



Town of Southern Shores

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MEMO

Date: September 23, 2008

From: Alvin Rountree, Code Enforcement Administrator

To: Charles B. Read, Jr., Town Manager

Copy: Nancy Wendt, Planning Board Chairman

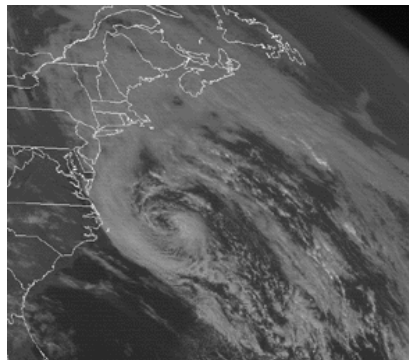
Subject: **Hazard Mitigation Plan** adopted February 15, 2005, Updated, September 2008,
2008 Annual Evaluation Report

The Committee reviewed and updated the plan to incorporate the new F.I.R.M maps and state building codes. Attached are the proposed revised Hazard Mitigation Plan for Council's approval and Annual Evaluation Report for Town Council.



Town of Southern Shores Hazard Mitigation Plan Annual Evaluation Report

2008



Prepared by

Alvin Rountree
Code Enforcement Administrator

Hazard Mitigation Plan Committee

2008 Annual Evaluation Report to Town Council

Executive Summary:

The Town of Southern Shores Hazard Mitigation Plan was prepared to meet the requirements of the federal government's Stafford Act as amended by the Federal Disaster Mitigation Act of 2000 (DMA2K) and North Carolina Senate Bill 300. The mission of the Hazard Mitigation Plan is to promote sound public policy designed to protect citizens, critical facilities, infrastructure, private property, and the environment from natural hazards. This can be achieved by increasing public awareness, documenting the resources for risk reduction and loss prevention, and identifying activities to guide the town towards building a safer, more sustainable community. Annually, the Committee must prepare an evaluation report for Town Council.

The Committee structure is based on the positions established in the Reconstruction Task Force as set forth in the Town Code, Chapter 12, Emergency Management and provides good representation of community interests as shown below:

**Committee Members
(aka) Reconstruction Task Force
Town Code, Chapter 12
Emergency Management (Section 12-32)**

- Elected Officials (2)
- Town Manager
- Planning Board Members (2)
- Board of Adjustment Member (1)
- SSCA representative
- CPOA representative
- Building Inspector
- Police Chief or rep
- Fire Chief or rep
- Representative from either the realty or construction community (1)*
 - *We have asked for 1 rep from each industry

Current Hazard Mitigation Plan Committee Members:

- Alvin Rountree, Chairman
- Dan Shields
- Jim Pfizenmayer
- Kevin Stroud
- George Kowalski
- Bob Palombo
- Mike Florez
- Frans Koeleveld
- David Kole
- Karl Daniels
- Bob Harvey
- Richard Perkins
- Elizabeth Cubler
- David Cowan
- Charles Read
- Pat Forrester

The Committee revised the plan to reflect changes to the F.I.R.M maps and state building codes.

Progress Report

A matrix showing the overview of activities and responsible positions with explanatory footnotes precedes the Annual Progress report. Detailed descriptions of Activities, Goals and Actions are presented in the Progress Report.

ACTIVITIES, GOALS & ACTIONS

ACTIVITIES	CODE ENFORCE	PLANNING BOARD	FIRE CHIEF	RECONST TASK	TOWN COUNCIL	TOWN CLERK
PREVENTIVE	4	1 ^a	4			
PROPERTY PROTECTION	5 ^j					
NATURAL RESOURCE	3	1 ⁱ				
RECONSTRUCTION				3 ^b		
LIFE AND SAFETY				2 ^c	1 ^d	
EMERGENCY SERVICES				1 ^e	2 ^f	
PUBLIC INFORMATION	3 ^g					1 ^h

Activities

Footnotes to table:

- a. **Stormwater management regulations**
- b. **Develop guidelines for reconstruction efforts**
- c. **Develop a system of evacuation of old and/or disabled citizens**
- d. **Lobby NCDOT to proceed with plans for the Mid-Currituck Bridge (“Build the Bridge”)**
- e. **Encourage food stores & pharmacies with town to have alternative power supplies**
- f. **Continue to provide Emergency Operations Center (EOC) & Master Emergency Operations Plan**
- g. **Install Base Flood Elevation (BFE) markers**
- h. **Website and Broadcast email services**
- i. **Enforcement of CAMA regulations**
- j. **Participate in NFIP Community Rating System (CRS)**

STATUS REPORT DATE – 9/23/08
ANNUAL REPORT FOR CRS RECERTIFICATION PURPOSES

Southern Shores Hazard Mitigation: ACTIVITIES, GOALS AND ACTIONS

Southern Shores Hazard Mitigation Plan

1. PREVENTIVE ACTIVITIES

GOAL: INCREASE FLOOD AWARENESS

The Town of Southern Shores has a number of preventive activities in place that affect floodplain management and will continue these activities. The Town has a Zoning Ordinance, a Flood Damage Prevention Ordinance, open space preservation, stormwater management, and conducts a drainage system maintenance program.

Action: Continue enforcement of the zoning ordinance as a hazard mitigation tool

Responsible Person: Code Enforcement Administration

Deadline: ongoing

Funding: General operating budget

Prioritization: High

The Zoning Ordinance contains provisions for low density zoning. Approximately 98% of the oceanfront lots are zoned RS-1, low-density residential zoning. The ordinance also contains provisions for minimum lot coverage. The Town has restrictive development regulations that include building setback lines and a low density zoning area in the form of a golf course.

STATUS: Zoning ordinance has been reviewed for compliance with recent changes in State Law and amendments have been adopted. Comprehensive Land Use Plan update should be approved in 2009.

Action: Identify “at risk” X Zone properties for added emphasis on flood risks and notify the responsible agencies about discrepancies between floodplain maps (FIRM versus SLOSH).

Responsible Person: Code Enforcement Officer

Deadline: Ongoing (revised FIRM 9/20/2006)

Funding: General operating budget

Prioritization: High

In the southeast corner of the town’s jurisdiction, there is an area that lies outside the 100-year floodplain, as established by the FIRM, but is predicted by the S.L.O.S.H. models to be inundated during Category 3 storm events. This action step proposes to pursue whether or not to add these properties to the locally adopted flood map and settle this discrepancy.

STATUS: A revised FIRM became effective 9/20/06 that changes an AO (1’ depth) to an AE (9) immediately to the west of a widened VE (12) zone on the oceanfront. Elevation data from LIDAR was used to create the new SFHA and is considered more accurate and less arbitrary than the previous “gutter line” alignment on NC 12 (Ocean Blvd / Duck Rd). However, the FIRM still represents a 1% storm event that does not coincide with the SLOSH models nor a possible Category 3, 4 or 5 storm event. Following a determination from FEMA regarding privacy laws, the Town provided a list of street addresses of all improved properties without flood insurance to a local insurance firm to promote the sale of flood insurance.

Action: Continue enforcement of the Flood Damage Prevention Ordinance

Responsible Person: Code Enforcement Administration
Deadline: Ongoing
Funding: General operating budget
Prioritization: High

The Flood Damage Prevention Ordinance protects property to a level greater than the NFIP's minimum requirement. This ordinance requires 2 feet of freeboard above the base flood elevation shown on the FIRM in all SFHA zones. Additionally, the Flood Damage Prevention Ordinance requires property owners who wish to improve their property by greater than 50% of the current property value must conform with the current flood damage regulations.

STATUS: The new model Flood Damage Prevention Ordinance provided by the NC Emergency Management office was reviewed by Staff for the incorporation of local amendments, the Planning Board and a Public Hearing held. Town Council adopted the amended model with an effective date to coincide with the new FIRM effective date of 9/20/06. Staff has noted several areas where higher regulatory standards may improve mitigation efforts and benefit Southern Shores as a participating CRS Community.

Action: Implement stormwater management regulations

Responsible Person: Town Council
Deadline: 2008
Funding: General operating budget
Prioritization: High

The Town has reviewed the need for stormwater management regulations and will implement recommendations. Standing water after heavy rains presents a health and safety hazard.

STATUS: With the completion of several Stormwater Management improvements studies done the recommendations from those reports will be implemented. Council asked that its Town's Capital Improvement plan include the recommendations and some are being undertaken in the Town Right-of-Way by Public Works department as time permits.

GOAL: REDUCE THE TOWN'S VULNERABILITY TO WILDFIRES

Action: Continue the enforcement of the NC State Fire Code, referenced by the Town Fire Code

Responsible Person: Fire Official
Deadline: Ongoing
Funding: General operating budget
Prioritization: High

The North Carolina State Fire Prevention Code, as referenced by the Town Fire Code, requires vacant and improved property to be kept clear of combustible vegetative waste. Owners may be issued Notices of Nuisance conditions to abate the hazard or Civil Citations.

STATUS: Burn Permits are now issued by the Town Fire Official as a Fire Prevention Code Enforcement function versus the SSVFD, Fire Chief, Fire Protection function. Town Code,

Action: Continue enforcing the Lot Disturbance provisions of the Zoning Ordinance

Responsible Person: Code Enforcement Administration

Deadline: Ongoing
Funding: General operating budget
Prioritization: High

Originally established to require documentation of natural grade elevations prior to grading and filling, this item ensures that a site visit is made of all property prior to land clearing activities. Inspections staff reviews potential development impact to vegetation in Town right-of-way and possible stormwater runoff issues. Site plan vegetation removals are evaluated for wildfire potential.

STATUS: Continuing effort though there has been a slowdown in construction of new homes (2006 was ½ the number of new homes as 2005 and 2007 was ½ of 2006).

Action: Continue the periodic controlled burns of marshland to reduce wildfire fuels

Responsible Person: Fire Chief
Deadline: Ongoing
Funding: General operating budget
Prioritization: Medium (environmentally sound and technically feasible).

The town periodically undertakes controlled burns of marshland, with technical assistance from the North Carolina Division of Forest Resources. These burns reduce the amount of wildfire fuels.

STATUS: The last controlled burn was conducted 2003, 5 years ago. There is a limited window of opportunity to conduct such fires depending upon weather conditions and availability of resources. Burns are done as needed per the Division of Forest Resources.

Action: Continue testing the fire hydrants once a year and recording data

Responsible Person: Fire Chief
Deadline: Ongoing
Funding: General operating budget
Prioritization: High

The yearly hydrant testing program insures that the fire department has the necessary resources to combat urban fires. Collecting and recording the data provides the town with the necessary information to deal with any potential problems and minimize their effects on fire fighting ability.

STATUS: All the Town's hydrants and some private hydrants were tested in September 2007 by SSVFD personnel and are scheduled to be done October 2008.

2. PROPERTY PROTECTION ACTIVITIES

GOAL: MINIMIZE AND MITIGATE POTENTIAL DAMAGES TO INDIVIDUAL PROPERTIES FROM NATURAL HAZARDS (FLOOD, WIND, FIRE)

Action: Continue implementation of the Waterway Ordinance

Responsible Person: Code Enforcement Administration
Deadline: Ongoing
Funding: General operating budget
Prioritization: High

The Town Waterway Ordinance requires property owners to keep their banks clear of growth and debris. The North Carolina Department of Transportation routinely inspects and clears

debris from the drainage system on State maintained roads such as Route 12 and US 158. The Town amended its solid waste and waterway ordinances to specifically prohibit dumping in the drainage system.

STATUS: The Southern Shores Civic Assoc. Boat Club makes semi-annual inspections of the drainage canal for the Town. Property owners are notified by first class or certified mail of fallen trees obstructing the canal. Recently Staff rewrote the standard Notice of Violation / Warning Citation letter as a Nuisance Condition letter allowing the Town to remove the obstruction at the property owners' expense if they do not take care of the problem within 15 days of notification.

Action: Conduct the Canal Inspection and Debris Removal program twice a year

Responsible Person: Code Enforcement Administration

Deadline: Ongoing

Funding: General operating budget

Prioritization: High

Twice a year, the Town conducts a Canal Inspection and Debris Removal Program with the assistance of the Southern Shores Boat Club. This covers all navigable canals, lagoons, and inlets serving the community to ensure they are clear to drain flood waters. There are 19 such bodies of water that empty into the Currituck Sound and Ginguite Bay.

STATUS: Should be completed in 2009. The town has budgeted a canal dredging project with State Grant and Local funds.

Action: Seek the maximum points available from the Community Rating System (CRS) to keep flood insurance costs to the citizens as low as possible

Responsible Person: Code Enforcement Administration

Deadline: Ongoing

Funding: General operating budget

Prioritization: Medium (environmentally sound and technically feasible)

The town will continue the current mitigation activities and seek the maximum points available from the Community Rating System for the prescribed activities. CRS Credit is given for the town's Zoning Ordinance, which contains low density zoning provisions, recognized under Activity 430 (Higher Regulatory Standards) and a Flood Damage Prevention Ordinance, also recognized under Activity 430 (Higher Regulatory Standards). Open space preservation is credited under Activity 430 (Open Space Preservation). The drainage system maintenance program is credited under Activity 540 (Drainage System Maintenance).

STATUS: The Town recently completed its 5 year verification cycle visit and remained a Class 6 community with over 2,103 points. Staff made a presentation to the Planning Board stressing additional points available through Higher Regulatory Standards and Stormwater Management. The Hazard Mitigation Committee will be given a similar presentation.

Action: Continue enforcement of the state building code, including wind load requirements

Responsible Person: Code Enforcement Administration

Deadline: Ongoing

Funding: General operating budget

Prioritization: High

The town presently enforces the state building code and associated wind load requirements for coastal areas.

STATUS: Effective January 1, 2006 the NC Building and Residential Codes include requirements to protect glazed openings in structures from windborne debris within 1,500 feet of the Atlantic Ocean. Staff has developed a map of the lots affected by this code change. Many homes are opting to use the exemption of pre-cut plywood and fasteners for glazed openings.

ADDED ITEM

Action: *Develop, implement and construct Stormwater Infrastructure*

Responsible Person: Town Manager / Town Council

Deadline: Ongoing

Funding: Capital Improvement Plan

Prioritization: High

The town will have recommendations as to needed stormwater management infrastructure improvements. Funds must be budgeted to design, construct and maintain such facilities.

STATUS: Final recommendations are expected by January 2009.

3. NATURAL RESOURCE PROTECTION

GOAL: INTEGRATE NATURAL RESOURCE PROTECTION POLICIES WITH PROPERTY PROTECTION MEASURES

Action: *Continue enforcing Coastal Area Management Act (CAMA) regulations*

Responsible Person: Code Enforcement Administration

Deadline: Ongoing

Funding: General operating budget

Prioritization: High

The Town of Southern Shores participates in the North Carolina Coastal Area Management Program and is claiming special hazard credit points for the following coastal erosion management activities:

- Mapping the erosion-prone area to developing erosion rates;
- Regulating new development to reduce the susceptibility of buildings to erosion damage;
- Maintaining data on shoreline erosion; and
- Maintaining programs, such as bluff stabilization that affect the rate of erosion.

STATUS: The Town continues to fulfill its contractual obligations with the State. Staff continues to make site visits, review and issue CAMA Minor Permits and Exemption letters as Local Permit Officers (LPO). Staff has begun a review of Imminently Threatened properties along the Oceanfront for compliance with the AEC Hazard Notice and CAMA permit requirement to demolish or relocate within 2 years of becoming imminently threatened. Only homes constructed after this rule went into effect (1993) are affected. Lots platted prior to 1979 are allowed exceptions as well. The Town emphasizes the planting of natural vegetation to build and maintain dunes and discourages beach bulldozing. It appears FEMA NFIP guidelines are more restrictive than CAMA regarding excavation, grading and filling of dunes. The construction of pools on oceanfront property needs to be addressed. Increased oceanfront setbacks for new homes and redevelopment may be prudent.

Action: *Continue enforcement of the Dune Protection Ordinance*

Responsible Person: Code Enforcement Administration

Deadline: Ongoing

Funding: General operating budget

Prioritization: High

The Town has developed some regulatory standards for the special hazard areas of coastal dunes and beaches. The Town has designated dune and beach areas as open space. Town ordinance prohibits driving on sand dunes and requires construction of walkways over dunes. CAMA setback regulations prohibit buildings within 60 feet of the vegetation line.

STATUS: The Town only allows emergency vehicles to cross the dunes at three (3) access points along the Oceanfront. These are evenly spaced along the 4 mile beach. The dunes continue to accrete. The Dune Book has been advertised to Oceanfront property owners. Beach pushes and sand fencing are discouraged. Planting of vegetation is the town's primary message. The dune has not been breached in recent storms. Dunes are inspected before and after a storm.

Action: Coordinate wildfire prevention efforts with tree preservation policies

Responsible Person: Planning Board

Deadline: Ongoing

Funding: General operating budget

Prioritization: Low (technically sound)

The town has adopted tree preservation policies, which may be in conflict with efforts to prevent wildfire. These two conflicting policies need to be addressed together, and a single policy statement for the town should be developed.

STATUS: The Town Vegetation Advisory Board has recently been reformed as a committee reporting to the Planning Board. Representatives still attend Lot Disturbance on-site meetings providing advice to developers and property owners. Specimen trees are generally retained where feasible and clear space is provided around the immediate vicinity of the structure. Pools account for some of the 30' open space in yards.

Action: Continue enforcing the State Erosion and Sedimentation Control regulations

Responsible Person: Code Enforcement Administration

Deadline: Ongoing

Funding: General operating budget

Prioritization: High

If a property owner disturbs more than 1 acre, they must submit an Erosion and Sedimentation Control plan. Erosion and sedimentation control is credited under Activity 430 (Higher Regulatory Standards).

STATUS: In addition to the State minimum requirements, the Town Zoning Ordinance includes a provision for Lot Disturbance Permits applicable to individual lots both commercial and residential less than 1 acre. The majority of land in Southern Shores is zoned RS-1, Single Family Residential. These platted lots may be less or more than 20,000 sf (1/2 acre) in size. While the 30% Lot Coverage maximum applies to the completed principal structure, accessory uses and improved driveways, often 85% to 90% of a lot may be disturbed in the process. On site meetings between staff and developers prior to land disturbance activity allows an opportunity to address post-development stormwater impacts as well as silt fence placement during construction.

4. RECONSTRUCTION

GOAL: ESTABLISH PLANS TO SUPPORT RECONSTRUCTION EFFORTS AFTER A NATURAL HAZARD

Action: *Continue to have a standing Reconstruction Task Force*

Responsible Person: Reconstruction Task Force

Deadline: Ongoing

Funding: General operating budget

Prioritization: High

The town has a standing Reconstruction Task Force that is on call and ready to serve in a post-disaster environment. The Reconstruction Task Force relies heavily on the Southern Shores Master Emergency Plan, which establishes post-disaster mitigation policies and procedures.

STATUS: The members of the Reconstruction Task Force represent a cross section of the Town's elected officials, staff, volunteers and industry. At this time the Hazard Mitigation Planning Committee is composed of the same members. Town Staff and selected volunteers such as the Fire Chief have taken the required NIMS training.

Action: *Develop guidelines for reconstruction efforts*

Responsible Person: Reconstruction Task Force

Deadline: December 2008

Funding: General operating budget / State Land Use Planning Grants

Prioritization: Medium (environmentally sound and technically feasible)

A responsibility for the standing Reconstruction Task Force is to develop guidelines to expedite reconstruction efforts. A major portion of the guidelines may be already detailed in the Southern Shores Master Emergency Plan.

STATUS: The Town Code Chapter 12 Emergency Management provides for an orderly post disaster response. The town is completing an update of its Land Use Plan. State grant funding is supplementing local funds. The deadline for this Activity has been extended to December 2008. Develop Partial and Total Devastation reconstruction plans. Requesting undergrounding of remaining overhead utilities.

Action: *Communicate with citizens about plans and the problems of providing services after a storm event*

Responsible Person: Reconstruction Task Force

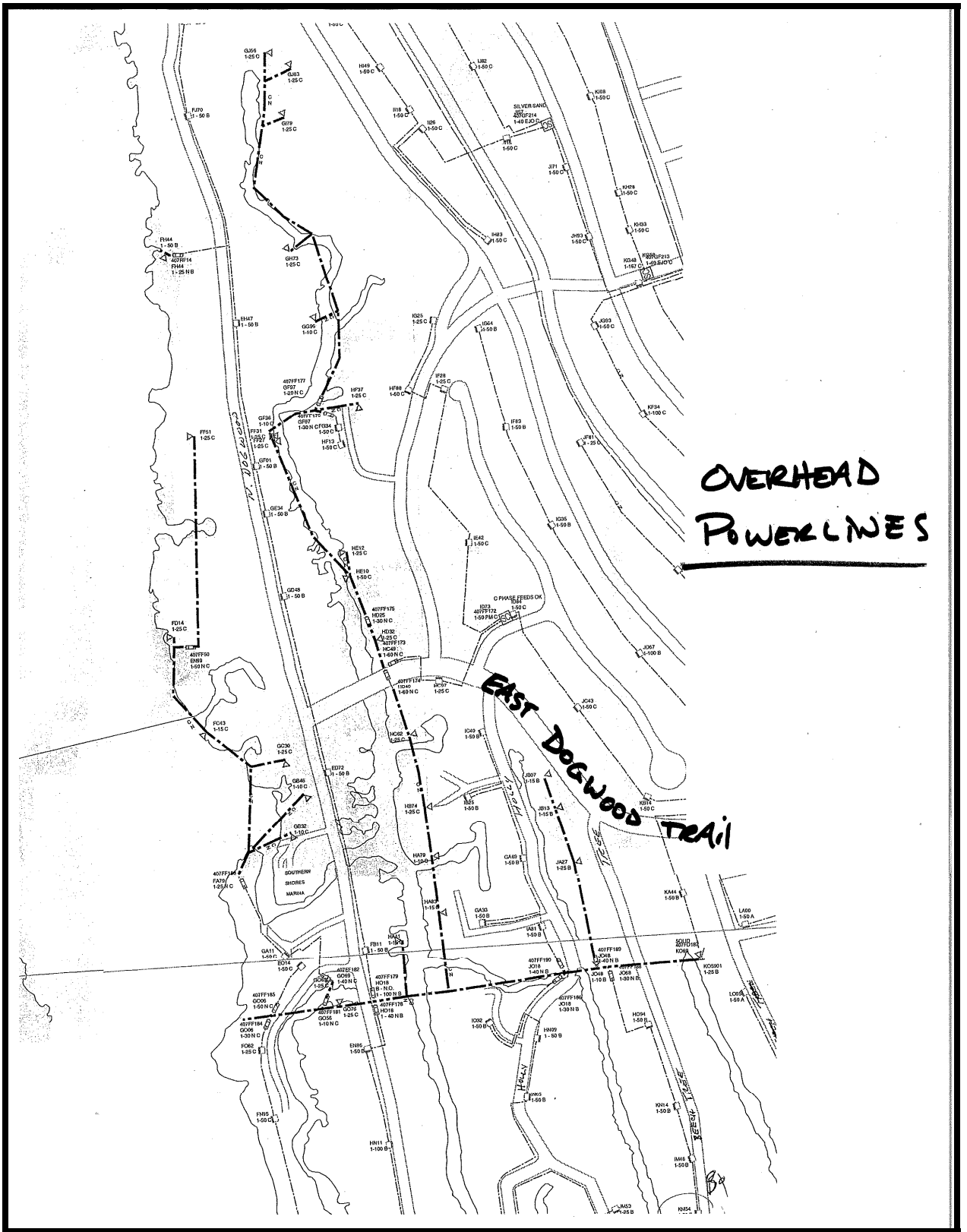
Deadline: Ongoing

Funding: General operating budget

Prioritization: Medium (cost effective and technically feasible)

The Reconstruction Task Force needs to consider public information activities that will communicate to citizens the procedures in place after storm events.

STATUS: Town Staff prepares and sends weekly Broadcast emails to all citizen subscribers. These emails advise of road closures, Hurricane Preparation activities, etc. Updates to current storm tracks are provided. Citizens are made aware that there are no authorized shelters in Dare County and that if they stay during a storm event they must be prepared to be self sufficient for at least 3 or 4 days. Reconstruction Task Force will be developing plans to address partial and total devastation of the Town by a design storm or catastrophic storm.



OVERHEAD
POWERLINES

EAST DOGWOOD TRAIL

5. LIFE AND SAFETY

GOAL: IMPLEMENT ACTIVITIES THAT ASSIST IN PROTECTING LIVES FROM THE EFFECTS OF NATURAL HAZARDS

Action: *Develop a better flood warning system*

Responsible Person: Reconstruction Task Force

Deadline: July 2008

Funding: General operating budget

Prioritization: Low (technically feasible)

The town's primary flood threat recognition system is operated by the National Weather Service which issues National Hurricane Center tracking reports. The town has adopted, and participates in, the Dare County Hurricane Evacuation Plan which provides for emergency warning dissemination. The town also has the capability to produce GIS maps using SLOSH inundation maps to convert a forecast from the National Hurricane Center to a predicted area of inundation throughout the community. Other response efforts include preparedness training programs and disaster drills. Southern Shores Master Emergency Plan includes warning and coordinating with critical facilities.

STATUS: Southern Shores participates in a Joint Public Information Strategy with other jurisdictions. While the approach of a Hurricane is well publicized in national and regional media services, local flooding as a result of isolated rain events and groundwater tables are not well publicized ahead of time due to a lack of monitoring and reporting sensors. The results of a year long hydrological study in the Chicahawk Subdivision has become the basis for an improved flood warning system for this type of flooding event. Residents should be encouraged to purchase and monitor portable scanners that will report on flooding of nearby communities in real time. Text messages to cell phone subscribers and other new technology developments should be considered part of the warning system.

Action: *Continue to monitor NC Turnpike Authority plans for the Mid-Currituck Bridge to expedite evacuation*

Responsible Person: Build the Bridge Committee

Deadline: Ongoing

Funding: General operating budget

Prioritization: High

The Transportation Improvement Program (TIP), published by the NC Department of Transportation, has the Mid-Currituck Bridge, from Coinjock to Corolla scheduled for completion 2013.

STATUS: The "Build the Bridge Committee" has been successful in lobbying for the bridge and is monitoring the process. Bridge Committee gives Council updates on the project as needed.

6. EMERGENCY SERVICES

GOAL: COORDINATE EMERGENCY PLANS FROM IMPACTED SERVICES (I.E., WATER, TELEPHONE, ELECTRIC, FIRE, RESCUE, AND MEDICAL)

Action: *Encourage food stores and pharmacies within the town to have alternative power supplies during and after storm events*

Responsible Person: Reconstruction Task Force

Deadline: Ongoing

Funding: General operating budget
Prioritization: Low (technically feasible)

Many people in the community depend on the local grocery stores and pharmacies for sustenance and medical needs. The Reconstruction Task Force should work with these businesses to ensure that alternative power supplies are available so that these businesses may reopen in the event of a disaster.

STATUS: The Food Lion Grocery Store has installed electrical switch gear that allows connection of a trailer mounted emergency generator to the store to provide uninterrupted power during and after a storm event if power is lost. NC Natural Gas, A Piedmont Natural Gas Co., has installed underground service to the Outer Banks. Cell phone companies have installed antenna on the Dare County Water tower at the Kitty Hawk Elementary School (Verizon, US Cellular & Suncom / Cingular / AT&T) Verizon and US Cellular has an emergency generators (diesel) within its utility building. Natural Gas service replaces LP Gas Tanks located within the floodplain where they are susceptible to flooding damage. Suncom / Cingular is configured with an emergency power connection plug for a trailer mounted generator. EVDO service may allow computer & internet service despite loss of cell phone service.

Action: Continue to provide an Emergency Operations Center

Responsible Person: Town Council
Deadline: Ongoing
Funding: General operating budget
Prioritization: High

The town should maintain an Emergency Operations Center, in order to implement the Master Emergency Operations Plan.

STATUS: The Town has identified 3 locations from which to conduct emergency operations.

1. Minor emergencies are handled out of Town Hall & the Pitts Center at the Municipal Complex at 5375 N Virginia Dare Trail.
2. Major emergencies are run out of the Southern Shores Volunteer Fire Dept. (SSVFD) at 15 S Dogwood Trail across from the newly renovated Kitty Hawk Elementary School (KHES) The SSVFD currently has an emergency generator installed. The KHES has switchgear installed to accept an emergency generator.
3. Catastrophic Disaster would require establishment of a reentry point on the mainland, possibly in Elizabeth City at the Coast Guard Air Station assuming there is not land route available.

Action: Keep emergency plans current and provide staff with continuing education opportunities

Responsible Person: Town Council
Deadline: Ongoing
Funding: General operating budget
Prioritization: High

Southern Shores participates regularly in regional meetings on emergency preparedness.

STATUS: Staff is continuing to take NIMS certification courses as needed.

7. PUBLIC INFORMATION

GOAL: COMMUNICATE WITH CITIZENS ABOUT THE SUSCEPTIBILITY TO NATURAL HAZARDS AND THEIR EFFECTS

Action: Educate citizens on expected impacts of hazards on daily lives

Responsible Person: Code Enforcement Administration

Deadline: Ongoing

Funding: General operating budget

Prioritization: High

Southern Shores implements many public information activities. Among the activities implemented is floodplain mapping information, outreach projects, real estate disclosure, and documents in the floodplain library.

Southern Shores provides flood protection assistance. The Building Inspector provides assistance by reviewing plans, making site visits before, as well as during, and after construction. A list of contractors that have built homes in Southern Shores is available.

STATUS: Outreach Brochures are mailed to property owners annually that includes information on hurricane preparations. Staff has requested and has been provided a list of all current Flood Insurance policyholders in our community. We have reviewed the list for address accuracy and used the list to create a list of improved properties within the Special Flood Hazard Area (SFHA) without Flood Insurance. This list of properties has been provided to an insurance firm to allow targeted marketing of flood insurance.

Action: Continue current public information outreach efforts regarding flooding

Responsible Person: Code Enforcement Administration

Deadline: Ongoing

Funding: General operating budget

Prioritization: High

Each year, the Town mails a brochure to every property owner describing the flood hazard. A separate brochure is mailed to every resident in the SFHA advising them of the potential flood hazard, the availability of flood insurance and flood protection methods. A list of properties in the floodplain is submitted to FEMA annually.

The town maintains and publicizes documents related to flood insurance, flood protection, flood proofing structures, and floodplain management. The Town assists the Kill Devil Hills branch of the Dare County Library with floodplain materials. Documents prepared locally and keyed to local conditions are the Town's Flood Insurance Study and the photographic account by David Stick, *The Ash Wednesday Storm*.

STATUS: See the above item.

Action: Continue e-mail and website services

Responsible Person: Town Staff

Deadline: Ongoing

Funding: General operating budget

Prioritization: Medium (cost effective and technically feasible)

The widespread availability of internet access has allowed the town to use online services to disseminate public information to citizens and property owners.

STATUS: The Town maintains a weekly Broadcast email service to its property owners and residents. The Town website www.southernshores-nc.gov contains a link to a GIS map of the Town that allows viewing of color aerial photos overlaid with the current FIRM 2006 or

previous FIRM 1993. The Town will upon request will provide on a scanned As-Built Surveys and Elevation Certificates that the Town has on file. These services are free to citizens and professionals.