

TOWN OF GRANT-VALKARIA, FLORIDA

RESOLUTION NO. 12-2010

A RESOLUTION OF THE TOWN OF GRANT-VALKARIA, BREVARD COUNTY, FLORIDA, AUTHORIZING THE INCLUSION OF THE TOWN OF GRANT-VALKARIA IN THE 2010 UPDATE OF THE BREVARD PREPARES LOCAL MITIGATION STRATEGY PLAN; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Town of Grant-Valkaria is vulnerable to the human and economic costs of natural, technological and societal disasters, and

WHEREAS, the Town of Grant-Valkaria recognizes the importance of reducing or eliminating these vulnerabilities for the overall good and welfare of the community, and

WHEREAS, the Town of Grant-Valkaria has been an active participant in the Brevard Prepares Local Mitigation Strategy Steering Committee, which has established a comprehensive, coordinated planning process to eliminate or decrease these vulnerabilities, and

WHEREAS, the Town of Grant-Valkaria's representatives and staff have identified, justified and prioritized a number of proposed projects and programs needed to mitigate the vulnerabilities of the Town of Grant-Valkaria to the impacts of future disasters, and

WHEREAS, these proposed projects and programs have been incorporated into the updated 2010 edition of the Brevard Prepares Local Mitigation Strategy Plan that has been prepared and issued for consideration and implementation by the communities of Brevard County.

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF GRANT-VALKARIA, BREVARD COUNTY, FLORIDA, as follows:

Section 1. The Town of Grant-Valkaria hereby accepts and approves of its designated portion of the Brevard Prepares Local Mitigation Strategy Plan.

Section 2. The agency personnel of the Town of Grant-Valkaria are requested and instructed to pursue available funding opportunities for implementation of the proposals designated therein.

Section 3. The Town of Grant-Valkaria will, upon securing such funding or other necessary resources, seek to implement the proposals contained in its section of the plan.

Section 4. The Town of Grant-Valkaria will continue to participate in the Brevard Prepares Local Mitigation Steering Committee to update and expand the Brevard Prepares Local Mitigation Strategy Plan.

Section 5. The Town of Grant-Valkaria will further encourage other businesses, industries and community groups within Brevard to also participate in Brevard Prepares to support the Brevard Prepares Local Mitigation Strategy Plan.

Section 6. This resolution shall take effect immediately upon the enactment date.

PASSED AND ADOPTED BY THE TOWN COUNCIL OF THE TOWN OF GRANT-VALKARIA, BREVARD COUNTY, FLORIDA, ON THIS 8th DAY OF SEPTEMBER, 2010.

TOWN OF GRANT-VALKARIA
BREVARD COUNTY, FLORIDA

(signature on file)

Del Yonts, Mayor

ATTEST:

(signature on file)

Susanne Krueger, Town Clerk

**Brevard County
Brevard Prepares
Local Hazard Mitigation Plan Update**

**Jurisdictional Hazard
Mitigation Plan for the
Town of Grant-Valkaria**

October, 2009

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**Brevard County
Brevard Prepares**

Local Hazard Mitigation Plan Update

Jurisdictional Hazard Mitigation Plan for the Town of Grant-Valkaria

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Introduction

For this update, Grant-Valkaria is a new participant in the Brevard County, Florida, multi-jurisdictional hazard mitigation planning process, which is a cooperative effort to decrease the vulnerability of the county and its municipalities to natural, technological and man-made hazards. This planning effort is being conducted by a committee of jurisdictional representatives called "Brevard Prepares." The original Brevard County Local Hazard Mitigation Plan was issued in 1999, and a major update of the plan was re-issued in June of 2005. This document represents the second major update of the plan, in accord with the requirements of the State of Florida and the Federal Emergency Management Agency (FEMA).

This section discusses the current status of the development and implementation of the Brevard County Local Hazard Mitigation Plan in Grant-Valkaria, and the next steps that will be undertaken to continue the process of making the community less vulnerable to the potential effects of natural, technological and societal disasters or events.

The Town of Grant-Valkaria is in a rural area in south Brevard County that was only incorporated July, 25, 2006, making the town the newest jurisdictional participant in the local mitigation planning process. The town is governed by Brevard County's Comprehensive Plan and Land Use codes that were in effect at time of adoption during the incorporation, and the Florida Building and Fire Codes. ~~FL Building Code, fire and land use codes.~~ (See the attached reports, "**Current Land Uses**", "**Future Land Uses**", and "**Trends in Land Use**".)

The town is slowly-growing area with a population of 3985 whose economic base is residential. However, of the 28 square miles approximately 75% is undeveloped. Future land use is expected to remain about the same as it is currently.

There are several aspects of plan implementation that need to be addressed:

- Disaster events that may have affected the community and identified a vulnerable facility, system, or neighborhood
- Continuing examination of facilities and neighborhoods' vulnerability to disasters
- Review of existing policies, plans or programs so see if there are opportunities to make changes or enhancements that might further the efforts to mitigate potential disasters
- Previously proposed mitigation initiatives that have been implemented, completed, or terminated, and their effect on the community
- Future mitigation actions, priorities for implementation of approved mitigation initiatives now incorporated into the plan, and active pursuit of funding opportunities
- The status of promulgation or formal adoption of the plan by the participating jurisdiction

Hazard Events and Hazard Identification

Recent disaster events can be very helpful in highlighting the mitigation needs of the community based on the type, location or magnitude of the impacts experienced. In

turn, this can be a major factor in the future progress of implementation of the plan, as Brevard Prepares considers and acts on actual disaster experience by the community. Such recommendations can be referred to a “lead” agency with the intention that that organization will use the information to propose additional mitigation initiatives for incorporation into the plan.

Grant-Valkaria reported two recent significant disaster events. (See the attached report, “Hazard Events, by Jurisdiction”.)

The highest ranked hazards for this jurisdiction were High Winds, Flooding and Major Fire-Wildland. The rankings of all potential hazards are found in the reports, “**Hazard Identification by Jurisdiction**”, “**Comparison of Jurisdictional Relative Risk**”, and “**Analysis of Priority Hazards for Grant-Valkaria**”.) While the town official assessed all hazards, many did not rank high enough to provide a positive score and therefore, may not be represented in these reports.

Currently, there are five repetitive flood loss properties within the jurisdiction, as identified by the National Flood Insurance Program. (See the attached reports, “**Identified Repetitive Loss Properties**” and “**Total Estimated Repetitive Losses**” for more details.) Ownership and address information regarding repetitive loss properties is considered confidential, but is available to authorized participants of Brevard Prepares.

Facilities and Neighborhoods

During this planning period, two critical facilities were identified and assessed. These facilities are found in the attached reports, “**Vulnerabilities of Designated Critical Facilities, by Jurisdiction**”, “**Detailed Report on Facility Vulnerability Assessments, by Jurisdiction**”, and “**Facility Vulnerability Assessment Scores, by Jurisdiction**”.

There were no neighborhoods added to the Plan at this time.

With these completed assessments as a starting point, Grant-Valkaria can continue to identify and assess additional critical facilities and neighborhoods, including those with repetitive losses. (See the attached report, “**Percent of Neighborhoods and Facilities Assessed by Jurisdiction**”.) Also, the critical facilities already assessed will be further considered in light of the hazards they are most vulnerable to, and mitigation initiatives developed where considered appropriate.

Mitigation Policies, Plans and Programs

For this update, policies and plans were not reviewed or added to those already identified in the plan. The town is currently relying on the mitigation policies contained within Brevard County’s Comprehensive Plan, Land Use/Zoning Code, Fire/Safety Code, and Florida Building Code. However, efforts were made to identify areas of integration of the Local Mitigation Plan with other plans. Because Grant-Valkaria has adopted Brevard County’s Comprehensive Plan, that linkage is clear. In the future, the town may develop its own Capital Improvements Plan appendix.

The town may wish to identify any other policies or plans that relate to the other high-ranking hazards and document them, or if there are none, to consider where shortfalls may be addressed through non-structural initiatives.

The town is a participant in the NFIP Program. Currently, it has no letter of map change.

Status of Previous Initiatives

The implementation of the mitigation initiatives proposed as a result of Brevard Prepares' planning process is an important measure of the progress in implementation of the Brevard County Local Hazard Mitigation Plan. As the participants in Brevard Prepares are able to implement more and more of the proposed initiatives that have been incorporated into the plan, the facilities, systems and neighborhoods of Brevard County can become more and more resistant to the impacts of future disasters.

Of course, the true measure of progress in the implementation of mitigation initiatives is their effectiveness in saving lives, avoiding property damage and protecting valuable or irreplaceable resources in the community. There will be future opportunities to measure the "success" of Brevard Prepares' mitigation efforts.

Because it is a new participant in Brevard Prepares, Grant-Valkaria has not previously proposed any mitigation initiatives prior to this update.

Future Mitigation Action

Three mitigation initiatives have been proposed during preparation of this update which will be brought to the next Steering Committee meeting. (See the attached report, "**Mitigation Initiatives Currently Proposed.**")

As a part of its future planning process, Brevard Prepares also will periodically review the proposed mitigation initiatives approved for incorporation into the plan to determine their priority for implementation during the next planning period. This assessment will provide guidance to the individual jurisdictions and organizations proposing the initiatives to encourage them to focus on those designated as priority. However, because each participating jurisdiction or organization has independent authority and responsibility for implementation of their proposed mitigation initiatives under the mitigation planning approach used by Brevard Prepares, the jurisdictions and organizations retain the prerogative to act in their own interests, using their own priorities for mitigation initiative implementation.

In many ways, the priority for implementation assigned to propose mitigation initiatives could be considered a suggestion or recommendation to the proposal sponsors to seek the resources for implementation. These resources may range from the normal budgeting process for the jurisdiction or organization, to seeking state or federal financial or technical support for implementation of the initiative. (The designation "priority for implementation" means that Brevard Prepares recommends that sponsors of those initiatives so classified focus on their implementation as soon as feasible.)

Status of Plan Promulgation and Approval

Promulgation and approval of the plan is a very important step in assuring its implementation. This is an "Individual Jurisdictional Mitigation Plan" which contains all of the jurisdiction-specific information developed to date. Included here are numerous

reports based upon data sources developed or coordinated through the efforts of personnel representing the individual jurisdiction participating in the planning process.

It is the expectation of Brevard Prepares that the governing body of each participating jurisdiction will review, consider and act on their Individual Jurisdiction Mitigation Plan in a timely fashion. If the governing body acts in a positive manner, this is basically an approval or endorsement of the proposed mitigation initiatives contained in the corresponding section of the plan. This approval or endorsement, with or without modification by the governing body, represents both consent and commitment by the representatives of that organization or jurisdiction to seek the resources needed to implement the priority initiatives contained therein.

Only through actual implementation of the proposed mitigation initiatives contained in this plan can Brevard County be made a more disaster-resistant community. Plan adoption is also important evidence that Grant-Valkaria is an active participant in the coordinated Local Mitigation Plan effort of Brevard County, and therefore eligible for some types of state or federal funding not available to non-participants.

This action by the Grant-Valkaria Town Council documents approval and endorsement of three fundamental aspects of the Brevard County Local Mitigation Plan: 1) it has approved its own, jurisdiction-specific component of the Brevard County plan, and instructed the participating town agencies and organizations to implement the plan. 2) it documents the town's endorsement of the aspects of the countywide planning process that pertain to all participants, such as approving the mitigation goals and objectives established by Brevard Prepares for the countywide plan. (See the report, "**Goals and Objectives for the Local Mitigation Planning Process**"); and 3) it stipulates that, because of the multi-jurisdictional character of the Brevard County mitigation planning process, Grant-Valkaria has reviewed the mitigation initiatives proposed by other jurisdictions for implementation and has found no reason to object to their implementation or to be concerned regarding mitigation actions planned by the other participating jurisdictions.

The Town of Grant-Valkaria will pursue formal adoption of this plan following review of a draft of the update by the Florida Department of Community Affairs and the Federal Emergency Management Agency and a finding that the update adequately addresses federal requirements.

Summary

Grant-Valkaria has been a new participant in the planning process, conducting hazard analysis, assessing facilities, and proposing further action to mitigate known hazards to critical facilities, in particular. Brevard Prepares recognizes that it will take a long period of time and implementation of many if not all of the proposed initiatives approved for this plan, to make Brevard County a truly disaster-resistant community. However, the continuing dedication to the safety and welfare of the community shown by the participants from Grant-Valkaria in this planning process will make this goal possible.

**Brevard Prepares
Update of the Brevard County Local Hazard Mitigation Plan
October, 2009**

**Jurisdiction-Specific Local Hazard Mitigation Plan
For the
Town of Grant-Valkaria**

REPORTS

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**Brevard County
Brevard Prepares
Current Land Uses and Potential for New Development, by Jurisdiction**

Town of Grant/Valkaria

75 percent of the jurisdiction remains to be developed
21 square miles remain to be developed

Current Land Use Category	Percent of Jurisdiction
Commercial	2%
Industrial	2%
Parks/restricted wild land/wildlife refuge	3%
Residential	15%
Vacant/unused - private ownership	24%
Agricultural	3%
Transportation or utility right-of-way	3%
Other land use	24%
Vacant/unused - government ownership	24%

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**Brevard County
Brevard Prepares
Future Land Uses and General Development Trends, by Jurisdiction**

Town of Grant/Valkaria

The current rate of development of vacant or unused land Little or no development occurring

The current rate of expansion, reconstruction or redevelopment of existing properties:

Very few or no properties

Development/Redevelopment

Currently Controlled By:

A land use plan

A building code

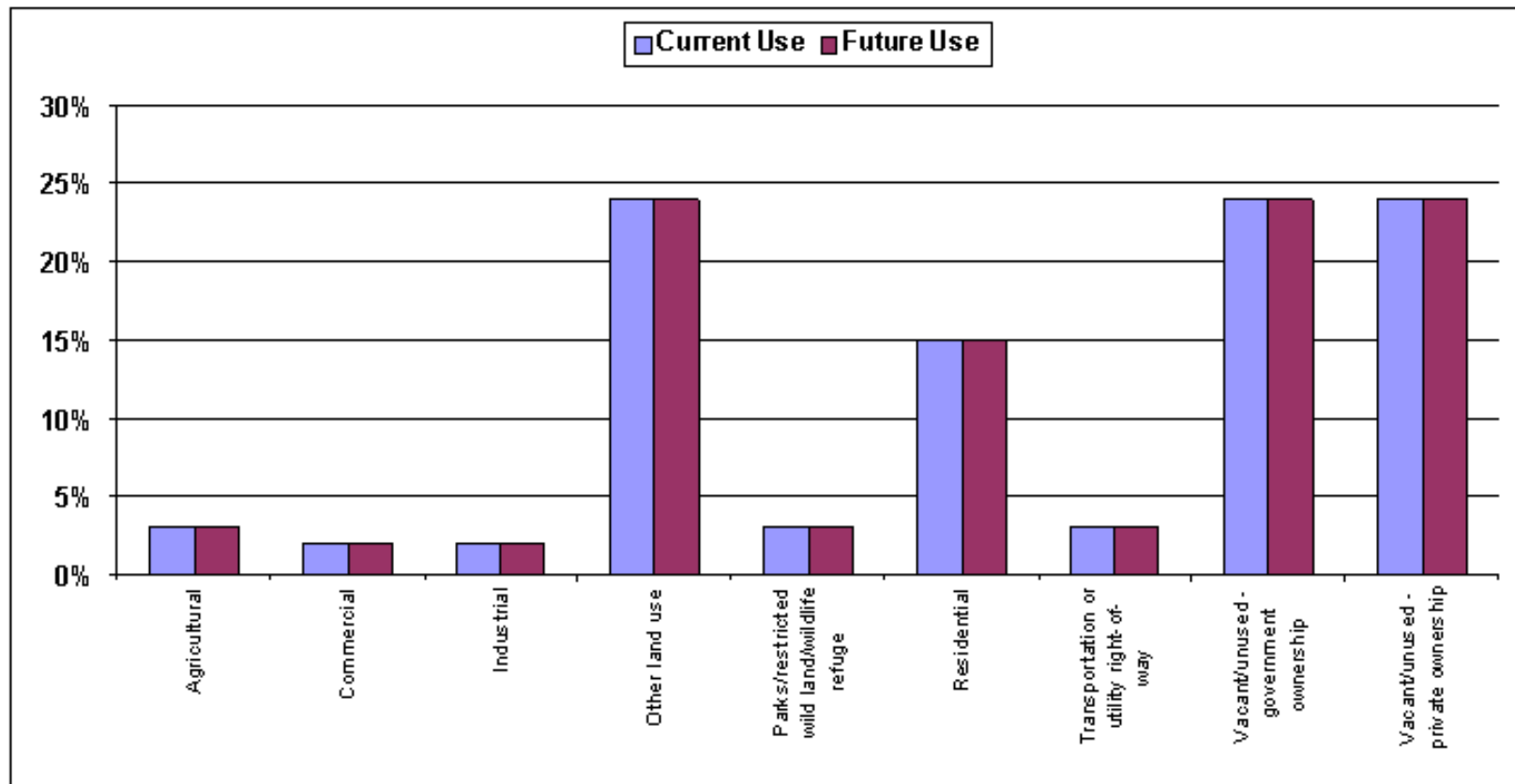
A zoning code

Desired future land uses by the 2020

Future Land Use Category	Percent of Jurisdiction
Commercial	2%
Industrial	2%
Parks/restricted wild land/wildlife refuge	3%
Residential	15%
Vacant/unused - private ownership	24%
Agricultural	3%
Transportation or utility right-of-way	3%
Other land use	24%
Vacant/unused - government ownership	24%

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**Brevard County
Brevard Prepares
Land Use Trends for Grant/Valkaria**



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**Brevard County
Brevard Prepares
Hazard Events By Jurisdiction**

Town of Grant/Valkaria

Event Name/Description	Presidential Disaster No.*	Jurisdiction Included In Declared Area	Primary Hazard	Total Event Cost	Total Number Of Deaths, Injuries, and/ or Illness
Tropical Storm Fay	EM-3288	<input checked="" type="checkbox"/>	High Winds	\$0	0
Fire Management Assistance	2765	<input checked="" type="checkbox"/>	Major Fire -Wildland	\$0	0
Tropical Storm Fay	DR-1785	<input checked="" type="checkbox"/>	Flooding	\$14,209	0
Totals For Jurisdiction:				\$14,209	0

* Blank if event not declared disaster

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**Brevard County
Brevard Prepares
Hazard Identification by Jurisdiction***

Town of Grant/Valkaria

Jurisdiction	Hazard	Impacted Area	Probability of Occurrence	Health & Safety	Property	Environment	Economic	Total Rating
Date of Assessment:								
9/23/2009	High Winds	4	5	2	2	2	2	60
9/23/2009	Flooding	4	5	1	2	1	2	50
9/23/2009	Major Fire -Wildland	4	4	1	2	2	2	44
9/23/2009	Hazardous Materials	1	4	2	2	2	2	36
9/23/2009	Drought	4	4	0	1	2	2	36
9/23/2009	Hail	4	5	0	1	0	2	35
9/23/2009	Storm surge, Tsunami	2	4	1	2	1	2	32
9/23/2009	Lightning	4	5	0	0	1	1	30
9/23/2009	Loss of Electrical Service	4	5	1	0	0	1	30
9/23/2009	Crime	1	5	1	1	0	2	25
9/23/2009	Economic Crisis	4	4	0	0	0	2	24
9/23/2009	Telecommunications	4	4	1	0	0	0	20
9/23/2009	Infestation, Disease	1	4	0	1	2	0	16
9/23/2009	Key Employer Crisis	1	4	0	0	0	2	12
9/23/2009	Loss of Sewer Service	4	2	0	0	0	0	8
9/23/2009	Loss of Water Service	4	2	0	0	0	0	8
9/23/2009	Terrorism	1	1	1	1	1	1	5
9/23/2009	Civil Disturbance	1	1	0	1	1	1	4
9/23/2009	Radiological	1	3	0	0	0	0	3
9/23/2009	Loss of Gas Service	1	1	0	0	0	0	1
9/23/2009	Volcano Activity	0	1	0	0	0	0	0
9/23/2009	Landslide, Erosion	0	1	0	0	0	0	0
9/23/2009	Severe Winter Storm	0	1	0	0	0	0	0
9/23/2009	Subsidence/Expansive Soils	0	1	0	0	0	0	0
9/23/2009	Major Fire - Urban	0	1	0	0	0	0	0
9/23/2009	Earthquake	0	1	0	0	0	0	0
Total Risk Rating for Town of Grant/Valkaria:								479

* Ratings explained at end of report

Impact Area

- 0 No developed area impacted
- 1 Less than 25% of developed areas impacted
- 2 Less than 50% of developed area impacted
- 3 Less than 75% of developed area impacted
- 4 Over 75% of developed area impacted

Property

- 0 No property damage
- 1 Few properties destroyed - few properties damaged
- 2 Few destroyed - many damaged
- 2 Few damaged - many destroyed
- 3 Many properties destroyed and damaged

Probability of Occurrence

- 1 Unknown but rare occurrence
- 2 Unknown but anticipate an occurrence
- 3 100 years or less occurrence
- 4 25 years or less occurrence
- 5 Once a year or more occurrence

Environment

- 0 Little or no environmental damage
- 1 Resources damaged with short term recovery practical
- 2 Resources damaged with long term recovery feasible
- 3 Resources destroyed beyond recovery

Health & Safety

- 0 No Health and Safety impact
- 1 Few injuries/illnesses
- 2 Few fatalities but many injuries/illnesses
- 3 Numerous fatalities

Economic

- 0 No economic impact
- 1 Low direct and/or low indirect costs
- 2 High direct & low indirect costs
- 2 Low direct & high indirect costs
- 3 High direct & high indirect costs

Brevard County Brevard Prepares Comparison of Jurisdictional Relative Risk

Town of Grant/Valkaria

Hazard Category Hazard	Date of Analysis :	Probability of Occurrence	Consequence Ratings*				
			Impacted Area	Health & Safety	Property	Environment	Economic
Natural	Total Natural Hazard Risk Rating: 303						
Lightning	9/23/2009	5	4	0	0	1	1
Drought	9/23/2009	4	4	0	1	2	2
Earthquake	9/23/2009	1	0	0	0	0	0
Flooding	9/23/2009	5	4	1	2	1	2
Hail	9/23/2009	5	4	0	1	0	2
High Winds	9/23/2009	5	4	2	2	2	2
Infestation, Disease	9/23/2009	4	1	0	1	2	0
Landslide, Erosion	9/23/2009	1	0	0	0	0	0
Volcano Activity	9/23/2009	1	0	0	0	0	0
Severe Winter Storm	9/23/2009	1	0	0	0	0	0
Major Fire - Urban	9/23/2009	1	0	0	0	0	0
Major Fire -Wildland	9/23/2009	4	4	1	2	2	2
Subsidence/Expansive Soils 0	Date of Analysis :	9/23/2009	1	0	0	0	0
Storm surge, Tsunami	9/23/2009	4	2	1	2	1	2
Societal	Total Societal Hazard Risk Rating: 70						
Crime	9/23/2009	5	1	1	1	0	2
Terrorism	9/23/2009	1	1	1	1	1	1
Civil Disturbance	9/23/2009	1	1	0	1	1	1
Key Employer Crisis	9/23/2009	4	1	0	0	0	2
Economic Crisis	9/23/2009	4	4	0	0	0	2

* See explanation of ratings at the end of the report.

Hazard Category Hazard	Date of Analysis	Probability of Occurrence	Impacted Area	Consequence Ratings*			
				Health & Safety	Property	Environment	Economic
Technological	Total Technological Hazard Risk Rating: 106						
Telecommunications	9/23/2009	4	4	1	0	0	0
Loss of Electrical Service	9/23/2009	5	4	1	0	0	1
Radiological	9/23/2009	3	1	0	0	0	0
Loss of Water Service	9/23/2009	2	4	0	0	0	0
Loss of Gas Service	9/23/2009	1	1	0	0	0	0
Loss of Sewer Service	9/23/2009	2	4	0	0	0	0
Hazardous Materials	9/23/2009	4	1	2	2	2	2
Total Town of Grant/Valkaria Risk Rating:				479			

Impact Area

- 0 No developed area impacted
- 1 Less than 25% of developed areas impacted
- 2 Less than 50% of developed area impacted
- 3 Less than 75% of developed area impacted
- 4 Over 75% of developed area impacted

Property

- 0 No property damage
- 1 Few properties destroyed - few properties damaged
- 2 Few destroyed - many damaged
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- 3 Many properties destroyed and damaged

Probability of Occurrence

- 1 Unknown but rare occurrence
- 2 Unknown but anticipate an occurrence
- 3 100 years or less occurrence
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- 5 Once a year or more occurrence

Environment

- 0 Little or no environmental damage
- 1 Resources damaged with short term recovery practical
- 2 Resources damaged with long term recovery feasible
- 3 Resources destroyed beyond recovery

Health & Safety

- 0 No Health and Safety impact
- 1 Few injuries/illnesses
- 2 Few fatalities but many injuries/illnesses
- 3 Numerous fatalities

Economic

- 0 No economic impact
- 1 Low direct and/or low indirect costs
- 2 High direct & low indirect costs
- 2 Low direct & high indirect costs
- 3 High direct & high indirect costs

**Brevard County
Brevard Prepares
Analysis of Priority Hazards for Town of Grant/Valkaria**

The highest priority hazards for Town of Grant/Valkaria have been identified as the following:

Hazard	Vulnerability Score	Hazard	Vulnerability Score
High Winds	60	Flooding	50
Major Fire -Wildland	44	Hazardous Materials	36
Drought	36	Hail	35
Storm surge, Tsunami	32	Lightning	30
Loss of Electrical Service	30	Crime	25
Economic Crisis	24	Telecommunications	20
Infestation, Disease	16	Key Employer Crisis	12
Loss of Sewer Service	8	Loss of Water Service	8
Terrorism	5	Civil Disturbance	4
Radiological	3	Loss of Gas Service	1

There have been 2 critical facilities identified for this jurisdiction.

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**Brevard County
Brevard Prepares
Identified Repetitive Loss Properties, by Jurisdiction**

Town of Grant/Valkaria

Property	Street	City	State	Zip	Hazard Agent							
					Flood Storm Surge	Wind	Earthquake	Volcanic Activity	Erosion or Landslide	Wild Fire	Criminal Act	Other Hazard
Confidential <i>-Local Property ID: 0135062</i>	Confidential	Grant-Valkaria	FL	32949-	<input checked="" type="checkbox"/>							
Confidential <i>-Local Property ID: 0130889</i>	Confidential	Grant-Valkaria	FL	32949	<input checked="" type="checkbox"/>							
Confidential <i>-Local Property ID: 0136575</i>	Confidential	Grant-Valkaria	FL	32949-	<input checked="" type="checkbox"/>							
Confidential <i>-Local Property ID: 0140008</i>	Confidential	Grant-Valkaria	FL	32949	<input checked="" type="checkbox"/>							
Confidential <i>-Local Property ID: 0104249</i>	Confidential	Grant-Valkaria	FL	32950	<input checked="" type="checkbox"/>							

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**Brevard County
Brevard Prepares
Total Estimated Repetitive Losses per Property, by Jurisdiction**

Town of Grant/Valkaria

Property	Local Property ID	Street	City	Total Estimated Losses, if known
Confidential	0140008	Confidential	Grant-Valkaria	\$57,156
Confidential	0136575	Confidential	Grant-Valkaria	\$55,766
Confidential	0130889	Confidential	Grant-Valkaria	\$23,217
Confidential	0104249	Confidential	Grant-Valkaria	\$9,595
Confidential	0135062	Confidential	Grant-Valkaria	\$113

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**Brevard County
Brevard Prepares
Vulnerabilities of Designated Critical Facilities, by Jurisdiction**

Town of Grant/Valkaria

Facility Name: Valkaria Airport	Primary Vulnerabilities*
Facility Address: 2865 Greenbrooke St	Hail
City: Malabar <u>Grant/Valkaria</u>	Lightning
Zip Code: 32950-	

* Categories with a vulnerability rating of 3

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Brevard County Brevard Prepares Detailed Report on All Facility Vulnerability Assessments, by Jurisdiction

Vulnerability Criteria*										
Subject to High Winds	Vulnerability to Earthquake	Subject to Volcanic Activity	Vulnerable to Lightning	Dependent on Communications	Disruption Causes Psychological Hardship	Environmental Problems could occur	Hazardous Materials	Vulnerable to Drought	Vulnerable to Terrorist Attack	Vulnerable to Civil Disorder
Vulnerability to Flooding	History of Damage	Vulnerable to Winter Storms	Vulnerable to Roadway Blockage	Vulnerable to Sewer System Outage	Disruption would have Economic Impact	Facility has Historic Value	Subject to Major Urban or Wildland Fire	Vulnerable to Hail Storm	Subject to Employment Crisis	
Vulnerability to Storm Surge or Tsunami	Subject to Earth Movement/loss	Vulnerable to Power Outage	Dependent on Water Supply	Disruption Creates Health & Safety Hazard	Disruption Impacts Community Services	Facility Impacts Agriculture	Subject to a Radiological Accident	Subject to Expansive Soils	Vulnerable to Disease Outbreak	

Town of Grant/Valkaria

Town Hall			4240 US HWY 1		Grant/Valkaria					
2	0	0	1	1	1	0	0	0	0	0
2	0	0	1	0	0	0	0	0	0	
0	0	0	0	0	3	0	0	0	0	
Valkaria Airport			2865 Greenbrooke St		Malabar Grant/Valkaria					
2	0	0	3	0	0	0	0	0	0	0
0	0	0	0	0	0	1	1	3	0	
0	0	2	0	0	0	0	0	0	0	

* Ranking explanation provided at the end of report
This report shows only facilities which have been assessed

Definition of vulnerability criteria

Vulnerability Category	Vulnerability Criteria	Vulnerability Criteria Definition
Subject to High Wind	0	Facility is not vulnerable due to construction type, roof configuration and wall opening size or protection; no nearby trees
	1	Wall opening size/lack of protection may cause window/door failure and/or with few nearby trees; nonessential external equipment not vulnerable.
	2	Vulnerable due to wall opening size/lack of protection, roof configuration, and/or several nearby trees; essential external equipment is vulnerable
	3	Very likely to be damaged or destroyed in a high wind, because it is a mobile or fragile structure or wall openings and can be expected to fail.
Vulnerable to Flooding	0	The structure is known to not be located in a flood plain or flood prone area
	1	Structure is in a flood plain or flood prone area but has no prior history of flood damage
	2	Structure is in a flood plain or flood prone area and has experienced some limited flood damage in the past
	3	Structure is in a flood plain or flood prone area and has experienced significant flood damage, or the property is an NFIP repetitive loss property.
Vulnerable to Storm Surge or Tsunami	0	Structure is known to not be located in a storm surge or tsunami inundation area
	1	Structure is located in a storm surge area for a Category 4 or 5 hurricane, or is located at the edge of a designated tsunami risk zone
	2	Located in a storm surge zone for a Category 3 hurricane or is located just inside a designated tsunami risk zone, but has no prior damage
	3	Located in a Category 1 or 2 hurricane surge zone, or well inside a designated tsunami risk zone, or has experienced prior surge/tsunami damage
History of Damage	0	The facility has no history of damage from any type of disaster or major emergency.
	1	The facility has experienced damage or loss of function costing less than \$10,000 from a single disaster episode in the past.
	2	The facility has experienced damage or loss of function costing more than \$10,000 from a single disaster episode in the past
	3	The facility has had more than one episode with total damage or loss of function costing more than \$10,000, or is a NFIP repetitive loss property
Vulnerable to Earth Movement/loss	0	Facility is located on a site not considered vulnerable to landslide, erosion or avalanche
	1	Facility is on sloping or waterside site with moderate vulnerable to landslide or erosion, and/or is near but not in an avalanche runout zone
	2	On a sloping/waterside site with soils prone to landslide or erosion, and/or is in potential avalanche runout zone; with no history of damage
	3	On a sloping or waterside site highly vulnerable to landslide or erosion, is in a predicted avalanche runout zone, or has history of such damage
Vulnerability to Power Outage	0	Facility is not vulnerable to electricity or gas outage and other utilities would still function, or, it has a standby generator and/or gas supply
	1	Facility could be damaged by electricity or gas outage, and onsite electric generator or standby gas supply can only support limited operations.
	2	Dependent on continuing electricity or gas supply, and damage or loss of function to the facility itself could occur.
	3	Dependent on electricity or gas supply, and loss of function would causes large community economic losses or health/safety risks.
Vulnerable to Lightning	0	The facility is not uniquely vulnerable to lightning strike or has been equipped with lightning protection
	1	Facility position and/or height makes it somewhat vulnerable, but there is no history of damage or loss of operation from any past

		events
	2	Facility position and/or height makes it clearly vulnerable to lightning, and has a history of structure and/or contents damage or loss of function
	3	Facility position and/or height makes it clearly vulnerable to lightning, and past damage/ disruption caused significant economic or safety impacts
Vulnerable to Roadway Blockage	0	Facility has multiple access/egress routes or has a protected single route without adjacent trees, power lines, or flood prone areas
	1	Facility has single route of access/egress with some adjacent trees, power lines, or areas that flood in severe rainstorms.
	2	Has single access route with many adjacent trees, power lines, or areas flooding moderate rainfall, or blockage causes large facility costs
	3	Has single access route with numerous adjacent trees, power lines, or that floods routinely, or blockage would cause large community costs
Dependent on Water Supply	0	The facility can maintain operations without its normal water supply for at least 72 hours
	1	The facility would have to curtail operations somewhat without its normal water supply, with some limited economic consequences
	2	The facility would have to stop operations without its normal water supply, with significant economic or potential health and safety consequences.
	3	The facility must not lose its normal water supply or serious health and safety consequences will occur
Vulnerable to Sewer System Outage	0	The facility can maintain operations without sewer service
	1	The facility would have to curtail operations somewhat without sewer service, with some limited economic consequences
	2	The facility would have to stop operations without sewer service, with significant economic consequences
	3	The facility must not lose its sewer service or serious health and safety consequences will occur
Dependent on Communications	0	Operation of this facility would not be significantly curtailed by a communications system failure
	1	Communications system failure would require facility operations to be curtailed with a moderate economic loss to the facility
	2	Communications system failure would require facility operations to stop with a significant economic loss to the facility
	3	Communications system failure would halt operations with a significant economic loss to the community and/or would endanger health/safety
Disruption would Cause a Health and Safety Hazard	0	Disruption of facility operations has no effect on health and safety in the surrounding areas or the community
	1	Disruption of facility operations has the potential to cause minor health/safety impact on adjacent populated areas but not the community
	2	Disruption of operations would have a health/safety impact on adjacent populated areas or would have a moderate effect on the community
	3	Disruption of facility operations immediately endangers adjacent populated areas or has a substantial community health and safety impact
Disruption would cause Psychological Damage	0	Damage/disruption of facility operations would be largely unnoticed in normal community activities, and no psychological hardship would result
	1	Damage/disruption of facility operations would prevent or disrupt 1 or 2 important community activities and would be noticed occasionally
	2	Damage/disruption of facility operations would prevent or disrupt several valuable activities and would be noticed on a daily basis
	3	Disruption of operations would prevent or disrupt numerous activities and would require significant changes in community life style
Disruption would have Economic Impact	0	The facility has no significant financial or employment relationship to the community
	1	A mid-sized employer and is one of many in the community, and is only slightly responsible for direct/indirect community revenue
	2	A large employer, providing 10% or more of the community's jobs, or is responsible for up to 25% of direct/indirect community revenue

	3	Provides more than 50% of the community's jobs, or is responsible for nearly all of the direct/indirect community revenue generated
Disruption impacts Community Services	0	The facility does not provide any significant community service or products used by the community
	1	Provides services/products frequently used by the community and disruption of operations would cause significant public inconvenience
	2	Provides important services/products needed continually and disruption of facility operations could cause health/safety impacts
	3	Provides critically needed services or products on a daily basis and disruption of facility operations would cause health and safety impacts
Environmental Problems would Occur	0	Damage to the facility or disruption of operations would not have any significant impact on the natural environment
	1	Facility damage/disruption would release materials that would have short-term effect on the natural environment of adjacent areas
	2	Releases from damage/disruption would have short-term effect on valuable adjacent resources or a long-term effect on the adjacent environment
	3	Releases from damage/disruption would have long-term effect on valuable adjacent resources, or irreparably harm the adjacent environment
Facility has Historic Value	0	The facility has no historic or cultural value
	1	Facility may have historic value if investigated, or damages to the facility or contents could be repaired without compromise to the that value
	2	Known to have historic value, or damages to the facility or contents could not be repaired without some compromise to its historic value
	3	Facility is officially listed as a historic site, or damages to the facility or its contents would irreparably harm its historic or value
Facility Impacts Agriculture	0	Damage to the facility or disruption to its operations would have no impact on agricultural activities in the community
	1	Damage/disruption to facility operations would cause agricultural activities to be temporarily disrupted with a minor economic loss
	2	Damage/disruption to facility operations would cause agricultural activities to be significantly disrupted and cause a large economic loss
	3	Damage/disruption to facility operations would cause agricultural activities to be disrupted for a full season or more, closing related enterprises
Facility disruption would cause a hazardous materials incident	0	Facility is not a hazmat site, and is not located within 0.5 miles of a designated hazmat site, major highway, or railroad
	1	Facility has potential hazmats onsite below reporting volumes, or is within 0.25 miles of a designated hazmat site, major highway or railroad
	2	The facility is designated as a hazmat site, or is located adjacent to a designated hazmat site, major highway or railroad
	3	Facility is a hazmat site with extremely hazardous substances, or the facility has either caused or experienced a damaging hazmat accident
Facility is vulnerable to a major fire	0	Meets the current fire code, has adequate separation from other structures and good access, and is not close to heavily vegetated areas
	1	Meets the current code, is not close to heavily vegetated areas, but access and/or separation from nearby structures increase fire risk
	2	Does not meet current fire code, is in/adjacent to large vegetated areas, and has inadequate access and/or separation from other structures
	3	Does not meet the current code, is in/adjacent to vegetated areas, with access limitations/structure separation make fire suppression difficult
Vulnerability to Earthquakes	0	The facility is not located in an area considered to have any significant risk of earthquake
	1	In an area considered as low earthquake risk or has been constructed/retrofitted to comply with the current earthquake building codes
	2	In an area considered as moderate earthquake risk and has not been constructed/ retrofitted to comply with the current

		earthquake codes.
	3	In an area considered as high earthquake risk and has not been constructed/retrofitted to comply with the current earthquake codes
Subject to Earthquake	0	Facility is not located in or near an area with significant risk from volcanic activity
	1	In or near an area that could receive some ashfall, but has no structural features, equipment or operations considered vulnerable to ash
	2	Facility is located in or close to an area where heavy ashfall or debris flow could occur.
	3	Facility is located in an area known to have experienced heavy ashfall, debris flow or blast effects from past volcanic activity
Vulnerable to Winter Storms	0	The facility would not suffer any damage or operational disruption from a winter storm
	1	The facility could suffer some damage or minor operational disruption from a winter storm
	2	The facility has suffered damages or significant operational disruption from past winter storms
	3	Facility has suffered damages or significant disruption from past storms which has had serious community economic or health consequences
Subject to a Radiological Accident	0	The facility is not located within 50 miles of a nuclear power plant and is not within 1 mile of an interstate highway or railroad
	1	The facility is located between 10 and 50 miles of a nuclear power plant or is within 1 mile of an interstate highway or railroad
	2	The facility is located between 2 and 10 miles from a nuclear power plant, or is within 0.5 miles of an interstate highway or railroad
	3	The facility is located within 2 miles of a nuclear power plant or is adjacent to an interstate highway or railroad
Vulnerable to Drought	0	The facility is served by a water supply that is known to be adequate under drought conditions
	1	The facility is served by a water supply that is likely to fail under severe drought conditions
	2	The facility is served by a water supply that is likely to fail under moderate drought conditions
	3	Facility's water supply is predicted to fail under moderate drought conditions or significant water supply problems have been experienced
Vulnerable to Hail Storm	0	The construction of the facility has no surfaces or equipment that are likely to be damaged by large hail
	1	The facility has equipment or surfaces that could be damaged by large hail, but operation of the facility would not be disrupted
	2	The facility has equipment or surfaces that would be damaged by large hail, and operation of the facility may be disrupted
	3	Facility's equipment/surfaces would be damaged by large hail, and operations would be disrupted, or, it has significant past hail damage
Vulnerable to Disease Outbreak	0	Infestation or disease outbreak are not related in any way to the facility
	1	Facility operations could contribute to the spread of an infestation or disease that originated elsewhere
	2	The facility could be the source of an infestation or disease outbreak under unusual or unexpected conditions
	3	The facility could be the source of an infestation or disease outbreak under normal operational circumstances
Subject to Expansive Soils	0	The facility is not located over geologic formations with any potential for subsidence and the site is in an area free of expansive soils.
	1	Over formations with limited potential subsidence or expansive soils may be present, and there is no previous damage from these hazards
	2	Over formations of known potential for subsidence or site is likely to have expansive soils, but there is no history of this type of damage
	3	Over formations of known potential for subsidence or the site has expansive soils and there is a history in the area of this type of damage
Vulnerable to Civil Disorder	0	Facility is in an area with no economic or political indicators of a potential for civil disorder and the area has never experienced an episode
	1	Facility is in an area with limited economic or political indicators of a potential for civil disorder, although the area has never had an episode
	2	In an area with widespread economic or political indicators of a potential for civil disorder, although the area has never had an

		episode
	3	In an area with widespread economic or political indicators of a potential for civil disorder, and the area has experienced at least one episode
Vulnerable to Terrorist Attach	0	Facility is not considered to be a terrorist target and is not located in close proximity to a facility that is considered to be a terrorist target
	1	The facility can be considered a possible target for a terrorist attack, or has a target vulnerability rating of between 1 and 6
	2	The facility should be considered as a target for terrorist attack, or has a target vulnerability rating of between 6 and 9
	3	The facility is considered to be at high risk for a terrorist attack, or has a target vulnerability rating of more than 10
Subject to Employment Crisis	0	Strikes/work stoppage at the facility are illegal or would not significantly affect its operations or cause significant community consequences
	1	Strikes/ work stoppage at the facility would curtail facility operations with a small financial impact on the community
	2	Strikes/work stoppage at the facility would halt facility operations with a moderate financial impact on the community
	3	Strike or work stoppage at the facility would halt operations with a major financial or health/safety impact on the community

**Brevard County
Brevard Prepares
Facility Vulnerability Scores, by Jurisdiction**

Town of Grant/Valkaria

Facility	Facility	City	Total Vulnerability Score
Town Hall	4240 US HWY 1	Grant/Valkaria	11
Valkaria Airport	2865 Greenbrooke St	Malabar <u>Grant/Valkaria</u>	12

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**Brevard County
Brevard Prepares
Critical Facilities Identified, by Jurisdiction**

Town of Grant/Valkaria

Facility Name or Designation	Facility Owner	Facility	Street or Location Description	City	State	Zipcode	GIS Coordinates	
							Latitude	Longitude
Valkaria Airport	Brevard County	Transportation facility	2865 Greenbrooke St	Malabar	FL	32950-4760		

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**Brevard County
Brevard Prepares
Percent of Neighborhoods and Facilities Assessed by Jurisdiction**

Jurisdiction	Total Neighborhood	% Neighborhoods Assessed	Total Facilities	% Facilities Assessed
Town of Grant/Valkaria	10	0.0%	2	100.0%

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**Brevard County
Brevard Prepares
Mitigation Initiatives Currently Proposed***

Town of Grant/Valkaria

Sponsoring	Initiative	Date Approved by Steering Committee
Town Hall	BRV-0785 Emergency radios	
Town Hall	BRV-0784 Stormwater Master Plan	
Town Hall	BRV-0786 Town Hall	

Total Initiatives In Plan: 3

* Regardless of approval status, if any

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Brevard County
“Brevard Prepares”
Goals and Objectives for the Local Mitigation Planning Process

- 1. The disaster-resistant economy will be strengthened**
 1. Local government will establish programs, facilities and resources to support business resumption activities by impacted local businesses and industry
 2. Local government emergency response and disaster recovery plans will appropriately consider the needs of key employers in the community
 3. Local government will encourage community businesses and industries to make their facilities and operations disaster resistant
 4. Components of the infrastructure needed by the community’s businesses and industries will be protected from the impacts of disaster

- 2. Local government in partnership with the community will continue to develop, implement and maintain effective mitigation programs**
 1. The capability to effectively utilize data and information related to mitigation planning and program development including “lessons learned”
 2. The effectiveness of mitigation initiatives implemented in the community will be measured
 3. Outreach programs to gain participation in mitigation programs by business, industry, institutions and community groups will be developed/implemented
 4. The community’s public and private sector organizations will partner to promote hazard mitigation programming throughout the community
 5. Local elected governing bodies will promulgate the local mitigation plan and support community mitigation

- 3. The health, safety and welfare of our disaster-resistant community will be maintained**
 1. Local governments will establish and enforce building and land development codes that are effective in addressing the hazards
 2. Land use policies, plans and regulations will discourage or prohibit inappropriate location of structures or infrastructure
 3. Local government will ensure that hazard mitigation needs and programs are given appropriate emphasis
 4. Regulations will be established and enforced to ensure that public and private property maintenance is consistent with minimizing vulnerabilities to disaster
 5. Designated evacuation routes will be relocated, retrofitted or modified to remain open before, during and after disaster events, and vehicle access routes to key
 6. The potential for infrastructure system failure because of or during a disaster will be minimized through routine maintenance
 7. Local government will support key employers in the community in the implementation of mitigation measures for their facilities and systems
 8. Facilities in the community posing an extra health or safety risk when damaged or disrupted will be made less vulnerable to the impacts of a disaster
 9. Programs for removal, relocation or retrofitting of vulnerable structures and utilities in hazard areas will be established and implemented
 10. There will be adequate resources, equipment and supplies to meet victims’ health and safety needs after a disaster
 11. Adequate systems for notifying the public at risk and providing emergency instruction during a disaster will be available
 12. Local governments will protect high hazard natural areas from new or continuing development
 13. Local jurisdictions will participate fully in the National Flood Insurance Program and the associated Community Rating System
 14. Reconstruction and rehabilitation of structures and utilities in the community will incorporate appropriate hazard mitigation techniques

- 4. Public education will be enhanced to increase the level of disaster awareness**
 1. The community will be periodically updated regarding local efforts in mitigation planning and programming
 2. The owners and operators of businesses and industries in the community will be knowledgeable in appropriate techniques
 3. Managers of public facilities will be knowledgeable in hazard mitigation techniques and the components of the community’s mitigation plan
 4. All interested individuals will be encouraged to participate in hazard mitigation planning and training
 5. The public living or working in defined hazard areas will be aware of that fact, understand their vulnerability and know appropriate techniques
 6. Education programs in risk communication and hazard mitigation will continue to be established and implemented

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