



## MEMORANDUM

DATE: September 26, 2011

TO: James Adkins, Chairman  
Hernando County Board of County Commissioners

VIA: David N. Hamilton, County Administrator

FROM: Cecilia Patella, Director, Emergency Management

SUBJECT: Progress Report on the Strategic Goals of the Local Mitigation Strategy Committee

cc: Charles Morton, Chairman, Local Mitigation Strategy Committee

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The National Flood Insurance Program (NFIP) provides federally backed flood insurance to property owners in communities that adopt and enforce a floodplain management ordinance to regulate development in flood hazard areas. The Community Rating System (CRS) is an incentive program that offers discounts on flood premiums. Discounts are awarded to those communities that perform additional activities that reduce flood damage to existing buildings, manage development in areas not mapped by NFIP, protect new buildings beyond the minimum levels, help insurance agents obtain flood data and help people obtain flood insurance.

In 2010, Hernando County was one of 72 communities nationwide to reach a rating of "6", making homeowners eligible to receive a 20% discount on their flood policy premium. On October 1, 2011, there will be 1,151 communities participating in the Community Rating System Program. Flood insurance policy holders in the Special Flood Hazard Area will receive a 20% discount on their premium and those outside the SFHA will receive a 10% discount on premiums. As a condition of participating in the Community Rating System, an annual progress report is required and all the information contained therein must be distributed to the media and made available to the public. This report was prepared on behalf of the executive members of Hernando County Local Mitigation Strategy (LMS) Committee by the County's Emergency Management/CRS Coordinator.

The Local Mitigation Strategy (LMS) Plan was initially adopted by the participating jurisdictions as follows:

<u>Resolution</u>	<u>Date</u>	<u>Jurisdiction</u>
#2004-324	December 14, 2004	Hernando County Board of county Commissioners
#2004-28	December 20, 2004	City of Brooksville
#2004-03	December 27, 2004	City of Weeki Wachee

During 2009-10, the LMS workgroup updated the LMS Plan and received conditional approval from FEMA and the State of Florida Division of Emergency Management pending the adoption of the plan by the participating jurisdictions. The revised LMS Plan was adopted as follows:

<u>Resolution</u>	<u>Date</u>	<u>Jurisdiction</u>
#2010-114	August 31, 2010	Hernando County Board of county Commissioners
#2010- 16	September 20, 2010	City of Brooksville
#2010-02	August 24, 2010	City of Weeki Wachee

## **REPORT**

The Hernando County LMS plan identified three broad hazard mitigation Goals:

- *Increase public awareness regarding mitigation.*
- *Promote a disaster resistant community.*
- *Partner with the Division of Forestry to develop a wildfire mitigation program.*

To achieve those goals, specific objectives were identified in the LMS plan. Below, each objective is listed and followed by a 'status' which describes activities undertaken during the prior year to achieve the objectives.

### **Goal 1: Increase Public Awareness Regarding Mitigation**

Objective 1.1: Provide education and information to the public about potential hazards and property protection measures. Status: objective is achieved annually through regular presentations by HSCO/EM to the community at homeowner's association meetings, public meetings, and business group meetings. In January 2011 Emergency Management began tracking the number of presentations and participants at each meeting. For the period between January and September 2011, over 1,700 individuals participated in all-hazards presentations which included information on mitigation strategies, grants and flood insurance. In addition, HCSO/EM provides information to the public on the web.

Objective 1.2: Provide education and information to the business community to promote mitigation efforts. Status: Annually, HCSO/EM speaks to business owners and/or organizations on the topic of business

preparedness and continuity of operations. This effort continued in 2011 and was documented in Objective 1.1 above.

- Objective 1.3: Utilize print media, television, and radio and computer technology to educate the public on mitigation. Status: During 2010-11, HCSO/EM conducted a project which included advertising on all media outlets.
- Objective 1.4: Annually provide outreach specifically to properties immediately adjacent to the repetitive loss properties as part of the Community Rating System outreach and Repetitive Loss Property Owner outreach programs. Status: Completed, September, 2011.
- Objective 1.5: Provide general public outreach at County events, including the Emergency Management Hurricane Expo and general presentations to community groups. Status: Annual outreach was conducted during 2010-11.

**Goal 2:** Promote a Disaster Resistant Community.

- Objective 2.1: Ensure that critical services are protected. Status: This will be a multi-phase project. Phase one was started in 2010 with the identification of critical facilities.
- Objective 2.2: Provide sufficient shelter space in public facilities by retrofitting. Status: This will also be a long term process and dependent upon funding availability. In 2011, two projects made significant progress. First, construction of the ARC Nature Coast Developmentally Disabled Training Facility and Hurricane Shelter was completed. Second, the construction phase was completed at the Enrichment Center & Special Needs Shelter in Brooksville (retrofit).
- Objective 2.3: Prioritize and retrofit existing critical facilities and infrastructure. Status: Pending.
- Objective 2.4: Encourage participation in the National Flood Insurance and Flood Mitigation Assistance Programs. Status: Progress continues to be made this objective in 2010-2011 as part of the County's project to update the DFIRMs.
- Objective 2.5: Continue enforcement of codes for new development and redevelopment to ensure compliance with all applicable federal, state and local regulations. Status: On-going.
- Objective 2.6: Prioritize mitigation projects whose benefits are broad (community

vs. individual). Status: On-going.

Objective 2.7: Insure that mitigation projects produce long-term, cost effective benefits. Status: On-going.

Objective 2.8: Provide support to the Digital Flood Insurance Rate Map Modernization project. Status: On-hold. Significant support was provided in 2010 as the project progressed with the publication of preliminary flood maps and assistance was provided at public meetings. In 2011, the County progressed to the appeals stage of this project and two (2) official appeals were filed and settled. The DFIRMS are on track for adoption in the coming months.

**Goal 3:** Partner with the Division of Forestry to develop a Wildfire mitigation program.

Objective 3.1: Convene a committee to prepare a Community Wildfire Protection Plan. Status: Completed.

Objective 3.2: Provide education and information to the public about wildfire safety and mitigation. Status: Ongoing. Refer to the attached CWPP progress report describing four joint fire prevention public outreach programs were conducted in the communities of Ridge Manor, Spring Hill, High Point and Hernando Beach.

Objective 3.3: Identify potential wildfire projects that benefit as many residents as possible by mitigating impact to vulnerable areas and structures. Status: Ongoing. Refer to the attached CWPP progress report that describes projects specific mitigation projects conducted in the past calendar year.

## **MITIGATION PROJECTS**

As of September 2011 there are 98 projects within the following categories:

12	Prioritized Projects
14	Approved Projects
7	Proposed Projects
3	Funded and Underway
61	Completed Projects (Mitigated)
9	Closed or Withdrawn Without Mitigation

## **PRIORITIZED PROJECTS**

There are 12 projects on the list. These projects range from updating our Interoperability capabilities, reinforcing doors and windows on 3 fire stations, installing a redundant generator backup system and generator transfer switches at 8 fire stations.

### **APPROVED PROJECTS**

There are 14 approved projects, 6 of those projects are done on a yearly basis as educational outreach to the communities. Typically projects in this category do not require prioritization because they are funded locally and are included for informational purposes.

### **PROPOSED PROJECTS**

There are 7 proposed projects. These projects require additional development, possibly in areas such as detailed drawings, cost estimates, identification of a funding source, grant application, etc.

### **FUNDED AND UNDERWAY PROJECTS**

In 2011 we applied for and received a grant from the State of Florida to develop a Post Disaster Redevelopment Plan.

### **COMPLETED PROJECTS**

Two projects were completed since the last annual progress report was published.

- Wind Retrofit – The ARC Nature Coast School and Special Needs shelter is completed. This shelter will be used to house the developmentally disabled clients who attend the school on an ongoing basis.
- Wind Retrofit –The Enrichment Center and Special Needs Shelter is completed. This shelter will be used as a general population shelter during severe weather events, and as a host shelter for Functional and Special needs after a disaster.

### **CANCELLED / WITHDRAWN PROJECTS**

No projects were cancelled or withdrawn in 2010-2011.

### **RECOMMENDATIONS**

The Hernando County LMS continues to make progress towards its mitigation goals. To maintain the momentum, the following recommendations are reiterated from the prior years.

1. Continue to work towards elimination of the shelter deficit.
2. Continue to provide education focused on mitigation to those areas identified on the Repetitive Loss Property maps and flood plain areas.
3. Identify other critical facilities and ensure they are protected.
4. Target businesses for mitigation education.

LMS Project List								
July 2011								
LMS Priority	Owner	Hazard	Action	Jurisdiction	Amount Requested/ Possible Funding Source	Timetable	Ranking	BCR
<b>Prioritized Projects</b>								
1	HC Sheriff's Office	Technological	Interoperability Phase I - upgrade existing radios to P25 Digital radios	Hernando County	\$1,608,861 - local, other	>12	15	
2	HC Fire Rescue	Hurricanes	Reinforce bay doors and install Storm Shutters at Station 13.	Hernando County	\$25,000 - PDM or HMGP	>12	14	3.88
3	HC Fire Rescue	Hurricanes	Reinforce bay doors and install Storm Shutters at Station 23.	Hernando County	\$25,000 - PDM or HMGP	>12	14	3.61
4	HC Fire Rescue	Hurricanes	Reinforce bay doors and install Storm Shutters at Station 22.	Hernando County	\$25,000 - PDM or HMGP	>12	14	3.41
5	The Arc Nature Coast	Hurricanes	Developmental disabilities Regional Shelter Expansion	Hernando County	\$400,000 - PDM	>12	14	
6	The Arc Nature Coast	Hurricanes	Developmental disabilities Regional Shelter Equipment	Hernando County	\$16,000 - local, other	>12	14	
7	The Arc Nature Coast	Hurricanes	Developmental disabilities Regional Shelter Storage Facility	Hernando County	\$250,000 - PDM	>12	14	
8	Lifesouth Blood Center	Hurricanes	Critical equipment alarm system	Hernando County	\$150,000 local, other	>12	14	
9	Lifesouth Blood Center	Hurricanes	Demolition/Rebuild 2nd story of existing critical facility	Hernando County	\$1.5 million – local, other	>12	14	
10	Lifesouth Blood Center	Hurricanes	Redundant generator system	Hernando County	\$150,000 –local, other	>12	14	
11	HC Fire Rescue	Hurricanes	Transfer switches for generators at 8 fire stations	Hernando County	40000 - AFG	>12	14	
12	Spring Hill Fire Rescue	Flood	Install 45 KW gen, transfer switch Station 2-Fire Dispatch, Alt PSAP, HCFR Maint. Facility	Hernando County	\$19,000 – EMPATEF, HMGP, AFG	>12	14	
<b>Approved Projects</b>								
A1	HC BOCC, FEMA, SWFWMD	Flood	Countywide Digital Flood Insurance Rate Maps	Hernando County, City of Brooksville, City of Weeki Wachee	Cooperative: County, District, FEMA	2/2012		
A2	HC BOCC	Flood	Improvements to areas for stormwater management – Countywide	Hernando County	\$2,500,000 over 5 years - local	2009-2013		
A3	HC BOCC	Flood	Improve Star Road from limerock status to two-lane collector road intersecting to Weeping Willow then ultimately to Exile Road	Hernando County	\$4,000,000 - Local	2010-2012		
A4	HC BOCC	Hurricanes	Construct critical infrastructure at Brooksville Fire Dept Station	City of Brooksville	\$572,000 - Local	2010/2011		
A5	HC BOCC	Hurricanes	Purchase land for future construction of new fire station #16	Hernando County	\$50,000 - Local	2010/2011		
A6	HC BOCC	Hurricanes	Purchase land for future construction of new fire station #25	Hernando County	\$50,000 - Local	2010/2011		
A7	HC BOCC	Flood	Elevate lift station and control panel at Rhanbuoy Lift Station.	Hernando County	\$8,000 – Local Funding or HMGP	TBD		

A8	HCSO	Hurricanes, Coastal and Severe Storms, Floods, Wildfire, Winter Storm Freeze, Sinkholes, Coastal/ River Erosion, Lightning, Drought, Heat Wave, Tornado	All Hazards Outreach: Annual Hurricane and Safety Expo - 2012	Hernando County, City of Brooksville, City of Weeki Wachee	\$10,000 – Local	Annual		
A9	HCSO	Flood	Annual CRS Outreach – All Property Owners (insert in Trim Notice 2011	Hernando County, City of Brooksville, City of Weeki Wachee	\$4,000 – Local	Annual		
A10	HC BOCC	Flood	Barnett Road – install pipes in ROW to redirect flood waters to retention pond resulting in the protection of residences.	Hernando County City of Brooksville	\$ – Local	2011		
A11	HC Fire Rescue	Hazardous Materials	Local training for employees to support mitigation and response activities	Hernando County City of Brooksville, City of Weeki Wachee	\$ – Local	2010		
A12	Hernando County	Sinkholes	Sinkholes / Informational Handbook for Countywide distribution	Hernando County City of Brooksville, City of Weeki Wachee	\$ – Local	2008-2010		
A13	Hernando County	Tornado	Annual public presentation by NWS/Ruskin (weather spotters)2011	Hernando County City of Brooksville, City of Weeki Wachee	\$ – Local	Annual		
A14	Hernando County	Drought, Lightning, Winter Storms and Freezes	National Preparedness Month, Sept 2011. Conduct outreach activities that focus specifically on these four hazards: drought, lightning, winter storms and freezes. Activities will be as defined in the NPM documentation booklet.	Hernando County City of Brooksville, City of Weeki Wachee	\$ – Local	Annual		
<b>Proposed Projects</b>								
PR1	HC BOCC	Flood	Install generator & transfer switch: Springwood Rd lift station	Hernando County	\$30,000 – HMGP	TBD		
PR2	HC BOCC	Flood	Install 100 KW gen, auto transfer switch at Corrine Ave lift station.	Hernando County	\$30,000 – HMGP	TBD		
PR3	Brookridge Community POA	Hurricanes	Tie downs for structures in mobile home park	Hernando County	\$4,950,000	TBD		
PR4	HC BOCC	Flood	Install 20 KW gen, power transfer switches at station 50.	Hernando County	\$10,000 – HMGP	TBD		
PR5	HC BOCC	Flood	Elevate HVAC at Station 50.	Hernando County	\$4,000 – HMGP	TBD		
PR6	HC BOCC	Flood	Elevation or Acquisition	Hernando County	PDM	TBD		
PR7	HC BOCC	Safe Room	Garage Safe Room	Hernando County	PDM	TBD		

\*\* Repetitive Loss Properties are prioritized within the Floodplain Management Plan (FMP). They have been incorporated into the LMS by reference to FMP. Addresses are confidential - additional information will be provided upon request.

Funded and Underway								
F1	Enrichment Center	Hurricanes	Special Needs Shelter at Quarry Bldg at COB	City of Brooksville	Local, City, Federal appropriation	>12		
F2	HC BOCC	Flood	Peck Sink Stormwater Park	Hernando County	\$1,927,250.00 / FL Communities Trust	2009		
F3	HC BOCC	All Hazard	Develop and Implement a Post Disaster Redevelopment Plan	Hernando County	\$75,000 HMGP \$42,000 SHSGP	2012		
COMPLETED PROJECTS (Mitigated)								
M1	HC BOCC	Hurricanes	Animal Services Administration Bldg – Hardened Expansion	City of Brooksville	\$350,000 - Local	Completed		
M2	Hernando County	Tornado	Annual public presentation by NWS/Ruskin (weather spotters)2011	Hernando County City of Brooksville, City of Weeki Wachee	\$ – Local	Completed		
M3	ARC Nature Coast Facility	Hurricanes	Retrofit new bldg above code, use to their clients during emergencies.	Hernando County	\$1,100,000	Completed		
M4	HC Health Dept.	Pandemic	Training video for DOH employees	Hernando County	\$-Local	Completed		
M5	Enrichment Center	Hurricanes	Special Needs Shelter at Quarry Bldg at COB	City of Brooksville	Local, City, Federal appropriation	Completed		
M6	HC School Board	Hurricanes	Window/door retrofit – Parrott School (300 shelter spaces)	City of Brooksville	\$127,900/ HMGP	Completed		
M7	HC BOCC	Hurricanes	Wind retrofit DPW facility	City of Brooksville	\$119,573 - HMGP	Completed		
M8	Homeowner - Parrott	Flood	Acquire repetitive flood loss property at 5291 Tropical Point	Hernando County	\$564,605.00 / RFC	Completed		
M9	HC BOCC	Flood	Install generator & transfer switch: Audie Brook lift station	Hernando County	\$38,000 – HMGP	Completed		
M10	HC BOCC	Flood	Install telemetry system at the County Jail lift station.	Hernando County	\$9,000 – TBD or HMGP	Completed		
M11	HC BOCC	Flood	Install 45 KW gen & power transfer switches at Station 11.	Hernando County	\$19,000 - EMPATF or HMGP	Completed		
M12	HC BOCC	Flood	Install 200 KW gen & auto transfer switch: High Point lift station	Hernando County	\$37,500 - PDM or HMGP	Completed		
M13	HC BOCC	Hurricanes /Flood	Install Storm Shutters, 45KW gen & pwr transfer switch: Station 22	Hernando County	\$22,500 - EMPATF or HMGP	Completed		
M14	HC BOCC	Flood	Install 45 KW gen & power transfer switches at station 14.	Hernando County	\$19,000 – HMGP	Completed		
M15	HC BOCC	Hurricanes /Flood	Install Storm Shutters, 45KW gen, pwr transfer switch: Station13	Hernando County	\$22,500 – HMGP	Completed		
M16	HC BOCC	Flood	Install 60 KW gen, transfer switch & telemetry system at Ridge Manor West main lift station.	Hernando County	\$34,000 – HMGP	Completed		
M17	HC BOCC	Flood	Install 60 KW gen, auto transfer at Brookridge Main lift station.	Hernando County	\$25,000 – HMGP	Completed		

M18	HC BOCC	Flood	Install 240 KW gen, automatic transfer switch at Hut lift station.	Hernando County	\$40,000 – HMGP	Completed		
M19	HC BOCC	Flood	Ridge Manor Stormwater Pumping Facility. Install pump station at Sherman Hills subdivision (protects 100 homes from flooding).	Hernando County	\$313,229.09 – Local funding	Completed 2007		
M20	Homeowner - Grieves	Flood	Acquire flood loss property: 12064 Canopy Oaks Rd	Hernando County	\$298,563.00 / HMGP	Completed 2006		
M21	Brooksville, City	Hurricanes	Retrofit Windows/Doors on City Hall & install new back-up generator, transfer switches, etc.	City of Brooksville	\$226,222.25 / HMGP (Exclude generator: \$160,766.32)	Completed 2008		
M22	Brooksville, City	Hurricanes	Wind retrofit Police Station	City of Brooksville				
M23	HC BOCC	Hurricanes /Flood	Install storm shutters, generator and transfer switch at Station 12	Hernando County	\$108,650.29 / HMGP (incl. Station 21)	Completed 2007		
M24	HC BOCC	Hurricanes /Flood	Install Storm Shutters, 45 KW generator and power transfer switches at Station 21.	Hernando County	\$108,650.29 / HMGP (incl. Station 12)	Completed 2007		
M25	Brooksville, City	Hurricanes	Retrofit windows and doors on Fire Station.	City of Brooksville	\$28,836.50 – Municipal EMPATF or HMGP	Completed 2007		
M26	HC BOCC Spring Hill Fire Rescue	Hurricanes	Reinforce bay doors and install Storm Shutters at Station 4.	Hernando County	\$25,217.53 / HMGP	Completed 2006		
M27	HC BOCC	Hurricanes	Construct hardened EOC and 911 Operations Center.	City of Brooksville	\$1,187,211 - Local Bonds & HMGP.	Completed 2006/07		
M28	Brooksville, City of	Flood	Install generator and transfer switch on East Ave. lift station.	City of Brooksville	\$23,500 – USDA	Completed 2005/06		
M29	Brooksville, City of	Flood	Install generator and transfer switch on Kingswood lift station.	City of Brooksville	\$13,500 – USDA	Completed		
M30	Brooksville, City of	Flood	Install generator and transfer switch on D Street lift station.	City of Brooksville	\$13,500 – USDA	Completed		
M31	Brooksville, City of	Flood	Install generator and transfer switch on SR 50 lift station.	City of Brooksville	\$44,500 – USDA	Completed		
M32	Brooksville, City of	Flood	Install generator and transfer switch on A Street lift station.	City of Brooksville	\$13,500 – USDA	Completed		
M33	Brooksville, City of	Flood	Install generator and transfer switch on Bus Barn lift station.	City of Brooksville	\$13,500 – USDA	Completed		
M34	Brooksville, City of	Flood	Install generator & transfer switch on Tom Varn Park lift station.	City of Brooksville	\$13,500 – USDA	Completed		
M35	Brooksville, City of	Flood	Install generator & transfer switch on 3 Seasons lift station.	City of Brooksville	\$13,500 – USDA	Completed		
M36	Brooksville, City of	Flood	Install generator & transfer switch on Norborne Estates lift station.	City of Brooksville	\$13,500 – USDA	Completed		
M37	Brooksville, City of	Flood	Install generator & transfer switch on Lincoln Dr. lift station.	City of Brooksville	\$13,500 – USDA	Completed		
M38	Brooksville, City of	Flood	Install generator & transfer switch on PHCC lift station.	City of Brooksville	\$23,500 – USDA	Completed		
M39	Brooksville, City of	Flood	Install generator & transfer switch on Parrot M.S.lift station.	City of Brooksville	\$23,500 – USDA	Completed		

M40	Brooksville, City of	Flood	Install generator & transfer switch on Moton lift station.	City of Brooksville	\$13,500 – USDA	Completed		
M41	Brooksville, City of	Flood	Install generator & transfer switch on Fairgrounds lift station.	City of Brooksville	\$13,500 – USDA	Completed		
M42	Homeowner	Flood	Elevate/Acquire repetitive flood loss property: Maplewood Dr	Hernando County	TBD – FMAP or HMGP	Completed		
M43	Spring Hill Fire Rescue	Hurricanes	Reinforce bay doors and install Storm Shutters at Station 3.	Hernando County	\$4,896 – PDM or HMGP	2005/06		
M44	Weeki Wachee, City of	Flood	Improve storm water drainage within the city.	City of Weeki Wachee SWFWMD	\$50,000 – EMPATF or HMGP	Completed		
M45	HC School Board	Hurricanes	Window/door retrofit – Hernando High (200 shelter spaces)	City of Brooksville	\$65,000 – EMPATF or HMGP	2005/06		
M46	HC School Board	Hurricanes	Window/door retrofit –Nature Coast High(400 shelter spaces)	Hernando County	\$75,000 – EMPATF or HMGP	2005/06		
M47	HC School Board	Hurricanes	Window/door retrofit– Chocochatti ES (400 shelter spaces)	Hernando County	\$82,000 – EMPATF or HMGP	2005/06		
M48	HCSO	Hurricanes, Coastal and Severe Storms, Floods, Wildfire, Winter Storm Freeze, Sinkholes, Coastal/ River Erosion, Lightning, Drought, Heat Wave, Tornado	All Hazards Outreach 2009 Hurricane and Safety Expo at Weeki Wachee Springs, 3000 in attendance	City of Weeki Wachee, City of Brooksville, Hernando County	\$10,000 – Local	05/2009		
M49	HCSO	Coastal Storm, Floods, River Erosion	2009 CRS Outreach – All Property Owners (insert in Trim Notice	Hernando County, City of Weeki Wachee, City of Brooksville	\$3,000 – Local	08/2009		
M50	HC Emer. Mgmt.	Hurricanes, Coastal and Severe Storms, Floods, Wildfire, Winter Storm Freeze, Sinkholes, Coastal/ River Erosion, Lightning, Drought, Heat Wave, Tornado	All Hazards Outreach 2008 Hurricane Expo at Weeki Wachee Springs, 2500 in attendance	City of Weeki Wachee, City of Brooksville, Hernando County	\$10,000 – Local	06/2008		
M51	HC Emer. Mgmt.	Coastal Storm, Floods, River Erosion	2008 CRS Outreach – All Property Owners (insert in Trim Notice	Hernando County, City of Weeki Wachee, City of Brooksville	\$4,000 – Local	08/2008		
M52	HC Emer. Mgmt.	Hurricanes, Coastal and Severe Storms, Floods, Wildfire, Winter Storm Freeze, Sinkholes, Coastal/ River Erosion, Lightning, Drought, Heat Wave, Tornado	All Hazards Outreach 2007 Hurricane Expo - at Weeki Wachee Springs, 1000 in attendance	City of Weeki Wachee, City of Brooksville, Hernando County	\$10,000 – Local	06/2007		
M53	HC Emer. Mgmt.	Coastal Storm, Floods, River Erosion	2007 CRS Outreach – All Property Owners (insert in Trim Notice	Hernando County, City of Weeki Wachee, City of Brooksville	\$4,000 – Local	08/2007		

M54	HC Emer. Mgmt.	Hurricanes, Coastal and Severe Storms, Floods, Wildfire, Winter Storm Freeze, Sinkholes, Coastal/ River Erosion, Lightning, Drought, Heat Wave, Tornado	All Hazards Outreach 2006 Hurricane Expo - at Weeki Wachee Springs, 8000 in attendance	City of Weeki Wachee, City of Brooksville, Hernando County	\$10,000 – Local	06/2006		
M55	HC Emer. Mgmt.	Coastal Storm, Floods, River Erosion	2006 CRS Outreach – All Property Owners (insert in Trim Notice	Hernando County, City of Weeki Wachee, City of Brooksville	\$4,000 – Local	08/2006		
M56	HC Emer. Mgmt.	Hurricanes, Coastal and Severe Storms, Floods, Wildfire, Winter Storm Freeze, Sinkholes, Coastal/ River Erosion, Lightning, Drought, Heat Wave, Tornado	All Hazards Outreach 2005 Hurricane Expo - at Weeki Wachee Springs, 2986 in attendance	City of Weeki Wachee, City of Brooksville, Hernando County	\$10,000 – Local	06/2005		
M57	HC Emer. Mgmt.	Coastal Storm, Floods, River Erosion	2005CRS Outreach – All Property Owners (insert in Trim Notice	Hernando County, City of Weeki Wachee, City of Brooksville	\$4,000 – Local	08/2005		
M58	HCSO	Hurricanes, Coastal and Severe Storms, Floods, Wildfire, Winter Storm Freeze, Sinkholes, Coastal/ River Erosion, Lightning, Drought, Heat Wave, Tornado	All Hazards Outreach: Annual Hurricane and Safety Expo - 2010	Hernando County, City of Brooksville, City of Weeki Wachee	\$10,000 – Local	05/2010		
M59	HCSO	Flood	Annual CRS Outreach – All Property Owners (insert in Trim Notice	Hernando County, City of Brooksville, City of Weeki Wachee	\$4,000 – Local	08/2010		
M60	LMS Committee	Wildfire	Support/Assist with the development of a Community Wildfire Protection Plan.	Hernando County City of Brooksville, City of Weeki Wachee,	\$ – Local	2009-2010		
M61	HC Fire Rescue	Hazardous Materials	Local training for employees to support mitigation and response activities	Hernando County City of Brooksville, City of Weeki Wachee	\$ – Local	2010		

Closed or Withdrawn Without Mitigation								
W1	Homeowner - Seltz	Flood	Acquire repetitive flood loss property at 34071 Madison Ave	Property Owner and HC	\$84,876.03 / HMGP	TBD		
W2	Homeowner - Coudray	Flood	Elevate repetitive flood loss property at 3205 Gulf Dr.	Property Owner and HC	\$88,404.00 / HMGP	TBD		
W3	Homeowner - Zito	Flood	Acquire repetitive flood loss property: 33377 Westwood Dr	Property Owner and HC	\$128,587 / HMGP	TBD		
W4	Spring Hill Fire Rescue	Hurricanes	Reinforce bay doors , install Storm Shutters: Hydrant & Supply Bldg.	Spring Hill Fire Rescue	\$4,388 – PDM or HMGP	2005/06		
W5	Spring Hill Fire Rescue	Hurricanes	Reinforce bay doors and install Storm Shutters at Station 1.	Spring Hill Fire Rescue	\$10,557 – PDM or HMGP	2005/06		
W6	Spring Hill Fire Rescue	Hurricanes	Reinforce bay doors and install Storm Shutters at Station 2.	Spring Hill Fire Rescue	\$11,779 – PDM or HMGP	2005/06		
W7	HC BOCC	Hurricanes	Wind retrofit Gov Center	Hernando County	TBD / HMGP	2008		
W8	Enrichment Ctr, Oak Hill Hospital	Hurricanes	Retrofit new bldg above code, use for Special Needs Shelter.	Oak Hill Hospital	\$1,268,795.16 / HMGP	2008		
W9	Health Department	Hurricanes	Install generator in conjunction with wind retrofit.	Health Department	TBD - EMPA	TBD		

**ATTACHMENT**

**GOAL PROGRESS REPORT**  
**AUG. 2010- AUG 2011**

**HERNANDO COUNTY**  
**FLORIDA**

**Community Wildfire Protection**  
**Plan**



The Hernando County Community Wildfire Protection Plan (CWPP) was formally adopted by Hernando County in November of 2009. The plan is a sub-plan to the County Local Mitigation Strategy Plan. It identifies mitigation actions to reduce the County's wildland fire risk. As such, initial goal planning and accomplishment actions began in 2010.

This progress report is a summary of actions completed at the individual goal level from January 2010 through August 2011. Many of these actions were jointly accomplished by Hernando County Fire Rescue, the Florida Forest Service, the Florida Fish and Wildlife Conservation Service and responsible private landowners within Hernando County.

Approved: 19 August 2011

Frank DeFrancesco, Assistant Chief, Hernando County Fire Rescue

Approved: 22 August 2011

Donald Ruths, Wildfire Mitigation Specialist, Florida Forest Service

**GOAL: Reduce the wildfire risk exposure of Hernando County's High and Medium at-risk communities through hazardous fuel mitigation actions.**

**ACTIONS: January 2010- August 2011**

In February of 2010 a hazardous fuel reduction working group meeting was convened at the Withlacoochee Forestry Center. The working group included Hernando County Fire Rescue Assistant Chief Frank DeFrancesco, Forest Area Supervisor Dave Fogler, Hernando County Forester Justin Draft, Chassahowitzka Wildlife Management Area Manger, Chad Allison, Mary Barnwell, Land Manger, Southwest Florida Water Management District and Don Ruths, Wildfire Mitigation Specialist, Withlacoochee Forestry Center.

The group reviewed regions of hazardous wildland vegetations that interfaced with County communities and presented potential wildfire risks to those communities. Priority was given to projects that would benefit the greatest number of homes/values within the highest risk categories. Funding sources would come from Federal Grant sources through the Florida Forest Service. Projects would be completed throughout 2010 and 2011 based on funding availability.

Eight (8) hazardous fuels mitigation projects were identified and completed through a combination of contracted mowing operations and jointly conducted prescribed burn operations. Details on these projects are contained in the table below.

<b>PROJECT NAME</b>	<b>OWNERSHIP</b>	<b>FUELS REDUCTION TYPE</b>	<b>ACRES TREATED</b>	<b>NUMBER OF HOMES AND STRUCTURES PROTECTED</b>	<b>ESTIMATED STRUCTURE VALUES</b>	<b>COMMUNITY (S) BENEFITTING</b>
Chass. FWC	State	Mow/Rx Burn	298	429	\$25 Million	Weeki Wachee, The Heather
Highpoint	Private	Mow	7	232	\$19 Million	Highpoint
Springhill	Private	Mow	8	1200	\$60 Million	Springhill
Croom Forest	State	Rx Burn	700	67	\$4.6 Million	Single Family rural homes
WFC Tract	State	Rx Burn	170	22	\$2.4 Million	Single Family rural homes
Clyman Property	Private	Mow	4	800	\$ 48.4 Million	Springhill
Ferber Property	Private	Mow	3.5	400	\$ 23.8 Million	Springhill
Shady Oakes	Private	Mow	3	300	\$13 Million	Fort Dade Mobile Home Community
<b>EIGHT TOTAL PROJECTS</b>			<b>1024</b>	<b>3450</b>	<b>\$1.9 Billion</b>	

**GOAL: Reduce Hernando County's arson and careless burning fire cause occurrences using public education and intervention programs.**

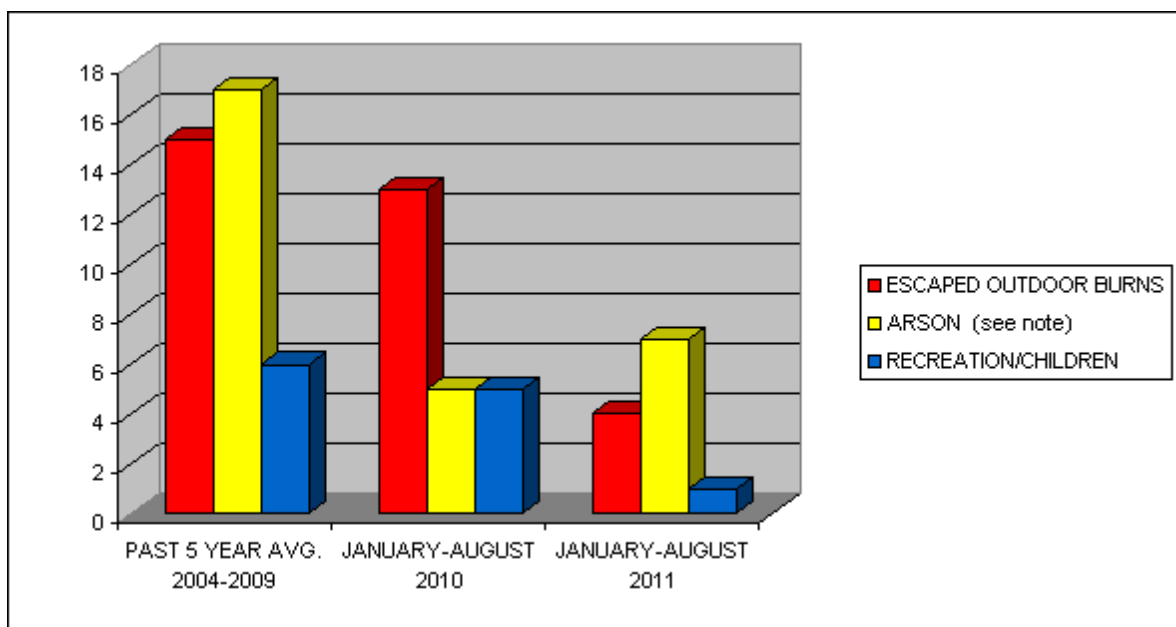
**ACTIONS: January 2010- August 2011**

Four joint (Hernando County Fire Rescue and Florida Forest Service) fire prevention public outreach programs were conducted during this period in the communities of Ridge Manor, Spring Hill, High Point and Hernando Beach. Two of these programs were conducted as Fire Station Open Houses and two were conducted at commercial establishments. A popular restaurant, the Lone Star Steak House sponsored a two month long publicity campaign providing wildfire prevention brochures at their tables and Smokey Bear presentations. Wildfire prevention awareness booths were also conducted at the 2011 County Hurricane Exposition and the Hernando County and Brooksville Arbor Day Celebrations. A door to door woods arson awareness campaign was completed within the Ridge Manor community. All of our County Intermediate Schools received distribution of the Wildfire Safety Newsletter through the Newspapers in Education Program. Although it is difficult to demonstrate a static correlation between the conduct of wildfire prevention outreach programs and a reduction in human caused wildfires, we do believe that annual trending of human caused wildfires should be an indicator of the effectiveness of wildfire prevention programs

This report looked at the five year human caused wildfire average for 2005-2009 prior to the CWPP adoption and then compared the 2010 and 2011 causes. This data is presented in the chart of the following page. It does indicate a downward trend for human caused wildfires. It is also important to note that the 2011 Spring wildfire season was one of the worse in our State's history with Hernando County's Fire Danger Index remaining high to very high for 67 days and the Governor declaring a state of emergency due to the very high wildfire risk and occurrences. In spite of these conditions, our County citizens were aware of the risks and used common sense and safety in all outdoor burning activities, additionally, a County ban on outdoor burning was imposed during May – June 2011 which may have contributed to a reduction in human caused wildfires.

## HERNANDO COUNTY, HUMAN CAUSED WILDFIRE REDUCTION: 2010-2011

HUMAN CAUSE	PAST 5 YEAR AVG. 2004-2009	JANUARY-AUGUST 2010	JANUARY-AUGUST 2011
ESCAPED OUTDOOR BURNS	15	13	4
ARSON (see note)	17	5	7
RECREATION/CHILDREN	6	5	1



NOTE: Unfortunately, arson caused fires are the most difficult to prevent due to numerous and complex human factors which may motivate the arsonist.

**GOAL: Identify and request County Comprehensive Plan changes which should require future land development and construction within moderate to high risk wildland interface regions to comply with Firewise land development and construction standards reducing structure ignition probability and enhancing wildland fire suppression and structure defense capabilities.**

**ACTIONS: January 2010-August 2011. As of this date, county planning has not pursued Comprehensive Plan changes to incorporate Firewise standards. However, they did implement instructions within the Development Order for the Quarry Preserve DRI for them to develop a hazardous fuel management plan for wildlife corridors and common greenbelt preserves within the preserve boundaries.**

**GOAL: Expand the knowledge and practice of Firewise principles by Hernando County residents through appropriate education programs such as Firewise.**

**ACTIONS: January 2010- August 2011. A total of eight “Firewise Community” and four “Home Ignition Zone” community presentations were given. These programs included the communities of the Heather, High Point, Glen Lakes, Royal Highlands and several through the Hernando County Institute for Agricultural Services extension office. Fire wise Community and wildfire prevention educational materials are located at our County Fire rescue manned stations serving communities within the wildland interface regions**

**GOAL: Improve the County Fire Rescue organizations wildfire suppression tactical knowledge and initial attack capability.**

**ACTIONS: January 2010-August 2011. Hernando County’s Fire Rescue organization has an impressive record of wildland fire suppression tactics training. 75% of their firefighters have completed wildland fire behavior, wildland fire fighter tactics and fire line human factors training courses while 100% of the staff has completed the introduction to fire in the wildland urban interface training.**

**The County’s initial response to and suppression actions during this period has been equally impressive. Of the 229 brush, grass and wildland fires experienced County wide, the County Fire/ Rescue team responded to and completed suppression action on 70% of these fires without requiring Florida Forest Service suppression assistance.**

**GRASS, BRUSH, WILDFIRE SUPPRESSION ACTIONS**

<b>YEARS</b>	<b>COUNTY UNASSISTED SUPPRESSION ACTIONS</b>	<b>FLORIDA FOREST SERVICE ASSISTANCE</b>
<b>2010</b>	<b>63%</b>	<b>37%</b>
<b>2011</b>	<b>76%</b>	<b>24%</b>

