CATV*
2. Support activities that educate the public about the dangers of thunderstorms and lightning. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: on-going; County EMS, Police, Fire, CATV*
3. Support activities to reduce the risk of loss of electronic equipment and structures due to lightning strike and electrical surge. *Status: on-going; County EMS, Police, Fire, CATV*
4. Ensure the public is informed of pending conditions. *Status: on-going; County EMS, Police, Fire, CATV*
5. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. *Status: on-going; CATV*

Winter Storms

The City of Valparaiso will adopt the mitigation actions for the overall county to address the hazards associated with winter storms:

1. Ensure communications systems are capable to communicate during and following winter storms. *Status: on-going; County EMS, Police, Fire, CATV*
2. Support activities that educate the public about the dangers of winter storms. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: on-going; County EMS, Police, Fire, CATV*
3. Ensure winter storm shelters are capable of providing heating systems. *Status: on-going; County*
4. Reduce or eliminate the vulnerability to freezing or provide secondary heating or electrical systems for public facilities. *Status: on-going; Police, Fire, CATV, Public Works*
5. Ensure the public is informed of pending conditions. *Status: on-going; Police, Fire, CATV, Public Works*

Heat Wave and Drought

Planning and preparedness for drought is primarily the responsibility of the local and county governments. The response to drought will require close coordination with local and county firefighting organizations to ensure that minimum water levels are maintained for fire suppression in the event that drought results in wildfire. Coordination of curtailment activities and public information concerning the drought should also be closely coordinated with other water users in the community. Drought mitigation depends heavily on:

1. Public education; *Status: on-going; City Administrator, Public Works, CATV, Library*

2. Individual preparedness; *Status: on-going; Citizens*
3. Careful monitoring of water supply sources by local governments, especially during times of low rainfall. *Status: on-going; Public Works*

The following mitigation actions will be enforced by Okaloosa County and will be enforced in the City of Valparaiso:

1. Ensure communications systems are capable to communicate during and following heat waves and droughts. *Status: on-going; County EMS, Police, Fire, CATV*
2. Support activities that educate the public about the dangers of heat waves and droughts. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: on-going; County EMS, Police, Fire, CATV*
3. Ensure host shelters are capable of providing cooling systems. *Status: on-going; County*
4. Ensure the public is informed of pending conditions. *Status: on-going; CATV, Police, Fire*

Wildfire

Wildfires can be mitigated through:

1. Monitoring of drought conditions and rainfall; *Status: on-going*
2. Implementing burn restrictions during times of low rain. *Status: on-going*
3. Structural fires may be prevented or controlled by ensuring that all residential, commercial, and public buildings are equipped with functioning fire detectors. Fire damage may also be mitigated by ensuring that all fire response equipment is functioning and that adequate, trained personnel are available. *Status: on-going*
4. Structural fires may be prevented or controlled by strict adherence to the Florida Building Code. *Status: on-going*

Regular fire drills should be performed in schools and other areas with special populations, to ensure that evacuation procedures are clearly understood. Likewise, in the case of a hazardous materials release during a fire, it is very important to educate residents about a Shelter in Place policy until it is safe to leave their homes.

The following mitigation actions are the responsibility of Okaloosa County and will be enforced in the City of Valparaiso:

1. Ensure communications systems are capable to communicate during and following wildfire events. *Status: on-going; Public Works, Fire*
2. Ensure the public is informed of pending conditions. *Status: on-going; Fire, Commissioners*
3. Support activities that educate the public about the dangers of wildfire. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office or the local fire department or the Florida Division of Forestry. *Status: on-going; Fire, Building Official*
4. Require new subdivisions plats and new commercial structures to designed and built to National Fire Codes. *Status: on-going; Fire, Building Official*
5. Support activities that newly document or update maps, aerial photography, or other remote sensing imagery that shows degrees of risk for wildfire and utilize such data to focus mitigation activities against wildfire. *Status: on-going; County EMS, Police, Fire, CATV*

6. Support efforts that fire stations and their supporting equipment and personnel are adequate in terms of size, modernization, communications, in order to respond to situations by mitigating situations that are below acceptable standards to fight wildfires throughout the County and to provide mutual aid support in neighboring jurisdictions or counties. *Status: on-going; County EMS, Police, Fire, CATV*
7. Support public and private mitigation efforts to provide fire hydrants to locations at risk along the urban/rural interface where water systems exist to provide such services. *Status: on-going; Police, Fire, CATV, Public Works, City Administrator, Library*
8. Support mitigation efforts that would identify public measures that would help agricultural, forestry and silvacultural prevent or lessen the risk of wildfires. *Status: on-going; City Engineer, Planning Commission, City Administrator, Commissioners*

Beach Erosion

The City of Valparaiso will adopt the mitigation actions for the overall county to address the hazards associated with beach erosion:

1. Ensure compliance with the Florida Department of Environmental Protection (FDEP) Coastal Construction Control Line (CCCL) regulations that require location of construction a sufficient distance landward of the beach to permit natural shoreline fluctuations and to preserve dune stability. Construction may occur to the extent that the natural storm buffering and protection capability of the dunes is not diminished. *Status: on-going; City Engineer, City Administrator, Building Official*
2. The County will encourage activities that protect and rebuild coastal dunes. This will be accomplished by continuing, or supporting the continuation of, activities by private and public agencies for dune restoration purposes, installation of sand fences on public and private properties, and enforcing restrictions regarding the destruction of sea oats and requiring the planting of sea oats by new development in coastal areas. All activities will be coordinated with the Guiding Principles of the Local Mitigation Strategy. *Status: on-going; County*
3. Cooperate with the U.S. Army Corps of Engineers and the Florida Department of Environmental Protection to re-nourish public beaches using white sand made available by maintenance dredging of Choctawhatchee Bay, Santa Rosa Sound, or other water bodies within or near Okaloosa County. *Status: on-going; City Engineer, City Administrator, Public Works*
4. With respect to acquisition, the County, where feasible, shall protect environmentally sensitive coastal areas unduly threatened by development, through acquisition, establishment of public or private conservation easements, purchase of development rights, or through other available means as deemed appropriate. *Status: on-going; County, Commissioners*
5. The County will encourage existing development and require new development to plant or replant native vegetation where appropriate, including seagrass beds and other types of shoreline, aquatic and upland vegetation. *Status: on-going; Commissioners*
6. Coordinate with the following existing resource protection plans: Choctawhatchee River and Bay S.W.I.M. Plan, Pensacola Bay S.W.I.M. Plan, FDEP Ecosystem Management Plan, West

Florida Strategic Regional Policy Plan, Rocky Bayou Aquatic Preserve Management Plan, and the Northwest Florida Resource Management Plan, and the Local Mitigation Strategy. *Status: on-going; County*

7. Shoreline armoring should be discouraged in favor of alternative methods of enhancing shoreline stability that minimize erosion and allow for the growth of emergent shoreline grasses. *Status: on-going; City Engineer, Planning Commission, Public Works, City Administrator*
8. New structures, other than dune walkovers, and structures needed to accommodate conservation and passive recreation uses, are prohibited within the portion of the Coastal High Hazard Area lying within the FEMA V Zone, unless all Department of Environmental Protection Coastal Construction Control Standards and FEMA Special Hazard Area Minimum Construction Requirements are met. *Status: on-going; FEMA, Building Official, City Engineer*
9. Enforce rigorous development standards consistent with the County's NFIP and the CRS program for flood hazard reduction including: location of buildings landward of the reach of the mean high tide; requirement to elevate structures one (1) foot above base flood elevation as specified on F.E.M.A. maps; anchoring standards to resist flotation, collapse, and lateral movement; prohibiting fill used as structural support in V zones, and; prohibiting alteration of sand dunes which would increase potential flood damage. *Status: on-going; FEMA, Flood Plain Manager, Building Official, City Engineer*
10. Public funds shall be expended in the coastal high hazard area only for development that: complies with land use densities/intensities adopted in the comprehensive plan; produces no adverse affects to the surrounding land uses or the environment without approved mitigation plans, and/or; furthers opening up the waterfront to public access. *Status: on-going; Commissioners*
11. Shoreline development must comply with performance standards that address lot coverage, vegetated buffers, stormwater management, and erosion and sedimentation controls. *Status: on-going; Building Official, City Administrator*

Town of Cinco Bayou

Hurricane and Tropical Storm

1. Support efforts to shutter critical facilities.
2. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: ongoing*
3. Enforce Florida Building Codes for new structures. (Florida Building Codes) *Status: ongoing*
4. Ensure communications are wind and electrical-failure resistant to allow for 24/7 communications during the first 72 hours flowing a disaster. (Responsible party: Okaloosa County Public Safety) *Status: ongoing*
5. Ensure adequate and safe public risk shelters are available in all location in the County to prevent homelessness, including adequate dining facilities and to maintain sanitary conditions. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: ongoing*
6. Promote and support funding that allows for buildings to remain functional before, during and after a hurricane or tropical storm event in order to support the function of Okaloosa

- County Emergency Management’s mandates. (Responsible party: Okaloosa County Public Safety) *Status: ongoing*
7. Promote public awareness of hurricane and tropical storm hazards. (Responsible party: Okaloosa County Public Safety) *Status: ongoing*
 8. Promote ways that private structure owners and landowners can mitigate using governmental or private sector investment. (Responsible party: Growth Management) *Status: ongoing*
 9. Ensure communications systems are capable to communicate during and following hurricanes/tropical storms. Also to include the ability to erect temporary repeaters to restore communications. (Responsible party: Okaloosa County Public Safety) *Status: ongoing*
 10. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: ongoing*
 11. Support activities that educate the public about the dangers of hurricanes/tropical storms. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Okaloosa County Public Safety) *Status: ongoing*

Storm Surge

1. Promote public awareness of storm surge. (Responsible party: Okaloosa County Public Safety, Growth Management) *Status: ongoing*
2. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: ongoing*
3. Ensure that maps accurately reflect the amount of storm surge, wave and flood action that can occur during hurricanes and tropical storms. (Responsible party: Growth Management) *Status: ongoing*
4. Provide opportunities for property owners to elevate existing structures, move them to higher ground, or to have properties purchased by local governments in order to reduce overall community vulnerability to storm surge. (Responsible party: Growth Management)
5. Support activities that educate the public about the dangers of storm surge. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Okaloosa County Public Safety)

Flooding

1. Ensure all future buildings are constructed to the Florida Building Code. (Land Development Code) *for NFIP Compliance Status: ongoing*
2. Ensure all future buildings are built with a minimum finished floor height of 1’ above the established Base Flood Elevation on the Flood Insurance Rate Maps for those buildings located within the AE Flood Zones. (Land Development Code, NFIP) *for NFIP Compliance Status: ongoing*
3. Ensure all future buildings built within the V Flood Zones meet the minimum 1’ freeboard requirement. (Land Development Code, NFIP) *for NFIP Compliance Status: ongoing*
4. Promote the continued purchase of lands that are at high risk of flooding, with proper considerations of private property rights and constitutional requirements for just compensation, as appropriate. (FEMA) *for NFIP Compliance Status: ongoing*
5. Provide opportunities for property owners to elevate existing structures, move them to higher ground, or to have properties purchased by local governments in order to reduce

overall community vulnerability to flooding. (Land Development Code, FEMA) *for NFIP Compliance Status: ongoing*

6. Ensure that all public buildings that serve first response and critical emergency/public needs, including recording/data collection and communication centers/infrastructure, are located outside of flood zones or flood prone areas. (FEMA, Land Development Code) *for NFIP Compliance Status: ongoing*
7. Ensure communications systems are capable to communicate during and following flood events. (County Public Safety, private businesses) *Status: ongoing*
8. Maintain status as a NFIP community by enforcing both the NFIP requirements and additional criteria that exceeds the NFIP. (Land Development Code, FEMA) *Status: ongoing*
9. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *for NFIP Compliance Status: ongoing*

Severe Storms

1. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: ongoing*
2. Ensure communications systems are capable to communicate during and following severe storms. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: ongoing*
3. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. (Responsible party: Okaloosa County Public Safety) *Status: ongoing*
4. Support activities that educate the public about the dangers of severe storms. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Okaloosa County Public Safety) *Status: ongoing*

Tornado and Waterspout

1. Ensure communications systems are capable to communicate during and following tornados and waterspouts. (Responsible party: Okaloosa County Public Safety, Private Businesses) *Status: ongoing*
2. Support activities that educate the public about the dangers of tornados and waterspouts. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Okaloosa County Public Safety) *Status: ongoing*
3. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: ongoing*
4. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: ongoing*

Thunderstorms and Lightning

1. Ensure communications systems are capable to communicate during and following thunderstorms and lightning. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: ongoing*

2. Support activities that educate the public about the dangers of thunderstorms and lightning. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (Responsible party: Okaloosa County Public Safety) *Status: ongoing*
3. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: ongoing*
4. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: ongoing*

Winter Storms

1. Ensure communications systems are capable to communicate during and following winter storms. (Responsible party: Okaloosa County Public Safety, private businesses) *Status: ongoing*
2. Support activities that educate the public about the dangers of winter storms. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: ongoing*
3. Reduce or eliminate the vulnerability to freezing or provide secondary heating or electrical systems for public facilities. (Responsible party: City Departments) *Status: ongoing*
4. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: ongoing*

Heat Wave and Drought

1. Ensure communications systems are capable to communicate during and following heat waves and droughts. (Responsible party: Okaloosa County Public Safety and private businesses) *Status: ongoing*
2. Support activities that educate the public about the dangers of heat waves and droughts. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. *Status: ongoing*
3. Ensure the public is informed of pending conditions. (Responsible party: Okaloosa County Public Safety) *Status: ongoing*

Beach Erosion

5. Beach management actions that address eroding shoreline include these options: (1) hard stabilization, such as seawalls and revetments; (2) soft stabilization, such as beach restoration; (3) retreat, such as abandonment of shoreline development or relocation of threatened buildings; and (4) no action. The long-term beach behavior and its causes usually dictate the appropriate options. (Responsible party: Various agencies) *Status: ongoing*

Town of Shalimar

Hurricane and Tropical Storm

1. Ensure the public is informed of pending conditions. (Responsible party: Shalimar Police and Okaloosa County) *Status: ongoing*

2. Enforce Florida Building Codes for new structures. (Florida Building Codes) *Status: ongoing*
3. Ensure compliance with Town of Shalimar Hurricane Emergency Management Plan. (Responsible party: Shalimar Police, Maintenance, Administration) *Status: ongoing*
4. Promote and support funding that allows for the Town Hall/Police building to remain functional before, during and after a hurricane or tropical storm event in order to support the function of Shalimar and Okaloosa County Emergency Management.(Responsible party: Shalimar Police and Administration) *Status: ongoing*
5. Promote public awareness of hurricane and tropical storm hazards. (CRS Outreach)
6. Promote ways that private structure owners and landowners can mitigate using governmental or private sector investment. (Responsible party: City, County via CRS, Florida Building Codes) *Status: ongoing*
7. Ensure roads are designed and engineered for the amount of wind, surge, flooding and debris that can be expected from a hurricane or tropical storm event. (Responsible party: Public Works) *Status: ongoing*
8. Ensure communications systems are capable to communicate during and following hurricanes/tropical storms. (Responsible party: Shalimar Police) *Status: ongoing*

Storm Surge

1. Promote public awareness of storm surge. (CRS Outreach, FEMA Flood Outreach) (Responsible party: City, County) *Status: ongoing*
2. Ensure the public is informed of pending conditions. (Responsible party: Shalimar Police and Okaloosa County) *Status: ongoing*
3. Ensure that maps accurately reflect the amount of storm surge, wave and flood action that can occur during hurricanes and tropical storms. (Responsible party: Okaloosa GIS, FEMA Flood Outreach) *Status: ongoing*
4. Promote evacuation directives received from Okaloosa County. (Responsible party: Shalimar Police) *Status: ongoing*

Flooding

1. Ensure all future buildings are constructed to the Florida Building Code. (Land Development Code) *for NFIP Compliance Status: ongoing*
2. Ensure all future buildings are built with a minimum finished floor height of 1' above the established Base Flood Elevation on the Flood Insurance Rate Maps for those buildings located within the AE Flood Zones. (Land Development Code) *for NFIP Compliance Status: ongoing*
3. Ensure all future buildings built within the V Flood Zones meet the minimum 1' freeboard requirement. (Land Development Code) *for NFIP Compliance Status: ongoing*
4. Ensure all future buildings are built with a minimum finished floor height of 1' above the crown of the road, unless a variance is granted by the Public Works Department. (Land Development Code) *for NFIP Compliance Status: ongoing*
5. Ensure that all flooding sources are documented and that the public is aware of the existence of such mapping services and products for planning purposes. (CRS Outreach, Okaloosa county GIS) *for NFIP Compliance Status: ongoing*
6. Ensure that all public buildings that serve first response and critical emergency/public needs, including recording/data collection and communication centers/infrastructure, are located outside of flood zones or flood prone areas. (FEMA, CRS, Land Development Code) *for NFIP Compliance Status: ongoing*

7. Ensure communications systems are capable to communicate during and following flood events. (Responsible party: Shalimar Police, Administration) *Status: ongoing*
8. Maintain status as a NFIP and CRS community by enforcing both the NFIP requirements and additional criteria that exceeds the NFIP for CRS compliance as a class 8 community.(Land Development Code, FEMA) *Status: ongoing*
9. Support activities that educate the public about the dangers of flooding. Such activities should be coordinated with the County Public Safety Department, Emergency Management Office. (CRS Outreach) *for NFIP Compliance Status: ongoing*
10. Ensure the public is informed of pending conditions. (Responsible party: Shalimar Police, Okaloosa county) *for NFIP Compliance Status: ongoing*

Severe Storms

1. Ensure the public is informed of pending conditions. (Responsible party: Shalimar Police, Okaloosa County) *Status: ongoing*
2. Ensure communications systems are capable to communicate during and following severe storms. (Responsible party: Shalimar Police) *Status: ongoing*
3. Support activities that educate the public about the dangers of severe storms. (Okaloosa County Outreach) *Status: ongoing*

Tornado and Waterspout

1. Ensure communications systems are capable to communicate during and following tornados and waterspouts. (Responsible party: Shalimar Police) *Status: ongoing*
2. Support activities that educate the public about the dangers of tornados and waterspouts. (FEMA Outreach, Okaloosa County) *Status: ongoing*
3. Support activities to reduce the risk of losing electronic equipment and structures due to tornados and waterspouts. (Responsible party: Shalimar police, Administration) *Status: ongoing*
4. Ensure the public is informed of pending conditions. (Responsible party: Shalimar Police) *Status: ongoing*
5. Develop Emergency Siren System to inform public of eminent tornado/waterspout or straight-line wind conditions. (Responsible party: Shalimar Police) *Status: ongoing*

Thunderstorms and Lightning

1. Ensure communications systems are capable to communicate during and following intense thunderstorms. (Responsible party: Shalimar Police) *Status: ongoing*
2. Support activities that educate the public about the dangers of thunderstorms. (FEMA Outreach, Okaloosa County) *Status: ongoing*
3. Support activities to reduce the risk of losing electronic equipment due to lightning. (Responsible party: Shalimar police, Administration) *Status: ongoing*
4. Ensure the public is informed of pending conditions. (Responsible party: Shalimar Police) *Status: ongoing*

Winter Storms

1. Ensure communications systems are capable to communicate during and following winter storms. (Responsible party: Shalimar Police) *Status: ongoing*

2. Ensure winter storm shelters are capable of providing heating systems. (Responsible party: Okaloosa County) *Status: ongoing*
3. Reduce or eliminate the vulnerability to freezing weather in the Town Hall/Police department. (Responsible party: Shalimar Police, Administration, Maintenance) *Status: ongoing*
4. Ensure the public is informed of pending conditions. (Responsible party: Shalimar Police, Okaloosa County) *Status: ongoing*

Heat Wave and Drought

1. Ensure communications systems are capable to communicate during and following heat waves and droughts. (Responsible party: Shalimar Police) *Status: ongoing*
2. Ensure host shelters are capable of providing cooling systems. (Responsible party: Okaloosa County) *Status: ongoing*
3. Ensure the public is informed of pending conditions. Responsible party: (Shalimar Police, Okaloosa County) *Status: ongoing*

Beach Erosion

1. Beach management actions that address eroding shoreline include these options: (1) hard stabilization, such as seawalls and revetments; (2) soft stabilization, such as beach restoration; (3) retreat, such as abandonment of shoreline development or relocation of threatened buildings; and (4) no action. The long-term beach behavior and its causes usually dictate the appropriate options. (Responsible party: various agencies) *Status: ongoing*

City of Niceville

Hurricane and Tropical Storm

1. Ensure the public is informed of pending conditions. *Status: ongoing; Okaloosa County Public Safety and City of Niceville Public Works*
2. Enforce Florida Building Codes for new structures. *Status: ongoing; Florida Building Codes, Building Official*
3. Ensure adequate equipment exists to remove debris, clear roads, perform search and rescue functions, and otherwise respond and recover from hurricane impacts. *Status: ongoing; Public Works*
4. Ensure communications are wind and electrical-failure resistant to allow for 24/7 communications during the first 72 hours following a disaster. *Status: ongoing; City of Niceville Public Works, City of Niceville Information Systems, Okaloosa County Public Safety and Private entities*
5. Promote public awareness of hurricane and tropical storm hazards. *Status: ongoing; Okaloosa County Public Safety and City of Niceville Public Works*
6. Ensure roads are designed and engineered for the amount of wind, surge, flooding and debris that can be expected from a hurricane or tropical storm event. *Status: ongoing; Public Works*
7. Ensure communications systems are capable to communicate during and following hurricanes/tropical storms. *Status: ongoing; Okaloosa County Public Safety, City of Niceville Information Systems, State of Florida, FEMA, City of Niceville Public Works and Private entities*

8. Ensure internet systems are redundant to ensure continued availability of disaster management software. *Status: ongoing; City of Niceville Information Systems, State of Florida, FEMA and Private entities*
9. Support activities that educate the public about the dangers of hurricanes/tropical storms. *Status: ongoing; Okaloosa County Public Safety and City of Niceville Public Works*

Storm Surge

1. Promote public awareness of storm surge. *Status: ongoing; City of Niceville Public Works and Okaloosa County Public Safety*
2. Ensure the public is informed of pending conditions. *Status: ongoing; City of Niceville Public Works and Okaloosa County Public Safety*
3. Ensure that maps accurately reflect the amount of storm surge, wave and flood action that can occur during hurricanes and tropical storms. *Status: ongoing; City of Niceville Information Systems and Okaloosa County GIS*
4. Ensure roads are designed and engineered for the amount of storm surge that can be expected. *Status: ongoing; City of Niceville Public Works*
5. Support activities that educate the public about the dangers of storm surge. *Status: ongoing; Okaloosa county Public Safety and City of Niceville Public Works*

Flooding

1. Ensure all future buildings are constructed to the Florida Building Code. *Status: ongoing; Florida Building Codes, Building Official; for NFIP compliance*
2. Ensure all future buildings are built with a minimum finished floor height of 1' above the established Base Flood Elevation on the Flood Insurance Rate Maps for those buildings located within the AE Flood Zones. *Status: ongoing; Flood Damage Prevention Ordinance, Building Official; for NFIP compliance*
3. Ensure all future buildings built within the V Flood Zones meet the minimum 1' freeboard requirement. *Status: ongoing; Flood Damage Prevention Ordinance, Building Official; for NFIP compliance*
4. Ensure all future buildings are built with a minimum finished floor height of 3' above the highest adjacent grade for those buildings located within the un-numbered A Flood Zones. *Status: ongoing; Flood Damage Prevention Ordinance, and Building Official; for NFIP compliance*
5. Ensure roads are designed and engineered for the amount of flooding that can be expected. *Status: ongoing; Public Works; for NFIP compliance*
6. Ensure that all public buildings that serve first response and critical emergency/public needs, including recording/data collection and communication centers/infrastructure, are located outside of flood zones or flood prone areas. *Status: ongoing; FEMA, CRS, and Flood Damage Prevention Ordinance; for NFIP compliance*
7. Ensure communications systems are capable to communicate during and following flood events. *Status: ongoing; Public Works and Information Systems*
8. Maintain status as a NFIP and CRS community by enforcing both the NFIP requirements and additional criteria that exceeds the NFIP for CRS compliance as a class 7 community. *Status: ongoing; Building Official and FEMA*
9. Support activities that educate the public about the dangers of flooding. *Status: ongoing; City of Niceville CRS Flood mail out and Okaloosa County Public Safety; for NFIP compliance*
10. Ensure the public is informed of pending conditions. *Status: ongoing; City of Niceville Public Works and Okaloosa County Public Safety; for NFIP compliance*

Land Erosion

1. Support efforts that protect natural plant systems, human plantings, special tilling methods and technologies, and other forms of vegetative erosion control. *Status: ongoing; Land Development Code*
2. Require proposed temporary and permanent erosion and sediment control plans are submitted with each application for construction approval. *Status: ongoing; Land Development Code, Public Works, Building Official, State of Florida Department of Environmental Protection, and Northwest Florida Water Management District*
3. Require no clearing, grading, excavating, filling, or other disturbance of the natural terrain shall occur until erosion and sedimentation control measures have been approved by City of Niceville and installed and be maintained throughout the length of construction activity. *Status: ongoing; Land Development Code, Public Works, and Building Official*
4. Sediment shall be retained on site. *Status: ongoing; Land Development Code, Public Works and State of Florida*
5. Wetlands and other waterbodies shall not be used as sediment traps during construction. *Status: ongoing; Land Development Code, Public Works and state of Florida*
6. Require land which has been cleared for construction and has not commenced shall be protected from erosion by appropriate techniques designed to re-vegetate the area. *Status: ongoing; Land Development Code, Public Works, and Building Official*
7. Support efforts that allow public and private sector entities to gain control of problem erosion locations, gullies and rills that reduce unnatural sedimentation accumulation and cutting into natural hillsides and land, and to control coastal erosion where seawalls are necessary. *Status: ongoing; Land Development Code, **Natural Resources Conservation Service**, State of Florida Department of Environmental Protection, and ACE*
8. Support efforts that help to eliminate or reduce coastal erosion due to boat/ship wake issues, while weighing the interests of the boating public. *Status: ongoing; United States Coast Guard*

Severe Storms

1. Ensure the public is informed of pending conditions. *Status: ongoing; City of Niceville Public Works and Okaloosa County Public Safety*
2. Ensure communications systems are capable to communicate during and following severe storms. *Status: ongoing; City of Niceville Public Works, City of Niceville Information Systems, Okaloosa County Public Safety, State of Florida, FEMA, and Private entities*
3. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the City of Niceville. *Status: ongoing; City of Niceville Information Systems, Okaloosa County Public Safety, State of Florida, FEMA and Private entities*
4. Support activities that educate the public about the dangers of severe storms. *Status: ongoing; City of Niceville Public Works and Okaloosa County Public Safety*

Tornado and Waterspout

1. Ensure communications systems are capable to communicate during and following tornados and waterspouts. *Status: ongoing; City of Niceville Public Works, City of Niceville Information Systems, Okaloosa County Public Safety, State of Florida, FEMA and Private entities*

2. Support activities that educate the public about the dangers of tornados and waterspouts. *Status: ongoing; City of Niceville Public Works and Okaloosa County Public Safety*
3. Support activities to reduce the risk of loss of electronic equipment and structures due to tornados and waterspouts. *Status: ongoing; Information Systems and Building Official*
4. Ensure the public is informed of pending conditions. *Status: ongoing; City of Niceville Public Works and Okaloosa County Public Safety*
5. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. *Status: ongoing; City of Niceville Information Systems, Okaloosa County Public Safety, State of Florida, FEMA, and Private entities*

Thunderstorms and Lightning

1. Ensure communications systems are capable to communicate during and following thunderstorms and lightning. *Status: ongoing; City of Niceville Public Works, City of Niceville Information Systems, Okaloosa County Public Safety, State of Florida, FEMA, and Private entities*
2. Support activities that educate the public about the dangers of thunderstorms and lightning. *Status: ongoing; City of Niceville Public Works and Okaloosa County Public Safety*
3. Support activities to reduce the risk of loss of electronic equipment and structures due to lightning strike and electrical surge. *Status: ongoing; Information Systems and Private entities*
4. Ensure the public is informed of pending conditions. *Status: ongoing; City of Niceville Public Works and Okaloosa County Public Safety*
5. Ensure internet systems are redundant to ensure continued availability of disaster management software throughout the county. *Status: ongoing; City of Niceville Information Systems, Okaloosa County Public Safety, State of Florida, FEMA, and Private entities*

Winter Storms

1. Ensure communications systems are capable to communicate during and following winter storms. *Status: ongoing; City of Niceville Public Works, City of Niceville Information Systems, Okaloosa County Public Safety, State of Florida, FEMA and Private entities.*
2. Support activities that educate the public about the dangers of winter storms. *Status: ongoing; City of Niceville Public Works and Okaloosa County Public Safety*
3. Reduce or eliminate the vulnerability to freezing or provide secondary heating or electrical systems for public facilities. *Status Ongoing; Public Works*
4. Ensure the public is informed of pending conditions. *Status: ongoing; City of Niceville Public Works and Okaloosa County Public Safety*

Heat Wave and Drought

1. Ensure communications systems are capable to communicate during and following heat waves and droughts. *Status: ongoing; city of Niceville Public Works, City of Niceville Information Systems, Okaloosa County Public Safety, State of Florida, FEMA and Private entities*
2. Support activities that educate the public about the dangers of heat waves and droughts. *Status: ongoing; City of Niceville Public Works and Okaloosa County Public Safety*
3. Ensure the public is informed of pending conditions. *Status: ongoing; City of Niceville Public Works and Okaloosa County Public Safety*

Wildfire

1. Ensure communications systems are capable to communicate during and following wildfire events. *Status: ongoing; City of Niceville Public Works, City of Niceville Information Systems, Okaloosa County Public Safety, state of Florida, FEMA, and Private entities*
2. Ensure the public is informed of pending conditions. *Status: ongoing; City of Niceville Public Works and Okaloosa County Public Safety*
3. Support activities that educate the public about the dangers of wildfire. *Status: ongoing; Okaloosa County Public Safety and State of Florida Department of Agriculture, Division of Forestry*
4. Require new subdivisions plats and new commercial structures to be designed and built to National Fire Codes. *Status: ongoing; Building Official, Public Safety*

Beach Erosion

Beach management actions that address eroding shoreline include these options: (1) hard stabilization, such as seawalls and revetments; (2) soft stabilization, such as beach restoration; (3) retreat, such as abandonment of shoreline development or relocation of threatened buildings; and (4) no action. The long-term beach behavior and its causes usually dictate the appropriate options. *Status: ongoing; Public Works*

2011 LMS Projects (FIA-15/2007 Criteria 3)

Attachment A is the current (updated August 2011) list of LMS projects as approved by the LMS Committee. This list also provides the **status** of each project, and states the reason (typically lack of funds) for any projects for which action has been deferred.

Recommendations for New projects or Revised Recommendations (FIA-15/2007 Criteria 5)

The LMS project list was last updated by the LMS Committee during its regular meeting of August 10, 2011 to add and prioritize three projects requested by the City of Valparaiso (see projects 11, 17, and 48). At the time of this writing, there are no new projects contemplated. Because the 2011 LMS has only been fully in effect for a little over one month, there are no recommended revisions at this time.