# Health Care General & Domestic Security Joint Committee Meeting

**Wednesday, October 19, 2005**
**4:00 PM – 6:00 PM**
**Morris Hall**

## COMMITTEE MEETING PACKET

**Sandra Adams**
**Domestic Security, Chair**

**Gayle B. Harrell**
**Health Care General, Chair**

# Committee Meeting Notice

## HOUSE OF REPRESENTATIVES

**Speaker Allan G. Bense**

## Health Care General Committee

| | |
|---|---|
| **Start Date and Time:** | Wednesday, October 19, 2005 04:00 pm |
| **End Date and Time:** | Wednesday, October 19, 2005 06:00 pm |
| **Location:** | Morris Hall (17 HOB) |
| **Duration:** | 2.00 hrs |

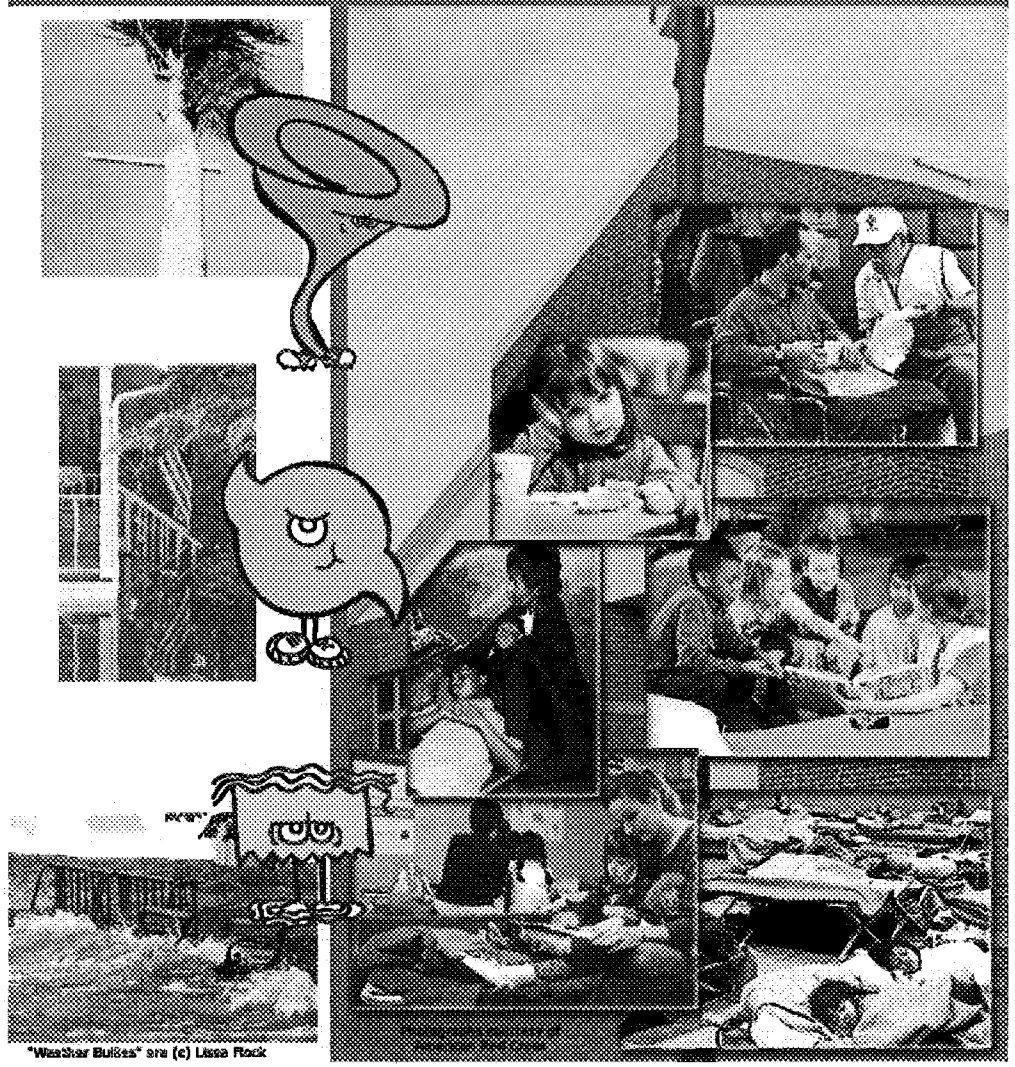
The Health Care General Committee along with the Domestic Security Committee will meet jointly for an Overview of State and Local Hurricane/Disaster Preparedness and Response.

Presentations by:
Department of Community Affairs Division of Emergency Management
Department of Health
Agency for Health Care Administration
Department of Elder Affairs
Charlotte and Escambia Health Departments
Charlotte, Escambia, Martin, Miami-Dade, and Orange County Emergency Management Officials

**NOTICE FINALIZED on 10/07/2005 14:01 by RANDOLPH.CHERYL**

# STATE OF FLORIDA
# 2004 Statewide Emergency Shelter Plan

Department of Community Affairs
Division of Emergency Management



"Weather Bullies" are (c) Lissa Rock

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## EXECUTIVE SUMMARY

Annually the State of Florida is subject to the potentially catastrophic impact of a major hurricane striking a heavily-populated area anywhere in the state. Shelter surveys and evacuation studies have determined that significant hurricane shelter space deficits exist in nearly all regions of the state. These regional deficits can have a significant impact on the ability of local agencies to protect citizenry when a major hurricane threatens or strikes Florida.

Pursuant to section 1013.372(2), Florida Statutes, the Department of Community Affairs (the Department) is responsible for preparing a *Statewide Emergency Shelter Plan* (the Plan) to guide local planning and provide consultative assistance with the construction of educational facilities to provide public shelter space. The purpose of this Plan is to meet the statutory responsibility outlined in section 1013.372(2), Florida Statutes. The Plan is prepared and submitted for approval on a biennial basis and, once approved by the Governor and Cabinet, will determine which regions and counties will need to construct new school facilities that must comply with the public shelter design criteria. In accordance with the statute, the Plan must:

- Identify the general location and square footage of existing shelters by Regional Planning Council regions;
- Identify the general location and square footage of needed shelters by Regional Planning Council regions for the next five years;
- Identify the types of facilities which should be constructed to comply with the public shelter design criteria; and
- Recommend an appropriate and available source of funding for the additional cost of constructing emergency shelters within those public facilities.

Table EX-1 provides a regional summary of 2004 and 2009 regional hurricane shelter space demands, capacities and their respective statuses as regions with a surplus or deficit. At this time, only the South Florida Regional Planning Council (RPC) region (i.e., RPC 11) has a surplus of hurricane shelter space. RPC 11 includes Broward, Miami-Dade and Monroe counties. Based upon currently available information, RPC 11's surplus will continue through 2009. All other regions have hurricane shelter space deficits, and per section 1013.372(1), Florida Statutes, their district school boards, community colleges and universities are required to construct all new educational facilities in compliance with the public shelter design criteria.





**Table EX-1.**
**Regional Summaries of Hurricane Shelter Demand, Capacities, and Deficits/Surpluses**

| Region Number | Region Name | 2004 Hurricane Shelter Demand, spaces | 2004 Hurricane Shelter Capacity, spaces | 2004 Hurricane Shelter Surplus/ (Deficit), spaces | 2009 Hurricane Shelter Demand, spaces | 2009 Hurricane Shelter Surplus/ (Deficit), spaces |
|---|---|---|---|---|---|---|
| 1 | West Florida (WF) | 59,986 | 38,643 | (21,343) | 66,073 | (27,430) |
| 2 | Apalachee (APAL) | 25,673 | 8,961 | (16,712) | 27,806 | (18,845) |
| 3 | North Central Florida (NCF) | 33,287 | 21,421 | (11,867) | 36,699 | (15,279) |
| 4 | Northeast Florida (NEF) | 76,165 | 33,338 | (42,827) | 84,417 | (51,079) |
| 5 | Withlacoochee (WITH) | 73,451 | 18,290 | (55,161) | 82,958 | (64,668) |
| 6 | East Central Florida (ECF) | 91,849 | 74,773 | (17,076) | 103,398 | (28, 259) |
| 7 | Central Florida (CF) | 99,636 | 22,945 | (76,691) | 109,311 | (86,366) |
| 8 | Tampa Bay (TB) | 370,049 | 161,516 | (208,554) | 398,406 | (236,891) |
| 9 | Southwest Florida (SWF) | 237,808 | 68,765 | (169,043) | 273,125 | (204,360) |
| 10 | Treasure Coast (TC) | 63,742 | 61,154 | (2,588) | 72,845 | (11,691) |
| 11 | South Florida (SF) | 104,723 | 132,613 | 27,890 | 114,835 | 17,779 |
| | Totals: | 1,236,369 | 643,719 | (592,650) | 1,369,872 | (726,153) |

The types of public facilities that should be constructed to comply with the public shelter design criteria include all facilities that are subject to be used as public hurricane shelters under the authority of section 252.385(4)(a), Florida Statutes; that is, public schools, community colleges, universities, and other facilities owned by state and local governments. When appropriately located, designed and constructed, the following types of facilities are normally considered suitable for use as public hurricane shelters:

> Community and civic centers, meeting halls, gymnasiums, auditoriums, cafeterias and open floor multipurpose facilities, exhibition halls, sports arenas, field houses, conference and training centers, certain classroom buildings, and other public assembly facilities.

Certain other types of facilities may be inappropriate for use as public shelters due to location (e.g., Category 1, 2 or 3 hurricane evacuation zone, flooding isolation, hazardous materials, low evacuation demand, etc.), size (e.g., less than 2,000 square feet of usable floor area, etc.), or other characteristics (e.g., incompatibility of facility's normal use or availability with mass care function, long-range planning considerations, etc.)

District school boards have generally been reporting that the construction cost premium for incorporating the criteria is about two to six percent. This is a relatively small, but not necessarily insignificant, cost that must be borne by state and local agencies. Therefore, s. 1013.372(2), F.S. requires that the Department recommend an appropriate and available source of funding for the additional cost of constructing emergency shelters. There is no dedicated state source of funding to support new hurricane shelter construction, so the Department recommends use of existing state capital outlay funds.

The only significant and appropriate funding source available at this time for public schools, community colleges and universities is Public Education Construction Outlay (PECO) funds. These funds are earmarked for site acquisition and improvements necessary to accommodate buildings, equipment, and other structures of district school boards, community colleges and universities. Therefore, the Department recommends PECO funds, which are an appropriate and available source of state funding. From time to time, other federal and state mitigation-related funds may be available to support the construction cost premium for improving hurricane resistance **above** minimum code requirements for new facilities. However, the mitigation funds are not considered normally "available" for most new construction projects, since their grant cycles are often associated with disaster declarations.

The Department's Division of Emergency Management (the Division) has statutory responsibility and authority to administer a statewide program to eliminate the deficit of "safe" hurricane shelter space. To ensure consistency with state and national standards, guidelines and "best practices," the Division has recognized *Standards for Hurricane Evacuation Shelter Selection* (ARC 4496) as the minimum hurricane shelter survey and evaluation criteria. Therefore, at a minimum, meeting ARC 4496 criteria is a





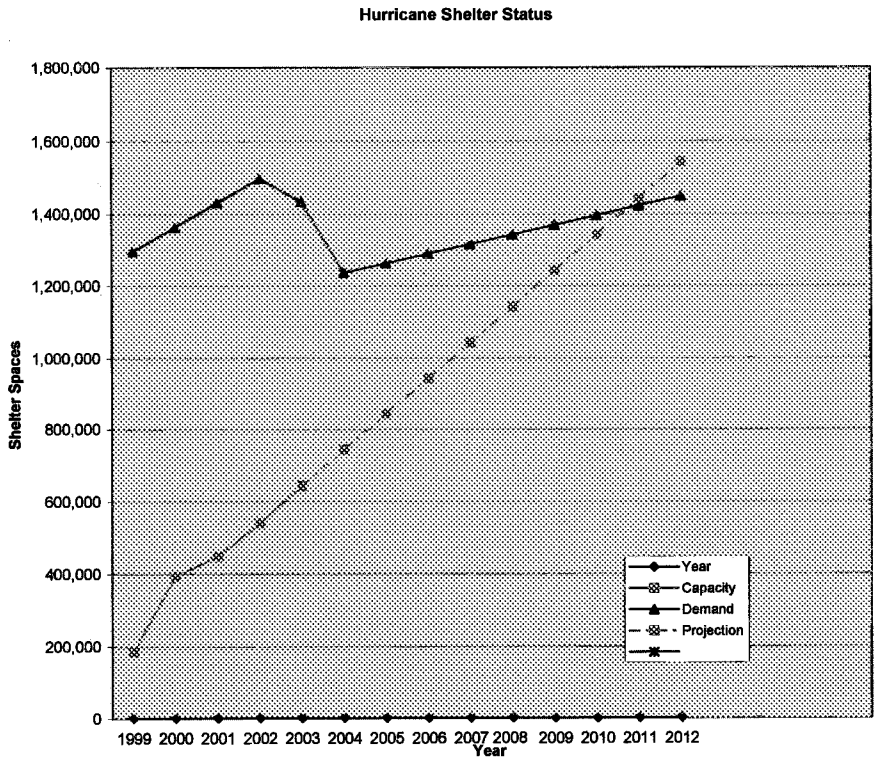
required condition for a public facility to be described as "safe", "suitable" or "appropriate" for use as a public hurricane shelter. To accomplish this objective, the Division has implemented a multifaceted program. This program includes: 1) survey of existing buildings, both public and private, to identify suitable shelter capacity; 2) where cost effective (and practical), support mitigation and retrofitting of existing facilities to increase shelter capacity; 3) construction of new facilities to meet the public shelter design criteria; 4) shelter demand reduction through improved hurricane hazard models and behavioral studies; and, 5) improve public information/education to reduce unnecessary "shadow" evacuations.

Cumulatively, since 1995, the Division's hurricane shelter survey and retrofit program has identified, created or otherwise documented about 434,000 hurricane shelter spaces that meet ARC 4496 guidelines. Public school new construction programs have created an additional 209,654 hurricane shelter spaces. Therefore, by the 2004 hurricane season, Florida will have a total of about 643,719 shelter spaces that meet ARC 4496 guidelines. The demand for hurricane shelter space has also been significantly reduced over the past five years due to improvements in public information, storm hazard models and more accurate census data. Since 2000, Florida's deficit of hurricane shelter space has been reduced by at least 50 percent, and the Division estimates that about 100,000 spaces will be added to the state's inventory each year. As can be seen in Figure EX-1, the Department estimates that the hurricane shelter space deficit may be eliminated by 2011.

Since publication of the *2000 Statewide Emergency Shelter Plan*, Florida now has 12 counties with demonstrable surpluses of hurricane shelter space. The counties with surpluses include Brevard, Broward, Escambia, Gilchrist, Indian River, Madison, Miami-Dade, Martin, Osceola, Seminole, Union and Washington. Also, for the first time in recent history, Florida has a region with a demonstrable surplus of hurricane shelter space. RPC 11, which includes Broward, Miami-Dade and Monroe counties, has a surplus of hurricane shelter space.

As Florida's hurricane vulnerable population continues to grow, it is vitally important that construction of hurricane shelters and retrofitting of existing buildings be considered a priority. If this state is to meet its goal of eliminating the hurricane shelter space deficit, the incorporation of the public shelter design criteria into new construction, retrofitting of suitable existing buildings and continued use of new technologies must continue to be accomplished. The overall result of full implementation of the Department's shelter deficit reduction strategy is a greater level of preparedness, a more efficient capability for responding to incidents and a greater ability to meet the needs of disaster victims.

**Figure EX-1. Projected Hurricane Shelter Deficit Reduction**








# 1.0 INTRODUCTION

## 1.1 Purpose of Statewide Emergency Shelter Plan

Pursuant to section 1013.372(2), Florida Statutes (F.S.), the *Statewide Emergency Shelter Plan,* hereafter referred to as the Plan, is prepared and submitted to the Governor and Cabinet for approval. The Plan provides information on existing and long-term hurricane evacuation shelter space requirements. This information is then used by district school boards, community college boards of trustees, university boards of trustees and emergency management agencies in planning for the construction of new educational facilities to comply with the public shelter design criteria. "Board," unless otherwise specified, means a district school board, a community college board of trustees, and a university board of trustees.

This Plan, once approved, will determine which regions and counties are required to construct new educational facilities to comply with the public shelter design criteria. The Plan includes: the general location and square footage of existing shelters by region and county; the general location and square footage of needed shelters by region and county for the next five years; the types of facilities that should comply with the public shelter design criteria; and recommends an appropriate and available source of funding for the additional cost of constructing public hurricane shelters in those public facilities.

Since promulgation of the public shelter design criteria in 1997, the Department has routinely received requests for guidance on certain aspects of the criteria. Therefore, based upon standard responses, this Plan also includes consultative guidance by the Department on subjects relating to implementation of the criteria; minimum mass care/human needs requirements not specified in the code, explanation of exemption criteria, etc. The guidance is not intended to be a comprehensive commentary of the criteria, but is limited to subjects pertinent to the most frequently asked questions. This Plan also includes a brief progress report of statewide hurricane shelter space deficit elimination.

## 1.2 Background and Chronology

On August 24, 1992, Hurricane Andrew made landfall in South Florida as a Category 5 hurricane. Winds in excess of 145 miles per hour spread inland, causing catastrophic damage in some areas of south Miami-Dade County. It has been estimated that 750,000 persons heeded appropriate warnings and evacuated coastal areas, inland flood prone areas, and manufactured homes. In some cases, spontaneous (or "shadow") evacuation of persons outside of areas ordered to evacuate also occurred. Though many evacuees sought shelter in motels or the homes of family and friends, many also sought safety in public shelter facilities in the affected area, and in communities along evacuation routes throughout the state. This unprecedented relocation of Florida's

citizens and visitors in the face of an impending natural disaster stretched the resources of state, local, and private agencies to provide public shelter.

Post-disaster evaluations of evacuation and sheltering concerns by the Governor's Disaster Planning and Response Review Committee, known as the Lewis Commission Report, identified the lack of adequate and appropriate public shelter space as a critical planning issue. The Lewis Commission Report served as the driving force behind the writing of Chapter 93-211, Laws of Florida, and subsequent revisions to Chapters 235, 240 and 252, Florida Statutes. The educational facilities sections of Chapters 235 and 240 have been superseded by Chapter 1013, Florida Statutes. Based on those revisions, the Legislature clearly stated its intent that Florida not have a deficit of safe public hurricane shelter space in any region of the state.

One of the statutory revisions required that the Department of Education, in consultation with boards and county and state emergency management offices, develop standards for a public shelter design criteria, which were to be incorporated into State Requirements for Educational Facilities (SREF). The new criteria were to be designed to ensure that appropriate new educational facilities can serve as public shelters for emergency management purposes. After promulgation of the criteria, all new educational facilities, or appropriate areas within facilities, for which a design contract was entered into after the effective date of the inclusion of the public shelter criteria in SREF, must be built in compliance with the criteria, unless the facility is exempted by the applicable local emergency management agency or the Department.

The Department of Education entered into a contract with the University of Florida, School of Building Construction, to prepare the shelter design criteria. The university assembled an advisory committee consisting of members from federal, state and local emergency management agencies, architects, engineers, district school boards and shelter operations experts from the American Red Cross (ARC). The task before the advisory committee was to develop criteria that balanced the need to provide a relatively safe and self-sufficient facility, with the need for cost-effective designs and construction methods.

The advisory committee incorporated not only its collective knowledge, expertise and existing national codes and standards, but also consulted with Texas Tech and Clemson Universities for severe storm research findings, and with relevant publications, such as the American Red Cross' *Mass Care—Preparedness and Operations* (ARC 3031, superseded by ARC 3041), *Guidelines for Hurricane Evacuation Shelter Selection* (ARC 4496), and the Department of Energy's (DOE) Standard *Natural Phenomena Hazards Design and Evaluation Criteria* (DOE-STD-1020).

The product of this process was a set of comprehensive design criteria that included structural enhancements, potable water and sanitary requirements, provisions for emergency power, and other considerations that would improve survivability and shelter management operations. The promulgation process began in 1994, and was finally adopted into SREF on April 28, 1997 (see Appendix B). Subsequently, along with other sections of SREF, the criteria were incorporated in Chapter 423 of the Florida Building





Code (FBC), which became effective March 1, 2002. This provided a seamless continuation of the criteria for new school construction projects.

The sheltering lessons learned from Hurricane Andrew were further reiterated by the experiences of Hurricane Floyd in 1999. During that event, approximately two million people in Florida alone evacuated from the storm; 19 counties along the entire Atlantic coast were under a hurricane or inland high wind warning, and 17 counties issued mandatory evacuation orders for their storm surge vulnerable and manufactured home residents. Of the 67 counties in the state, 58 opened a total of 379 shelters that housed 87,191 evacuees.

Clearly in a large-scale emergency, the availability of shelters is a statewide challenge. Cumulatively, even if a small number of counties have shelter space surpluses, deficits in any county have statewide implications that must be addressed, at a minimum, at the regional level. Evacuees that cannot find shelter space within their own county or region will leave those areas in search of viable shelter alternatives elsewhere. Implementation of the public shelter design criteria in new educational facilities is a critical component of Florida's hurricane shelter space deficit elimination program.

## 1.3 Statutory Considerations

There are several statutory authorities that are applicable for implementation of the public shelter design criteria. The following statutes have been selected to provide context for decisions relating to planning, construction and exemption of educational facilities.

> 252.38 **Emergency management powers of political subdivisions.**--Safeguarding the life and property of its citizens is an innate responsibility of the governing body of each political subdivision of the state.
>
> (1) COUNTIES.--
>
> (d) During a declared state or local emergency and upon the request of the director of a local emergency management agency, the district school board or school boards in the affected area shall participate in emergency management by providing facilities and necessary personnel to staff such facilities. Each school board providing transportation assistance in an emergency evacuation shall coordinate the use of its vehicles and personnel with the local emergency management agency.

In s. 252.38, F.S., the Legislature states that "Safeguarding the life and property of its citizens is an innate responsibility of the governing body of each political subdivision of the state." This places the burden for evacuating and sheltering at-risk citizens during an emergency upon county governing boards (i.e., Boards of County Commission). To expand and expedite locally available resources to meet an emergency situation, the Legislature directed that during a declared state or local emergency, district school boards will upon request participate in emergency management by providing facilities, personnel, equipment, vehicles, etc.

District public schools are the primary source of public shelter during emergencies, currently accounting for about 93 percent of statewide hurricane shelter space. Therefore, it can be presumed that public schools **will** be used as hurricane shelters, and often staffed by district personnel. It can also be presumed that in most cases, public schools will be opened as shelters regardless of the storm's intensity and track. Therefore, it is critical that new school facilities be appropriately designed and located to serve the required emergency function.

252.385 **Public shelter space.**--

(1) It is the intent of the Legislature that this state not have a deficit of safe public hurricane evacuation shelter space in any region of the state by 1998 and thereafter.

(2) The division shall administer a program to survey existing schools, universities, community colleges, and other state-owned, municipally owned, and county-owned public buildings and any private facility that the owner, in writing, agrees to provide for use as a public hurricane evacuation shelter to identify those that are appropriately designed and located to serve as such shelters. The owners of the facilities must be given the opportunity to participate in the surveys. The [1]Board of Regents, district school boards, community college boards of trustees, and the Department of Education are responsible for coordinating and implementing the survey of public schools, universities, and community colleges with the division or the local emergency management agency.

(4)(a) Public facilities, including schools, postsecondary education facilities, and other facilities owned or leased by the state or local governments, but excluding hospitals or nursing homes, which are suitable for use as public hurricane evacuation shelters shall be made available at the request of the local emergency management agencies. Such agencies shall coordinate with the appropriate school board, university, community college, or local governing board when requesting the use of such facilities as public hurricane evacuation shelters.

In s. 252.385, F.S., the Legislature stated its intent to eliminate the deficit of "safe" public hurricane shelter space. The Department's Division of Emergency Management (the Division) was given both the responsibility and authority to administer a statewide program to survey public facilities to identify those that are appropriately designed and located to serve as public shelters. The owners of the facilities to be surveyed are responsible for coordinating and implementing the survey with the Division and applicable local emergency management agencies.

To ensure consistency with state and national standards, guidelines and "best practices," the Division has recognized ARC 4496 as the minimum hurricane shelter survey and evaluation criteria. Therefore, at a minimum, meeting ARC 4496 criteria is a required condition for a public facility to be described as "safe", "suitable" or "appropriate" for use as a public hurricane shelter. The public hurricane shelter capacities listed as suitable in this Plan are recognized by the Department as meeting ARC 4496 safety criteria. The capacity lists include facilities that meet ARC 4496 in their existing condition (i.e., as-is), facilities that have been retrofitted to meet ARC 4496, and facilities that have been constructed to meet ARC 4496. New school facilities that are reported by district school boards and local emergency management agencies as having been constructed to the public shelter design criteria are generally assumed by the Division to meet ARC 4496.





In s. 252.385(4)(a), F.S., the Legislature directs that all suitable public facilities owned or leased by state or local government agencies shall be made available for use as a public hurricane shelter upon request of the applicable local emergency management agency. This broadens the types of facilities that can be used by emergency management officials in a declared emergency, and is consistent with the Division's authority to survey all appropriate public facilities for use as public hurricane shelters.

1013.372 **Education facilities as emergency shelters.**--

(1) The Department of Education shall, in consultation with boards and county and state emergency management offices, include within the standards to be developed under this subsection public shelter design criteria to be incorporated into the Florida Building Code. The new criteria must be designed to ensure that appropriate new educational facilities can serve as public shelters for emergency management purposes. A facility, or an appropriate area within a facility, for which a design contract is entered into after the effective date of the inclusion of the public shelter criteria in the code must be built in compliance with the amended code unless the facility or a part of it is exempted from using the new shelter criteria due to its location, size, or other characteristics by the applicable board with the concurrence of the applicable local emergency management agency or the Department of Community Affairs. Any educational facility located or proposed to be located in an identified category 1, 2, or 3 evacuation zone is not subject to the requirements of this subsection. If the regional planning council region in which the county is located does not have a hurricane evacuation shelter deficit, as determined by the Department of Community Affairs, educational facilities within the planning council region are not required to incorporate the public shelter criteria.

In s. 1013.372(1), F.S., the Legislature directed the Department of Education to develop criteria, in consultation with district boards and state and local emergency management offices, to ensure that appropriate new educational facilities can serve as public shelters for emergency management purposes. The criteria are required to be incorporated into the State Requirements for Educational Facilities (SREF) of the Florida Building Code (i.e., s. 423.25, FBC), and all facilities for which a design contract is entered into after incorporation of the criteria into the code must be built in compliance with the criteria. The public shelter design criteria are applicable to both district school board and community college facilities, and became effective on April 28, 1997. The criteria were subsequently incorporated into the FBC on March 1, 2001.

The statute indicates that a board may exempt a facility from the criteria due to location, size or other characteristics that cause the facility to be inappropriate for use as a public shelter, with the concurrence of the applicable local emergency management agency or the Department. A facility that is located, or proposed to be located, in a Regional Planning Council region that is determined by the Department to have a hurricane shelter surplus may also be exempted. **It is unlawful and a violation of the Florida Building Code for a board to exempt a new educational facility from the criteria without the written concurrence of the applicable local emergency management agency or the Department.**

1013.74 **University authorization for fixed capital outlay projects.--**

(4) The university board of trustees shall, in consultation with local and state emergency management agencies, assess existing facilities to identify the extent to which each campus has public hurricane evacuation shelter space. The board shall submit to the Governor and the Legislature by August 1 of each year a 5-year capital improvements program that identifies new or retrofitted facilities that will incorporate enhanced hurricane resistance standards and that can be used as public hurricane evacuation shelters. Enhanced hurricane resistance standards include fixed passive protection for window and door applications to provide mitigation protection, security protection with egress, and energy efficiencies that meet standards required in the 130-mile-per-hour wind zone areas. The board must also submit proposed facility retrofit projects to the Department of Community Affairs for assessment and inclusion in the annual report prepared in accordance with s. 252.385(3). Until a regional planning council region in which a campus is located has sufficient public hurricane evacuation shelter space, any campus building for which a design contract is entered into subsequent to July 1, 2001, and which has been identified by the board, with the concurrence of the local emergency management agency or the Department of Community Affairs, to be appropriate for use as a public hurricane evacuation shelter, must be constructed in accordance with public shelter standards.

In s. 1013.74(4), F.S., state university boards of trustees have statutory authorities and responsibilities similar to those of district public schools and community colleges. State universities, in consultation with state and local emergency management agencies, are directed to assess existing facilities to identify the extent to which each campus has public hurricane shelter space. Each campus is then responsible for developing a five-year capital improvements program that identifies potential new and retrofitted facilities that can be used as public hurricane shelters. The statute indicates that the facilities will incorporate "enhanced hurricane resistance standards" and must be constructed in accordance with "public shelter standards," but does not specify the FBC's public shelter design criteria. The Department recommends use of the FBC's public shelter design criteria for university facilities that are appropriate for use as public shelters. All campus buildings for which a design contract is entered into after July 1, 2001 are required to be constructed to the standard.

The statute indicates that a university board of trustees may exempt a facility from the criteria with the concurrence of the applicable local emergency management agency or the Department. A facility that is proposed to be located in a Regional Planning Council region that is determined by the Department to have a hurricane shelter surplus may also be exempted. As with district school boards and community colleges, **it is unlawful for a university board of trustees to exempt a new campus facility from the criteria without the written concurrence of the applicable local emergency management agency or the Department.**





## 2.0 EDUCATIONAL FACILITIES AS EMERGENCY SHELTERS

The public shelter design criteria, which are also known as the Enhanced Hurricane Protection Area (EHPA) criteria, were designed to ensure that appropriate new educational facilities can serve as public shelters for emergency management purposes. Public educational facilities primarily serve an educational purpose, and secondarily the social and recreational purposes of the community. Though the hurricane shelter function is considered a secondary function of a public school facility, the public shelter function is a lawfully authorized function, and during a declared state or local emergency can preempt normal educational functions. Therefore, consideration of the emergency management purpose is a critical component of the design of a new educational facility. The following sections will provide consultative guidance for implementing the criteria.

### 2.1 Public Shelter Design Criteria

The EHPA criteria were prepared to ensure that new educational facilities could meet or exceed applicable national design and construction standards, guidelines and "best practices." The EHPA criteria were also developed to significantly enhance the occupant safety of public hurricane shelters, and enhance their ability to survive and continue to serve the public after exposure to a major hurricane.

In particular, the American Red Cross' ARC 4496 must be consulted during the planning process for an EHPA; see Appendix C. ARC 4496 is the minimum hurricane shelter selection guideline used by the Department, American Red Cross and local emergency management officials for surveying, evaluating and designating public hurricane shelters.

ARC 4496 can also be viewed at the following web address:

http://floridadisaster.org/bpr/Response/engineers/documents/newarc4496.pdf

The criteria require that EHPAs be designed, constructed and certified as capable of withstanding wind loads according to the American Society of Civil Engineers Standard 7 (ASCE 7). The criteria also highly recommend increasing the design map wind speed by 40 miles per hour. The Department also highly recommends the 40 mile per hour increase in map wind speed, especially if the EHPA is constructed with tall exterior walls, long span lightweight roof systems, wide roof overhangs, located in open areas with minimal sheltering, etc., which are particularly vulnerable to damage from severe winds.

For additional consultative guidance on design criteria, including wind and debris impact resistance, foundation and floor slab elevation, location and site requirements, shelter capacity, plumbing and sanitation, electrical and emergency power systems, emergency management considerations, etc., please see Appendix G. The Department also recommends two other useful sources of information which should be considered in

the EHPA design process: 1) the Department of Energy's (DOE) Standard *Natural Phenomena Hazards Design and Evaluation Criteria* (DOE-STD-1020), and 2) the Federal Emergency Management Agency's (FEMA) publication *Design and Construction Guidance for Community Shelters* (FEMA 361).

## 2.2 Exemption Criteria

All new educational facilities must be designed and constructed to comply with the EHPA criteria unless specifically exempted by the board, with the written concurrence of the applicable local emergency management agency or the Department. **It is unlawful and a violation of the Florida Building Code for a board to exempt a new educational facility from the criteria without the written concurrence of the applicable local emergency management agency or the Department.**

The fact that the EHPA criteria may increase the cost of construction of a facility is not a factor that will be considered for an exemption by the Department. Cost of construction may be considered as a factor when selecting the facilities to be designed and constructed to meet the EHPA criteria. Selection may be based upon cost-effectiveness, greatest provision of shelter space, and other factors that enhance shelter utility.

The EHPA requirement applies to any building construction project that is determined to be "new construction," as defined in s. 1013.01(14), F.S. and s. 423.5.8, FBC; that is, any construction of a building or unit of a building in which the entire work is new, or an entirely new addition connected to an existing building. This includes replacement buildings and new buildings and additions constructed on existing campuses. The EHPA requirement also applies to reuse and prototype plans, since they are required to be code updated with each new project.

Between 1995 and 2000, there was a "three-mile exemption" for the EHPA criteria in Florida Statutes, whereby a board was only required to construct one facility to the criteria within any given three-mile radius. The exemption significantly impeded progress towards elimination of the safe public hurricane shelter space deficit through new school construction. Therefore, the Legislature eliminated the three-mile exemption in 2000.

The EHPA requirement is not limited to rooms or spaces defined as "core facilities" in s. 1013.01(5), F.S. The statutory definition is intended for educational facilities purposes, and defines "core facilities" to be media centers, cafeterias, toilet facilities and circulation space (e.g., corridors, lobbies, etc.) Section 1013.372(1), F.S. states that "A facility, or an appropriate area within a facility...must be built in compliance with the (EHPA criteria)" unless exempted. The statute does not limit EHPAs to "core facilities," but permits use of an entire facility, or appropriate areas within a facility.





During initial development of the EHPA criteria, the concept of "core areas" was established to more cost effectively create usable hurricane shelter spaces during the design phase of a new educational facility (thus the term "Enhanced Hurricane Protection Area"). Under the EHPA concept, appropriate rooms and spaces that are required or useful for a hurricane shelter operation are concentrated into fewer more manageable areas, in some cases whole buildings, and in other cases portions of buildings. This permitted boards and their design professionals to reduce the amount of square footage required to meet the EHPA criteria, thus reducing construction costs, and at the same time, providing emergency managers and shelter staff with a more manageable hurricane shelter environment.

When this concept was translated into statute and code language, the original language used the term "core facility area" instead of "core area." As with the three-mile exemption, interpretation of the statute and code to mean "core facility" could significantly impede progress towards elimination of the safe public hurricane shelter space deficit through new school construction. Therefore, the Legislature eliminated the "core facility area" language from s. 1013.372, F.S. in 2000, and replaced it with "A facility, or an appropriate area within a facility."

For emergency management purposes, "core areas" are portions of a facility with defined boundaries, barriers or partitions that have been designated for use during an emergency. For hurricanes and other severe storms, occupant safety is the primary consideration, regardless of the normal educational purpose of the spaces. In addition to cafeterias and interior/inside circulation areas, appropriately designed and constructed gymnasiums, auditoriums and classrooms can be used as EHPA core areas. Also, media centers and restrooms are normally excluded by emergency managers when calculating the hurricane shelter net usable floor area for occupant capacity purposes.

The EHPA requirement applies to School Infrastructure Thrift (SIT) award candidates. Section 1013.42(2), F.S. does not indicate that the EHPA requirement may be relaxed, and unless lawfully exempted, it is unlawful to construct a new educational facility without the EHPA criteria. The Department of Education has stated in memoranda DPBM No. 99-05 and DPBM No. 02-42 that boards may request cost waivers for statutory limitations on cost per student station, and deduct the additional cost directly associated with the EHPA from the total construction cost when applying for a SIT award.

**1013.42 School Infrastructure Thrift (SIT) Program Act.--**

(2) The School Infrastructure Thrift (SIT) Program is established within the Department of Education, and the State Board of Education may adopt rules as necessary to operate the program. To facilitate the program's purposes, the department shall aggressively seek the elimination or revision of obsolete, excessively restrictive, or unnecessary laws, rules, and regulations for the purpose of reducing the cost of constructing educational facilities and related costs without sacrificing safety or quality of construction. Such efforts must include, but are not limited to, the elimination of duplicate or overlapping inspections; the relaxation of requirements relating to the life cycle of buildings, landscaping, operable glazing, operable windows, radon testing, and firesafety when lawful, safe, and cost-beneficial; and other cost savings identified as lawful, safe, and cost-beneficial.

Both the Florida Statutes and the FBC provide factors to consider in exempting an educational facility from complying with the criteria. The American Red Cross' publication *Standards for Hurricane Evacuation Shelter Selection* (ARC 4496) also provides supplemental guidance to consider in the exemption process. The following subsections provide consultative guidance when considering an exemption request.

### 2.2.1 Location.

In general, there are five factors to be considered when making an exemption request due to location: 1) Location of the proposed EHPA site within an identified Category 1, 2 or 3 hurricane evacuation zone; 2) Location subject to hurricane-related rainfall or storm surge flooding or isolation; 3) Location on a coastal barrier island; 4) Location within the evacuation zone of facilities that manufacture, use or store certain types and quantities of hazardous materials; and 5) Low evacuation demand.

**Category 1, 2 or 3 Evacuation Zone.** New educational facilities located or proposed to be located in an identified Category 1, 2 or 3 hurricane evacuation zone are exempt from the EHPA criteria. Hurricane evacuation zones are applicable to coastal counties, and possibly counties adjacent to Lake Okeechobee. Hurricane evacuation zones include areas that are subject to storm surge inundation, as predicted by the National Weather Service's Sea, Lake and Overland Surges from Hurricanes (SLOSH) model. Category 1, 2 and 3 evacuation zones are subject to evacuation during landfalling major hurricanes, as well as paralleling and exiting major hurricanes.

"Hurricane Evacuation Zones" are areas designated to be evacuated for particular hurricane scenarios to protect an at-risk population from flooding or high winds. Evacuation zones are developed taking into consideration all populated areas having a serious risk of flooding, areas not subject to flooding but may be cut-off or completely surrounded or isolated by flooded areas, and the need to be easily communicated to the public.

Category 4 and 5 hurricanes are relatively uncommon events, and based upon the storm track (landfalling, paralleling or exiting), Category 4/5 hurricane evacuation zones may not be inundated by storm surge. Therefore, new educational facilities proposed to be located in Category 4/5 evacuation zones are not statutorily exempt from the EHPA criteria.

Also, to facilitate communication of evacuation orders to the public during an emergency, hurricane evacuation zones are normally established using geographic, jurisdictional or transportation/utility boundaries and landmarks that are known and readily identified by the local population. Therefore, hurricane evacuation zone boundaries may extend further inland than the SLOSH model's predicted inundation areas. New educational facilities proposed to be located in a Category 4/5 evacuation zone may in fact be outside of the SLOSH predicted inundation areas. EHPAs located in Category 4/5 evacuation zones may provide emergency managers with additional sheltering options.





Category 4/5-related exemption decisions will be dependent upon the magnitude of the county and regional hurricane shelter space deficit, local logistical support capabilities and the availability of suitable alternatives (either in-place, or within the framework of a five-year plan.)

**Rainfall or storm surge flooding or isolation.** New educational facilities proposed to be located in areas subject to flooding or isolation due to rainfall or storm surge related flooding may be unsuitable for use as public hurricane evacuation shelters. Rainfall flooding includes closed-basin, riverine and containment failure of dams and reservoirs. Long-term isolation of a hurricane shelter population presents logistical challenges for emergency managers and mass care support agencies, which normally prefer equally suitable buildings not subject to flooding or isolation. The challenges include staff rotation, resupply of food, water and other consumables, emergency medical assistance, sanitation, security concerns, communication, etc. Flooding and isolation-related exemption decisions will be dependent upon the magnitude of the county and regional hurricane shelter space deficit, design and construction standards of the facility, shelter floor elevation, local logistical support capabilities and the availability of suitable alternatives (either in-place, or within the framework of a five-year plan.)

**Coastal Barrier Island.** Coastal barrier islands are often less than two (2) miles wide with very low ground elevations above mean sea level (AMSL). As such, they are exceptionally at-risk to storm surge inundation, isolation, and exposure to the full force of hurricane winds. Therefore, facilities on coastal barrier islands are often subject to an exemption from the EHPA criteria. Coastal barrier island exemption decisions will be dependent upon the magnitude of the county and regional hurricane shelter space deficit, design and construction standards of the facility, shelter floor elevation, local logistical support capabilities and the availability of suitable alternatives (either in-place, or within the framework of a five-year plan.)

**Hazardous Materials.** Location of a proposed new educational facility within the Vulnerability Zone (VZ) of facilities that manufacture, use or store certain types and quantities of hazardous materials may make it unsuitable for use as public hurricane evacuation shelter. Just as with flooding isolation concerns, the possible impact of a hazardous materials spill or release presents public safety and logistical challenges to emergency managers and mass care support agencies. In addition to the challenges listed for flooding isolation, hazardous materials emergencies include detecting and communicating presence of a hazard, and implementing shelter-in-place or evacuation actions. Most facilities with reportable quantities of hazardous materials are considered a low risk of hurricane-related spill or release due to presence of mitigation measures (e.g., limited quantities of materials, hardening of containment structures, etc.)

Hazardous materials-related exemption decisions will be dependent upon the potential for and probable impact of a hurricane-related spill or release, potential hurricane shelter's distance from hazardous materials facility, guidance from Local Emergency Planning Committee (LEPC) and local fire department, magnitude of the county and regional hurricane shelter space deficit, communication and warning

capabilities, local logistical support capabilities and the availability of suitable alternatives (either in-place, or within the framework of a five-year plan.)

It should be noted that many educational facilities use or store hazardous materials (sometimes in reportable quantities) that are used for janitorial services and maintenance, vocational or laboratory uses, refrigeration, water treatment, etc. Such materials are normally very limited in quantity, and suitably stored or protected, and therefore rarely a significant consideration for an exemption. The Department recommends consultation with the applicable LEPC and local fire department to determine appropriate precautionary measures.

**Low Evacuation Demand.** New educational facilities proposed to be located in areas with low evacuation demand may be considered for an EHPA exemption. Emergency managers and other mass care providers prefer to locate hurricane shelters in close proximity to the evacuees they will serve. Therefore, the emergency management agency may reduce the EHPA floor area square footage requirement to meet local evacuation demand needs, or possibly exempt the entire facility if a suitable alternative is available. Low evacuation demand exemption decisions will be dependent upon the magnitude of the county and regional hurricane shelter space deficit, local shelter demand needs and the availability of suitable alternatives (either in-place, or within the framework of a five-year plan.)

### 2.2.2 Size.

The required size of a hurricane evacuation shelter is very dependent upon local circumstances. To effectively utilize available resources and operational plans (e.g., staffing, feeding, security, etc.), a hurricane shelter located in an area with low evacuation demand can be significantly smaller than a hurricane shelter located near a highly populated evacuation zone. Public hurricane shelters can range from as small as about 50 spaces to as large as several thousand spaces.

Section 252.385(4)(b), F.S. can serve as a pertinent guide when establishing a minimum size criterion for public hurricane shelters. This statute applies to suitable Department of Management Services owned or leased facilities, and requires that the facility have a minimum of 2,000 square feet of net usable floor area. The required minimum net usable floor area can be in a single room, or a combination of rooms each having a minimum of 400 square feet of net usable floor area. At 20 square feet per hurricane shelter space, this translates into a minimum capacity of 100 spaces.

Therefore, to be consistent with s. 252.385(4)(b), F.S., the Department generally considers new educational facilities with less than 2,000 square feet of net usable floor area to be small enough for an exemption.

### 2.2.3 Other Considerations.

"Other Considerations" is, for all intents and purposes, interpreted to mean any factor that, despite the investment in public funds to enhance the hurricane safety of a





facility, is determined to make the facility inappropriate for use as a public hurricane evacuation shelter. This will generally be related to incompatibility of a facility's normal function or availability with public shelter operations.

As examples, the following types of spaces are normally excluded during calculation of net usable occupant capacity of a hurricane shelter, and are therefore often avoided by emergency managers when selecting hurricane shelters:

> Mechanical, plumbing, electrical, telephone and communication equipment rooms, storage rooms and closets, exterior/outside circulation and corridors, restrooms and shower areas, kitchen and food preparation rooms, science labs, computer and information technology labs, vocational and industrial technology labs and shops, library and media rooms and labs, exercise rooms with fixed equipment, administrative office and support areas, data and word processing rooms and areas, record vaults, mail rooms, custodial rooms and work areas, medical clinic and first aid rooms, residential and dormitory rooms and areas, radio or television broadcast facilities, attics and crawl spaces, etc.

New educational facilities that are designed exclusively to serve these functions may be exempted from complying with the EHPA criteria.

Other considerations may also include local strategies and long-range plans. As an example, to reduce costs and maximize hurricane shelter utility, a board and local emergency management agency may agree (in writing) that 100 percent of the floor area of new high schools will be constructed to the EHPA criteria, instead of the minimum of 50 percent, in exchange for reducing or eliminating EHPA requirements for middle and elementary schools. The proposed plan eliminates the county hurricane shelter space deficit, plus creates additional space toward reducing the regional deficit, within about five years. Thus the long-range plan achieves statutory intent, and exemptions for applicable middle and elementary schools are acceptable.

### 2.2.4 Certain Alterations or Maintenance of Existing Buildings.

Florida Statutes and the Florida Building Code both state that the EHPA criteria apply to "new educational facilities." Therefore, renovations, remodeling, maintenance and repair of existing buildings, as defined in s. 1013.01, F.S. and s. 423.5, FBC, are exempt from compliance with the EHPA criteria.

However, remodeling projects are required to be brought into compliance with applicable codes. In certain circumstances, this may mean substantial alteration or replacement of a facility's structural systems. Given the magnitude of the hurricane shelter space deficit, it may be appropriate to incorporate the EHPA criteria during this type of remodeling project. In consultation with the applicable local emergency management agency, evaluate the benefits of incorporating the EHPA criteria into the remodeling project. The decision to incorporate the EHPA criteria will be dependent upon the magnitude of the county and regional hurricane shelter space deficit, quantity of hurricane shelter spaces to be created, local shelter demand and the availability of

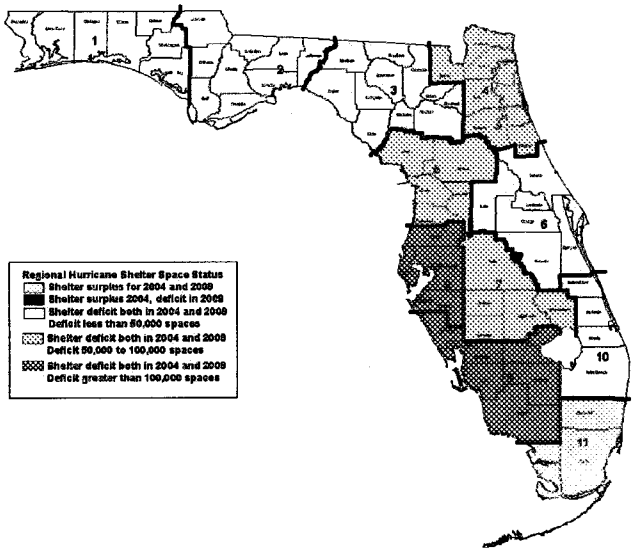
suitable alternatives (either in-place, or within the framework of a five-year plan.) Also, it must be determined if a statutory or code exemption would apply to the construction project, other than that the project is a remodeling of an existing facility.

### 2.2.5 Regional Surplus of "Safe" Hurricane Shelter Space.

Section 1013.372, F.S. states that new educational facilities proposed to be located in a Regional Planning Council (RPC) region that does not have a hurricane evacuation shelter space deficit are not required to incorporate the EHPA criteria. The hurricane shelter surplus/deficit determination is established by biennial publication and approval of this Plan, which guides exemption decisions over a five year planning period.

As can be seen in Figure 2-1, at this time only RPC region 11, which includes Broward, Miami-Dade and Monroe counties, has a hurricane shelter space surplus. Therefore, this EHPA criteria exemption factor will not be applicable for 64 of 67 counties for at least the next two years, if not more than five years. For more detailed information, please see Section 3.2.

**Figure 2-1. Regional Hurricane Shelter Space Surplus/Deficit Status**








### 2.2.6 Exemption Process.

Based upon s. 1013.372, F.S. and s. 423.25, FBC, the following procedures are recommended by the Department when requesting exemptions to the public shelter design criteria:

1. The board must notify the local emergency management agency of all new educational facility construction projects, and certain remodeling projects.
2. The board must evaluate each new educational facility construction project to determine if a statutory or code specified exemption to the criteria is applicable.
3. If an exemption is not requested, the board must consult with the local emergency management agency to identify those areas of the new facilities that will maximize public shelter capacity, and meet the needs of both the primary educational purpose and the secondary emergency management purpose.
4. If the board requests an exemption, the request must be prepared and submitted in writing to either the local emergency management agency or the Department. The request must identify the specific statutory or code factor(s) to be considered for the exemption, and provide appropriate supporting documentation.
5. If the local emergency management agency or the Department concurs with the exemption request, a written response stating the concurrence will exempt the new educational facility from the criteria.
6. If the local emergency management agency or the Department does not concur in writing with the exemption request, then the board must comply with the criteria.

## 2.3 Auditor General's Report No. 02-055, October 2001

In 2001, staff from the Auditor General's Office performed a hurricane shelter and grant management operational audit of the Department of Community Affairs. Subsequently, Report No. 02-055 was published in October, 2001. In Finding No. 2 of the report, the Auditor General found that a significant number of new educational facilities, constructed by district school boards and community colleges, had not complied with the public shelter design criteria, and had not received an exemption (written or otherwise) by local emergency management agencies or the Department.

Given the current and projected deficits of public hurricane shelter space in this state, the Auditor General indicated that steps must be taken to remedy the situation.

Auditor General's Report No. 02-055 can be viewed at the following web address:

http://www.state.fl.us/audgen/pages/pdf_files/02-055.pdf

The Auditor General recommended that the Department of Community Affairs, in consultation with the Legislature, Florida Department of Education and local emergency management officials, continue its efforts to ensure compliance with the provisions of the law. Subsequently, the Department of Education distributed memorandum number DPBM No. 02-42 (from Wayne V. Pierson, dated October 31, 2001) that reiterated the necessity for compliance with the statute. A copy of memorandum DPBM No. 02-42 is included in Appendix I.

DPBM No. 02-42 can also be viewed at the following web address:

http://www.firn.edu/doe/cefo/archivedmemos/dpbm01_memo/dpbm0242.htm





# 3.0 REGIONAL HURRICANE EVACUATION SHELTER REQUIREMENTS

## 3.1 Methodology for Calculating Regional and County Hurricane Evacuation Shelter Status

**Location and Square Footage of Existing Shelters.** The location and square footage of existing shelters are located in Appendix A, which provides a detailed inventory of shelter locations and capacities within each county. The tables in Appendix A use the terms "risk" and "host" shelters. Risk shelters include those shelter spaces designated for use during a major hurricane, and host shelters include those spaces available for general use outside of a hurricane impact area. The terms "risk" and "host" shelters are further defined in Appendix E.

**Location and Square Footage of Needed Shelters.** Region/County estimates are provided for Hurricane Categories 4 and 5 for Shelter Capacity, Vulnerable Population, Shelter Demands, Shelter Surpluses/Deficits, and Capacity Results for 2004 and 2009 (in number of persons) in TABLE 3-1. Region/County estimates are provided for Hurricane Categories 4 and 5 for Shelter Capacity, Vulnerable Population, Shelter Demands, Shelter Surpluses/Deficits, and Capacity Results for 2004 and 2009 (in square feet) in TABLE 3-2.

**Shelter Demand Sources/Results by County.** County shelter demand estimates are provided for Storm Categories 4 and 5, and include shelter demand for 2004/2009, vulnerable populations, percentages of vulnerable populations, and sources (Hurricane Evacuation Studies), in Appendix J.

The 2004 and 2009 populations are estimates, based on county growth during the previous decade (1990-2000) from the *Florida Population: Census Summary 2000* as prepared by the Bureau of Economic and Business Research at the University of Florida. The Category 4 and 5 Vulnerable Populations from the Regional Hurricane Evacuation Studies were multiplied by the average annual percentage growth per county to derive a base growth rate. This figure was then multiplied by the applicable number of years, between the year that the Hurricane Evacuation Study data was collected, and the year 2004 estimates and the 2009 projections. Finally, this figure was added to the original Category 4 and 5 Vulnerable Populations from the Regional Hurricane Evacuation Studies to derive an estimate corrected for both population growth and the age of the data.

**Determining County Shelter Capacities.** County shelter capacity data for all 67 counties were updated by local emergency management agencies throughout 2003, and also cross-referenced with the *2003 Shelter Retrofit Report*. Since 1995, Florida has been implementing of ARC 4496 hurricane shelter selection standards and Florida's *Model Hurricane Evacuation Shelter Selection Guidelines*. Therefore, based upon subsequent results of regional and county hurricane shelter surveys, local emergency management

agencies were requested to provide shelter inventory capacities based on those facilities that met the required ARC 4496 standards, and separately those facilities that did not. Those facilities that have not yet been surveyed, and therefore have not yet been documented to meet the above standards, were designated as facilities not meeting the ARC 4496 standards. The total of each county's current shelter capacities (those that meet ARC 4496 standards) was multiplied by the 20 square feet per person (based on EHPA requirement of 20 square feet per person) for general shelter space, and where appropriate, 40 square feet per Persons with Special Needs (PSN) Shelters.

**Determining County Shelter Demand.** The hurricane shelter demand percentage for each county reflects the percentage of a county's vulnerable population that is projected to seek public shelter. These percentages are based on the conclusions of the behavioral analyses conducted for each of the regional hurricane evacuation studies. The analyses utilize survey and statistical methodologies to estimate behavioral responses to various hurricane scenarios.

Most of the behavioral analyses in the state have been prepared on a regional basis by Hazards Management Group (HMG) and are therefore a consistent benchmark relative to the survey methodologies and statistical applications. The public shelter use percentages in the behavioral data of the hurricane evacuation study are combined with local income characteristics in general hurricane risk area (two important variables in determining public shelter use) to calculate shelter demand numbers. The only regions or counties where a behavioral analysis, as part of a hurricane evacuation study effort, was not conducted by the Hazards Management Group are East Central Florida, and Central Florida. Nonetheless, shelter demand numbers were provided in the hurricane evacuation study and those figures were used for the purposes of this plan.

The hurricane evacuation studies conducted for all regions of Florida between 1988 and 2000 include shelter demand figures for each county. For this Plan, these data served as the basis for estimating the year 2004 and 2009 shelter demand numbers for Florida's coastal counties. The same methodology for projecting the vulnerable population to the year 2004 and 2009 was used to calculate the estimated shelter demand figures for those years.

## 3.2 Location and Square Footage of Existing and Needed Shelters

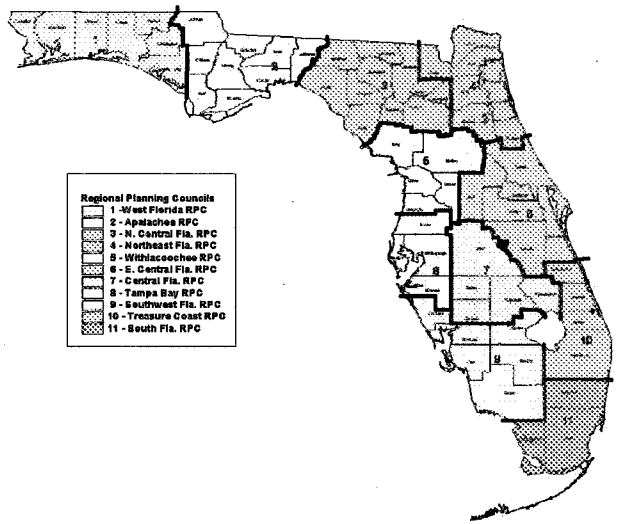
TABLES 3-1 and 3-2 below provide information regarding location and shelter occupant capacity of both existing and needed hurricane shelters (i.e., risk shelters) for each of the 67 Florida counties. The tables also show which regions of the state suffer from a deficit of hurricane shelter space. The tables' columns provide the following information:

Region Number: This column sorts the listing of counties by Regional Planning Council (RPC) Regional Numbers. Figure 3-1 illustrates the RPC regions in Florida.





**Figure 3-1. Regional Planning Council (RPC) Regions of Florida**




Shelter Demand in People and Square Footage: The figures for people and square footage are derived using the same methodology of the Category 4/5 Vulnerable Population. The Shelter Demand "In People" figure from the Regional Hurricane Evacuation Studies was multiplied by the sum of the average annual percentage growth times the applicable number of years between the year that the Hurricane Evacuation Study data was collected, and the year 2004 estimates and the 2009 projections. This figure was then added to the original Shelter Demand from the Regional Hurricane Evacuation Studies to derive an estimate corrected for both population growth and the age of the data.

The Shelter Demand for Square Footage was determined by multiplying the Shelter Demand In People by 20 square feet per person for each county. For Monroe

County and the inland counties of the North Central and Withlacoochee RPC regions, the most recent hurricane evacuation study did not provide a specific shelter demand figure. In those cases the shelter demand figures were determined by multiplying the county's hurricane evacuation study derived vulnerable population figures by the public shelter use percentages developed in the most recent Hazards Management Group's behavioral survey for the county or region.

Shelter Capacity: 2004 Risk Shelter Capacity figures for people and square footage were provided by each of the 67 county emergency management directors, and correlated with available information from county shelter surveys, and the construction of EHPAs at schools in each county. The figures were based on shelter capacity meeting/exceeding the ARC 4496 standards. Available general risk shelter capacity is based on 20 square feet of usable space per person. Available PSN risk shelter capacity is based on 40 square feet of usable space per person. Risk shelter capacity that is not yet verified through ARC 4496 surveys and/or EHPA construction is not included in this column, but is carried in each county shelter status in Appendix A under the column title: "Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed)".

Shelter Surplus/Deficit In People and Square Footage: The 2004 Shelter Surplus/Deficit figures for In People and Square Footage is the difference between the Shelter Demand and the Shelter Capacity in both measurements. This data is provided as a quick reference to determine if the county is deficient in available Risk Capacity Shelter Space for both 2004 estimates and 2009 projections and is based on the Shelter Surplus/Deficit In People figure.





**TABLE 3-1. Shelter Demand/Capacity In People**

| REGION Number | County | 2004 Category 5 Shelter Demand in People (estimated) | 2009 Category 5 Shelter Demand in People (estimated) | 2004 Risk Shelter Capacity in People | 2004 Shelter Surplus/ Deficit in People | 2009 Shelter Surplus/ Deficit in People |
|---|---|---|---|---|---|---|
| | Bay | 14,959 | 16,131 | 7,515 | -7,445 | -8,617 |
| | Escambia | 15,314 | 16,193 | 16,827 | 1,513 | 634 |
| | Holmes | 1,415 | 1,530 | 850 | -565 | -680 |
| 1 | Okaloosa | 12,946 | 14,066 | 800 | -12,146 | -13,266 |
| | Santa Rosa | 8,957 | 10,641 | 7,151 | -1,806 | -3,490 |
| | Walton | 4,861 | 5,810 | 4,445 | -416 | -1,365 |
| | Washington | 1,534 | 1,702 | 2,356 | 822 | 654 |
| REGION 1 TOTAL | | 59,986 | 66,073 | 39,944 | 20,042 | 26,129 |
| | Calhoun | 1,395 | 1,502 | 0 | -1,395 | -1,502 |
| | Franklin | 185 | 202 | 0 | -185 | -202 |
| | Gadsden | 3,904 | 4,076 | 2,853 | -1,051 | -1,223 |
| | Gulf | 846 | 904 | 10 | -836 | -894 |
| 2 | Jackson | 3,989 | 4,219 | 3,401 | -588 | -818 |
| | Jefferson | 879 | 934 | 626 | -253 | -308 |
| | Leon | 12,564 | 13,796 | 821 | -11,743 | -12,975 |
| | Liberty | 1,154 | 1,273 | 600 | -554 | -673 |
| | Wakulla | 757 | 900 | 650 | -107 | -250 |
| REGION 2 TOTAL | | 25,673 | 27,806 | 8,961 | -16,712 | -18,845 |
| | Alachua | 8,851 | 9,602 | 3,075 | -5,776 | -6,527 |
| | Bradford | 2,067 | 2,211 | 1,644 | -423 | -567 |
| | Columbia | 5,658 | 6,371 | 614 | -5,044 | -5,757 |
| | Dixie | 2,679 | 3,000 | 1,592 | -1,087 | -1,408 |
| | Gilchrist | 2,066 | 2,420 | 3,390 | 1,324 | 970 |
| 3 | Hamilton | 1,455 | 1,588 | 501 | -954 | -1,087 |
| | Lafayette | 899 | 993 | 368 | -531 | -625 |
| | Madison | 1,660 | 1,757 | 7,398 | 5,738 | 5,641 |
| | Suwannee | 4,461 | 4,990 | 355 | -4,106 | -4,635 |
| | Taylor | 2,281 | 2,410 | 600 | -1,681 | -1,810 |
| | Union | 1,210 | 1,357 | 1,884 | 674 | 527 |
| REGION 3 TOTAL | | 33,287 | 36,699 | 21,421 | -11,867 | -15,279 |
| | Baker | 2,114 | 2,303 | 295 | -1,819 | -2,008 |
| | Clay | 10,332 | 11,712 | 3,212 | -7,120 | -8,500 |
| | Duval | 32,739 | 35,059 | 12,481 | -20,258 | -22,578 |
| 4 | Flagler | 6,668 | 8,287 | 4,267 | -2,401 | -4,020 |
| | Nassau | 4,996 | 5,636 | 3,738 | -1,258 | -1,898 |
| | Putnam | 9,487 | 9,856 | 2,025 | -7,462 | -7,831 |
| | St. Johns | 9,829 | 11,564 | 7,320 | -2,509 | -4,244 |
| REGION 4 TOTAL | | 76,165 | 84,417 | 33,338 | -42,827 | -51,079 |
| | Citrus | 14,838 | 16,414 | 3,344 | -11,494 | -13,070 |
| | Hernando | 17,320 | 19,331 | 4,350 | -12,970 | -14,981 |
| 5 | Levy | 5,186 | 5,845 | 2,455 | -2,731 | -3,390 |
| | Marion | 28,188 | 31,765 | 6,970 | -21,218 | -24,795 |
| | Sumter | 7,919 | 9,603 | 1,171 | -6,748 | -8,432 |

## TABLE 3-1. Shelter Demand/Capacity In People

| REGION Number | County | 2004 Category 5 Shelter Demand in People (estimated) | 2009 Category 5 Shelter Demand in People (estimated) | 2004 Risk Shelter Capacity in People | 2004 Shelter Surplus/ Deficit in People | 2009 Shelter Surplus/ Deficit in People |
|---|---|---|---|---|---|---|
| REGION 5 TOTAL | | 73,451 | 82,968 | 18,290 | -55,161 | -64,668 |
| 6 | Brevard | 18,097 | 19,695 | 29,625 | 11,528 | 9,930 |
| | Lake | 16,331 | 18,962 | 10, 682 | -5,649 | -8,280 |
| | Orange | 13,938 | 15,876 | 6,320 | -7,618 | -9,556 |
| | Osceola | 9,885 | 12,169 | 10,824 | 939 | -1,345 |
| | Seminole | 3,405 | 3,810 | 8,497 | 5,092 | 4,687 |
| | Volusia | 30,193 | 32,886 | 8,826 | -21,368 | -24,061 |
| REGION 6 TOTAL | | 91,849 | 103,398 | 74,773 | -17,076 | -28,625 |
| 7 | DeSoto | 6,416 | 7,247 | 4,245 | -2,171 | -3,002 |
| | Hardee | 9,655 | 10,989 | 1,267 | -8,388 | -9,722 |
| | Highlands | 22,245 | 24,655 | 3,018 | -19,227 | -21,637 |
| | Okeechobee | 19,480 | 21,185 | 3,243 | -16,237 | -17,942 |
| | Polk | 41,840 | 45,235 | 11,172 | -30,668 | -34,063 |
| REGION 7 TOTAL | | 99,636 | 109,311 | 22,945 | -76,691 | -86,366 |
| 8 | Hillsborough | 134,705 | 146,823 | 79,553 | -55,152 | -67,270 |
| | Manatee | 42,425 | 47,089 | 23,024 | -19,401 | -24,065 |
| | Pasco | 63,866 | 70,359 | 23,413 | -40,454 | -46,947 |
| | Pinellas | 129,053 | 134,135 | 35,526 | -93,527 | -98,609 |
| REGION 8 TOTAL | | 370,049 | 398,406 | 161,516 | -208,534 | -236,891 |
| 9 | Charlotte | 29,649 | 33,336 | 1,500 | -28,149 | -31,836 |
| | Collier | 41,863 | 52,697 | 14,600 | -27,263 | -38,097 |
| | Glades | 5,900 | 6,902 | 607 | -5,293 | -6,295 |
| | Hendry | 6,222 | 7,307 | 4,004 | -2,218 | -3,303 |
| | Lee | 105,134 | 119,866 | 17,768 | -87,366 | -102,098 |
| | Sarasota | 49,040 | 53,017 | 30,286 | -18,754 | -22,731 |
| REGION 9 TOTAL | | 237,808 | 273,125 | 68,765 | -169,043 | -204,360 |
| 10 | Indian River | 6,800 | 7,636 | 7,521 | 721 | -115 |
| | Martin | 8,266 | 9,298 | 11,271 | 3,005 | 1,973 |
| | Palm Beach | 42,014 | 48,331 | 38,065 | -3,949 | -10,266 |
| | St. Lucie | 6,662 | 7,580 | 4,297 | -2,365 | -3,283 |
| REGION 10 TOTAL | | 63,742 | 72,845 | 61,154 | -2,588 | -11,691 |
| 11 | Broward | 40,349 | 45,635 | 41,475 | 1,126 | -4,160 |
| | Miami-Dade | 59,480 | 64,256 | 90,438 | 30,958 | 26,182 |
| | Monroe | 4,894 | 4,943 | 700 | -4,194 | -4,243 |
| REGION 11 TOTAL | | 104,723 | 114,834 | 132,613 | 27,890 | 17,779 |
| STATEWIDE TOTAL | | 1,236,369 | 1,369,872 | 643,719 | -592,650 | -726,153 |





## TABLE 3-2. Shelter Demand/Capacity In Square Feet

| REGION Number | County | 2004 Category 5 Shelter Demand (ft2) (estimated) | 2009 Category 5 Shelter Demand (ft2) (estimated) | 2004 Risk Shelter Capacity (ft2) | 2004 Shelter Surplus/ Deficit (ft2) | 2009 Shelter Surplus/ Deficit (ft2) |
|---|---|---|---|---|---|---|
| 1 | Bay | 299,180 | 322,620 | 150,292 | -148,888 | -172,328 |
| | Escambia | 306,280 | 323,860 | 346,499 | 40,219 | 22,639 |
| | Holmes | 28,300 | 30,600 | 33,832 | 5,532 | 3,232 |
| | Okaloosa | 258,920 | 281,320 | 16,000 | -242,920 | -265,320 |
| | Santa Rosa | 179,140 | 212,820 | 126,095 | -53,045 | -86,725 |
| | Walton | 97,220 | 116,200 | 93,400 | -3,820 | -22,800 |
| | Washington | 30,680 | 34,040 | 47,203 | 16,523 | 13,163 |
| REGION 1 TOTAL | | 1,199,720 | 1,321,460 | 813,321 | 386,399 | -508,139 |
| 2 | Calhoun | 27,900 | 30,040 | 0 | -27,900 | -30,040 |
| | Franklin | 3,700 | 4,040 | 0 | -3,700 | -4,040 |
| | Gadsden | 78,080 | 81,520 | 57,060 | -21,020 | -24,460 |
| | Gulf | 16,920 | 18,080 | 600 | -16,320 | -17,480 |
| | Jackson | 79,780 | 84,380 | 68,017 | -11,763 | -16,363 |
| | Jefferson | 17,580 | 18,680 | 12,520 | -5,060 | -6,160 |
| | Leon | 251,280 | 275,920 | 16,420 | -234,860 | -259,500 |
| | Liberty | 23,080 | 25,460 | 12,000 | -11,080 | -13,460 |
| | Wakulla | 15,140 | 18,000 | 13,000 | -2,140 | -5,000 |
| REGION 2 TOTAL | | 513,460 | 556,120 | 179,617 | -333,843 | -376,503 |
| 3 | Alachua | 177,020 | 192,040 | 61,500 | -115,520 | -130,540 |
| | Bradford | 41,340 | 44,220 | 35,537 | -5,803 | -8,683 |
| | Columbia | 113,160 | 127,420 | 12,289 | -100,871 | -115,131 |
| | Dixie | 53,580 | 60,000 | 31,840 | -21,740 | -28,160 |
| | Gilchrist | 41,320 | 48,400 | 70,320 | 29,000 | 21,920 |
| | Hamilton | 29,100 | 31,760 | 9,993 | -19,107 | -21,767 |
| | Lafayette | 17,980 | 19,860 | 9,159 | -8,821 | -10,701 |
| | Madison | 33,200 | 35,140 | 147,960 | 114,760 | 112,820 |
| | Suwannee | 89,220 | 99,800 | 7,109 | -82,111 | -92,691 |
| | Taylor | 45,620 | 48,200 | 24,000 | -21,620 | -24,200 |
| | Union | 24,200 | 27,140 | 39,680 | 15,480 | 12,540 |
| REGION 3 TOTAL | | 665,740 | 733,980 | 449,387 | -216,353 | -284,593 |
| 4 | Baker | 42,280 | 46,060 | 5,904 | -36,376 | -40,156 |
| | Clay | 206,640 | 234,240 | 78,656 | -127,984 | -155,584 |
| | Duval | 654,780 | 701,180 | 280,460 | -374,320 | -420,720 |
| | Flagler | 133,360 | 165,740 | 85,338 | -48,022 | -80,402 |
| | Nassau | 99,920 | 112,720 | 77,307 | -22,613 | -35,413 |
| | Putnam | 189,740 | 197,120 | 40,500 | -149,240 | -156,620 |
| | St. Johns | 196,580 | 231,280 | 196,960 | 380 | -34,320 |
| REGION 4 TOTAL | | 1,523,300 | 1,688,340 | 765,125 | -758,175 | -923,215 |
| 5 | Citrus | 296,760 | 328,280 | 66,881 | -229,879 | -261,399 |
| | Hernando | 346,400 | 386,620 | 95,580 | -250,820 | -291,040 |
| | Levy | 103,720 | 116,900 | 49,100 | -54,620 | -67,800 |
| | Marion | 563,760 | 635,300 | 154,821 | -408,939 | -480,479 |
| | Sumter | 158,380 | 192,060 | 23,420 | -134,960 | -168,640 |

**TABLE 3-2. Shelter Demand/Capacity In Square Feet**

| REGION Number | County | 2004 Category 5 Shelter Demand (ft2) (estimated) | 2009 Category 5 Shelter Demand (ft2) (estimated) | 2004 Risk Shelter Capacity (ft2) | 2004 Shelter Surplus/ Deficit (ft2) | 2009 Shelter Surplus/ Deficit (ft2) |
|---|---|---|---|---|---|---|
| REGION 5 TOTAL | | 1,469,020 | 1,659,160 | 389,802 | -1,079,218 | -1,269,358 |
| 6 | Brevard | 361,940 | 393,900 | 604,300 | 242,360 | 210,400 |
| | Lake | 326,620 | 379,240 | 223,420 | -103,200 | -155,820 |
| | Orange | 278,760 | 317,520 | 131,655 | -147,105 | -185,865 |
| | Osceola | 197,700 | 243,380 | 216,487 | 18,787 | -26,893 |
| | Seminole | 68,100 | 76,200 | 173,928 | 105,828 | 97,728 |
| | Volusia | 603,860 | 657,720 | 205,480 | -398,380 | -452,240 |
| REGION 6 TOTAL | | 1,836,980 | 2,067,960 | 1,555,270 | -281,710 | -512,690 |
| 7 | DeSoto | 128,320 | 144,940 | 113,838 | -14,482 | -31,102 |
| | Hardee | 193,100 | 219,780 | 25,346 | -167,754 | -194,434 |
| | Highlands | 444,900 | 493,100 | 60,360 | -384,540 | -432,740 |
| | Okeechobee | 389,600 | 423,700 | 64,850 | -324,750 | -358,850 |
| | Polk | 836,800 | 904,700 | 216,281 | -620,519 | -688,419 |
| REGION 7 TOTAL | | 1,992,720 | 2,186,220 | 480,675 | -1,512,045 | -1,705,545 |
| 8 | Hillsborough | 2,694,100 | 2,936,460 | 1,596,862 | -1,097,238 | -1,339,598 |
| | Manatee | 848,500 | 941,780 | 433,683 | -414,817 | -508,097 |
| | Pasco | 1,277,320 | 1,407,180 | 487,120 | -790,200 | -920,060 |
| | Pinellas | 2,581,060 | 2,682,700 | 715,490 | -1,865,570 | -1,967,210 |
| REGION 8 TOTAL | | 7,400,980 | 7,968,120 | 3,233,155 | -4,167,826 | -4,734,965 |
| 9 | Charlotte | 592,980 | 666,720 | 30,000 | -562,980 | -636,720 |
| | Collier | 837,260 | 1,053,940 | 327,000 | -510,260 | -726,940 |
| | Glades | 118,000 | 138,040 | 12,134 | -105,866 | -125,906 |
| | Hendry | 124,440 | 146,140 | 81,705 | -42,735 | -64,435 |
| | Lee | 2,102,680 | 2,397,320 | 365,360 | -1,737,320 | -2,031,960 |
| | Sarasota | 980,800 | 1,060,340 | 643,053 | -337,747 | -417,287 |
| REGION 9 TOTAL | | 4,756,160 | 5,462,500 | 1,459,252 | -3,296,908 | -4,003,248 |
| 10 | Indian River | 136,000 | 152,720 | 171,243 | 35,243 | 18,523 |
| | Martin | 165,320 | 185,960 | 230,834 | 65,514 | 44,874 |
| | Palm Beach | 840,280 | 966,620 | 761,300 | -78,980 | -205,320 |
| | St. Lucie | 133,240 | 151,600 | 85,940 | -47,300 | -65,660 |
| REGION 10 TOTAL | | 1,274,840 | 1,456,900 | 1,249,317 | -25,523 | -207,583 |
| 11 | Broward | 806,980 | 912,700 | 911,500 | 104,520 | -1,200 |
| | Miami-Dade | 1,189,600 | 1,285,120 | 1,818,760 | 629,160 | 533,640 |
| | Monroe | 97,880 | 98,860 | 14,000 | -83,880 | -84,860 |
| REGION 11 TOTAL | | 2,094,460 | 2,296,680 | 2,744,260 | 649,800 | 447,580 |
| STATEWIDE TOTAL | | 24,727,380 | 27,397,440 | 13,319,811 | -11,408,199 | -14,078,259 |





## 4.0 TYPES OF PUBLIC FACILITIES THAT SHOULD COMPLY WITH PUBLIC SHELTER DESIGN CRITERIA

By statute, all suitable public facilities are subject to being used as public hurricane evacuation shelters in a declared state or local emergency. Therefore, any suitable new public facility should include the EHPA criteria. This includes not only public educational facilities, but also certain types of state and local government facilities. In general, facilities that are designed for public assembly, either as a primary or auxiliary use, may be appropriate for use as public shelters during an emergency. At this time, only public educational facilities are subject to the EHPA criteria by statute and code. This is primarily due to the fact that public educational facilities account for nearly 95 percent of current public hurricane shelter space, and relatively few other state and local facilities are appropriate for use as public shelters.

The public shelter space may be located in a single building or a complex of buildings, placed in a single large room or a complex of rooms in close proximity to each other, or in one or more stories of multistory building(s); preferably with a means of inside circulation and convenient access to toilets.

To determine if a proposed new public facility should be subject to the EHPA criteria, regardless of non-educational function or agency with ownership, the proposed facility should be reviewed based upon the exemption criteria given in Section 2.2 of this Plan. Facilities not subject to an exemption may be appropriate for use as public hurricane shelters. The decision to incorporate the EHPA criteria into a new public facility must be coordinated with the local emergency management agency(s) or the Department.

### 4.1 Public Schools and Community Colleges

District public schools (K-12) are the primary source of public hurricane shelter space in Florida, accounting for about 93 percent of current capacity. This is due to the fact that schools are widely distributed in populated areas, school facilities are designed for large assembly occupancies with many inherent mass care features (e.g., adequate quantity of toilets, dining/feeding areas, etc.), access to the facilities can be coordinated through a single local agency, etc. The types of school buildings that are potentially appropriate for use as public shelters include gymnasiums, cafeterias, multipurpose facilities, auditoriums, certain classroom buildings, etc.

Community colleges account for only about one (1) percent of current public shelter capacity. Community colleges are regionally distributed, and potentially located in areas with high demands for public hurricane shelter space. Also like K-12 public schools, community colleges are normally designed for large assembly occupancies and possess many inherent mass care features. The types of college buildings that are potentially appropriate for use as public shelters include gymnasiums, cafeterias, multipurpose facilities, auditoriums, certain classroom buildings, etc.

## 4.2 Charter Schools

Charter schools appear to have a general exemption from meeting many of the requirements of the K-20 Education Code; reference s. 1002.33(16)(a), F.S. However, per s. 1002.33(18), F.S., charter schools are required to utilize facilities which comply with the State Uniform Building Code for Public Educational Facilities Construction, adopted pursuant to s. 1013.37, F.S. (i.e., SREF), or with applicable state minimum building codes. It is the opinion of the Department, in consultation with the Department of Education, that new charter school facilities that either select or are subject to section 423, FBC are subject to the EHPA criteria.

Charter schools may be used to expand the capacity of the public school system. Therefore, under some circumstances, a charter school may replace construction of a new public school facility within a geographic area of a county or region where there is significant demand for public hurricane shelter space. Under normal circumstances, a new public school facility would be lawfully required by statute and code to incorporate the EHPA criteria. If charter schools were exempt, this would limit the ability of both the board and emergency management agencies to reduce the public hurricane shelter space deficit.

Charter schools are eligible to receive state capital outlay funding to support construction, operation, maintenance, repair or other purposes, and such facilities, when located on district property, are subject to reversion to the district school board in the event that a charter school terminates operation. Given the public investment in the facilities, and the magnitude of the hurricane shelter space deficit, certain charter schools should be required to comply with the EHPA criteria.

The following are factors to be considered in determining if a specific new charter school facility should incorporate the EHPA criteria: 1) are state capital outlay funds supporting the construction project; 2) does the project meet the definition of "new construction" as defined in s. 1013.01(14), F.S. or s. 423.5.8, FBC; 3) would the facility be subject to an exemption per s. 1013.372(1), F.S., due its location, size or other characteristic; 4) would the facility be subject to reversion to the district board if charter school operations terminate; or, 5) will the facility be subject to use as a public hurricane shelter per s. 252.385(4)(a), F.S., because it is owned or leased by a state or local governmental entity.

## 4.3 State Universities

State university facilities account for only about one (1) percent of current public hurricane shelter capacity. Unlike K-12 public schools and community colleges, state university campuses may not be as widely distributed, though several are potentially located in areas with high demands for public hurricane shelter space (e.g., Florida Gulf Coast University, University of South Florida, etc.) Main campuses and some satellite campuses may have several appropriate buildings concentrated in one (or more)





proximate geographic area. This concentration of shelter spaces reduces staffing and logistical resource demands of a sheltering operation.

State university facilities are normally designed for large assembly occupancies, with many having inherent mass care features. The types of university buildings that are potentially appropriate for use as public shelters include gymnasiums, field houses and sports arenas, cafeterias, multipurpose facilities, auditoriums, certain classroom buildings, etc.

State universities must consider two separate populations when developing their public shelter strategies: 1) campus staff, faculty and their families, and students (both commuters and residential); and 2) the general public. University facilities may be designated for sole use by one population, or concurrent use by both populations, at the discretion of the university board with the concurrence of local emergency management agency or the Department. Residential facilities are not normally subject to the EHPA criteria, but incorporation of the criteria into new residential housing or dormitories (or portions thereof) will free up additional hurricane shelter space for the general public in appropriate non-residential facilities.

## 4.4 State and Local Public Facilities

Local public facilities account for about four (4) percent of current public hurricane shelter capacity. (Privately-owned and non-educational state-owned facilities account for less than one percent of the hurricane shelter space inventory.) Given their administrative function (and essential emergency function of certain facilities) most state-owned, county-owned and municipally-owned facilities are not appropriate for use as public hurricane shelters. Administrative office and support areas, data and word processing rooms and areas, record vaults, etc., are exempt from the EHPA criteria. However, certain other types of public facilities may be appropriate, such as community or civic centers, meeting halls, auditoriums, exhibition halls, sports arenas, conference or training centers, and other public assembly facilities.

## 5.0 RECOMMENDED SOURCES OF FUNDING

School districts have generally been reporting that the construction cost premium for incorporating the EHPA criteria is about two (2) to six (6) percent. For most new facilities, this appears to translate into a construction cost premium of less than $500,000. These are small, but not necessarily inconsequential, costs that must be borne by state and local agencies. Therefore, s. 1013.372(2), F.S. requires that the Department recommend an appropriate and available source of funding for the additional cost of constructing emergency shelters. There is no dedicated state source of funding to support construction of EHPAs, so the Department recommends use of existing state capital outlay funds.

### 5.1 Public Schools, Community Colleges and University Facilities

The only significant and applicable funding source available at this time for district public schools, community colleges and universities is Public Education Construction Outlay (PECO) funds. These funds are earmarked for site acquisition and improvements necessary to accommodate buildings, equipment, and other structures of district school boards, community colleges and universities. Therefore, the Department recommends PECO funds, which are an appropriate and available source of state funding.

### 5.2 Department of Management Services Facilities

If the additional cost of adding emergency shelter capabilities to a new Department of Management Services (DMS) building is not very large (e.g., less than five percent) such that the project remains financially supportable by the rental rate, then the EHPA-related cost premium can be included in the overall construction amount financed via bond issue. An analysis should be performed to ensure that the bondholders' interest in the new facility is not compromised.

Alternatively, the additional cost can be added to the General Revenue component of the project funding request. Although the construction of buildings may be financed, some general revenue funding must be included in the overall budget request for various non-construction costs such as architectural and engineering fees, land acquisition and impact assessments. The funding for non-standard items (e.g. equipment, ancillary facilities) are also typically included as general revenue in request.

### 5.3 Other Mitigation Funds

From time to time, some federal and state mitigation-related funds may be available to support the construction cost premium for improving hurricane-resistance **above** minimum code requirements for new facilities. As an example, some mitigation programs may share the cost of increasing the design wind speed by the EHPA criteria's





recommended 40 miles per hour. The principal federal/state mitigation program is the Hazard Mitigation Grant Program (HMGP). However, the HMGP is not considered normally "available" for most new construction projects, since its grant cycles are often associated with disaster declarations. The HMGP also has a pre-disaster mitigation (PDM) grant cycle which is nationally competitive. Information on the mitigation programs can be obtained through state and local emergency management agencies.

### 5.4 Global Match Considerations

Global match is the pooling of multi-agency investments and resources to achieve a common goal. By agreement with the Federal Emergency Management Agency, Florida can pool state and local expenditures for improved hurricane-resistance of facilities to use as non-federal cost-share for HMGP projects.

Documented construction cost premiums of EHPA projects, that exceed minimum hurricane-resistance code requirements, can be used by the board and state and local emergency management agencies as non-federal cost-share (or match) for HMGP funded projects. As an example, the documented construction cost premium to increase the design wind speed of a new school facility by the code recommended 40 miles per hour is $300,000. Assuming the new school facility project meets other HMGP programmatic requirements (e.g., eligibility, benefit-cost, etc.), the $300,000 can be used as the state and local match to support other hurricane-resistance retrofit projects; such as, installing window protection on another facility that can be used as a public hurricane shelter.

Global match has been used to create an estimated 162,000 public hurricane shelter spaces since 1999. The Department requests that boards document the construction cost premium of EHPA construction projects, and forward the information to the local emergency management agency and the Division. The documentation must specifically separate hurricane-resistance mitigation construction costs from other non-mitigation costs. As an example, the cost premium due to installation of heavier roof joists at a closer spacing is eligible, but installing additional toilets is not eligible.

## 6.0 STATEWIDE PROGRESS TOWARD ELIMINATING THE PUBLIC HURRICANE EVACUATION SHELTER SPACE DEFICIT

The Division has statutory responsibility and authority to administer a statewide program to eliminate the deficit of "safe" hurricane shelter space. To accomplish this objective, the Division has implemented a multifaceted program. This program includes: 1) survey of existing buildings, both public and private, to identify suitable shelter capacity; 2) where cost effective (and practical), support mitigation and retrofitting of facilities to increase shelter capacity; 3) construction of new facilities to meet the EHPA criteria; 4) shelter demand reduction through improved hurricane hazard models and behavioral studies; and, 5) improve public information/education to reduce unnecessary "shadow" evacuations.

Since 1995, the Division has been performing a survey of existing designated and potential hurricane shelters. To date, the Division has completed more than 68 percent of the survey, and projects that the baseline survey will be completed by 2005. The initial findings of the survey were not encouraging. The vast majority of the designated hurricane shelters were in buildings that did not meet the ARC 4496 guidelines. As examples, the pre-survey designated hurricane shelters rarely had adequate (if any) window protection (83 percent), and were often constructed with long span roofs (41 percent) and unreinforced masonry walls (43 percent). The initial results of the survey began, for the first time, to quantify the actual condition of Florida's hurricane shelter inventory, instead of relying on anecdotal concerns that had been expressed for more than 20 years. However, during the survey process, hundreds of thousands of spaces were identified that only required minor retrofitting (e.g., window protection) to meet the ARC 4496 guidelines.

Between 1995 and 2000, the reported hurricane shelter space deficit increased considerably; from about 361,000 in 1996 to more than 1.5 million in 2000. During this time-frame, less than 200,000 hurricane shelter spaces could be documented, primarily in the southeastern and east-central coastal regions of the state. This capacity was principally the result of post-Hurricane Andrew HMGP funding of public school window protection projects. No other significant source of funding had been identified to support the minor retrofit projects being documented during the survey process.

Concurrently, legislation in s. 235.26(9)(a), F.S. (superseded by 1013.372(1), F.S.) stated that all new educational facilities for which a design contract was entered into after July 1, 1995 were required to incorporate the public shelter design criteria. However, the criteria did not become effective until April 28, 1997, and it is not unusual for there to be a three-year delay between promulgation and availability of the first group of compliant facilities. Therefore, minimal progress was made prior to 2000 via construction of new public schools to the EHPA criteria.





By 2000, the reported hurricane shelter space deficit peaked as the strategy originally directed by Chapter 93-211, Laws of Florida, began to produce results. As a benchmark, the *2000 Statewide Emergency Shelter Plan* reported that Florida had a statewide hurricane shelter space deficit of more than 1.5 million spaces. This reported deficit affected every region of the state, but especially the southern and central regions of the peninsula. This did not imply that in any given storm that 1.5 million evacuees would simultaneously seek public shelter, but reflects the state's cumulative hurricane shelter space deficit. State and local emergency managers and other public officials prefer that persons ordered to evacuate for a hurricane stay within their home county or region, and not evacuate long distances. The *2000 Statewide Emergency Shelter Plan's* published statewide and regional deficits served to quantify the challenge that lay ahead.

The 1999 Legislature appropriated more than $2.2 million to support a hurricane shelter retrofitting initiative. The appropriation stipulated that the funds be used to shutter school buildings for use as hurricane shelters. The Department used the *1999 Shelter Retrofit Report* to identify and prioritize projects to receive the funds. A total of 58 projects were selected, which created an estimated 34,928 spaces. The 2000 Legislature followed-up with an additional $18 million (combined federal, state and local funds) to complete the projects listed in the *1999 Shelter Retrofit Report*. The 2000 appropriation included funds from the Hurricanes Floyd and Irene federal HMGP declaration, which were earmarked to support the state's effort to reduce the deficit of hurricane shelter space. Since 2000, subsequent Legislatures have appropriated more than $10 million in additional state funds to support projects recommended in subsequent *Shelter Retrofit Reports*. These appropriations have created about an additional 92,867 hurricane shelter spaces.

The *2003 Shelter Retrofit Report* can provide additional information concerning Florida's hurricane shelter survey and retrofit program. The *2003 Shelter Retrofit Report* can be viewed at the following web address:

http://floridadisaster.org/bpr/Response/engineers/documents/03ShelterRetrofit.pdf

Since 1995, through federal, state, and local retrofitting of suitable facilities, Florida has created a total of about 410,000 public hurricane shelter spaces. The "Retrofitted / Mitigated Capacity Gained" column of Table 6-1 demonstrates county-by-county progress toward eliminating the hurricane shelter space deficit by retrofitting appropriate facilities to meet ARC 4496. The majority of this retrofit capacity has been created since 1999. Though regions and counties with the greatest deficits received priority for available retrofit funds, there has been a more widespread distribution of the retrofit funds due to the statewide nature of the deficit. Some of the retrofitted facilities have less than preferred mass care characteristics (e.g., conveniently located toilet facilities, etc.), but the retrofit program produced a rapid improvement in the safety of Florida's hurricane shelter inventory.

Creation of hurricane shelter capacity through construction of new school facilities to the EHPA criteria has also increased since 1999. Local emergency management and school board officials have reported that about 209,600 EHPA shelters spaces have been created. The "EHPA Capacity Gained" column of Table 6-1 demonstrates county-by-county progress toward eliminating the hurricane shelter space deficit via EHPA construction. The application of the EHPA criteria has been inconsistent across the state, with several counties reporting construction of relatively few (if any) EHPAs. EHPA spaces account for about one-third (1/3) of the state's total capacity of ARC 4496 hurricane shelter spaces. However, as with any program, "institutionalization" takes time to evolve, and progress is being made.

Cumulatively, since 1995, the Division's hurricane shelter survey and retrofit program has directly or indirectly led to identification or creation of about 434,000 hurricane shelter spaces that meet ARC 4496 guidelines. The EHPA construction program has created about 209,600 hurricane shelter spaces. Therefore, by the 2004 hurricane season, Florida will have a total of about 643,700 shelter spaces that meet ARC 4496 guidelines.

**Table 6-1. Hurricane Shelter Deficit Reduction Cumulative Progress (1995-2004)**

**County Retrofit/EHPA Cumulative Totals**

| Totals Per County | Pre-Mitigation ARC 4496 Capacity (persons) | EHPA Capacity Gained (persons) | Retrofitted / Mitigated Capacity Gained (persons) | Total ARC 4496 Spaces |
|---|---|---|---|---|
| ALACHUA | 0 | 0 | 3,075 | 3,075 |
| BAKER | 0 | 295 | 0 | 295 |
| BAY | 0 | 1,211 | 6,304 | 7,515 |
| BRADFORD | 0 | 0 | 1,644 | 1,644 |
| BREVARD | 2,500 | 2,875 | 24,250 | 29,625 |
| BROWARD | 0 | 41,475 | 0 | 41,475 |
| CALHOUN | 0 | 0 | 0 | 0 |
| CHARLOTTE | 0 | 0 | 1,500 | 1,500 |
| CITRUS | 0 | 544 | 2,800 | 3,344 |
| CLAY | 0 | 1,363 | 1,849 | 3,212 |
| COLLIER | 0 | 5,500 | 9,100 | 14,600 |
| COLUMBIA | 0 | 614 | 0 | 614 |
| DESOTO | 0 | 0 | 4,245 | 4,245 |
| DIXIE | 0 | 460 | 1,132 | 1,592 |
| DUVAL | 0 | 2,467 | 10,014 | 12,481 |
| ESCAMBIA | 155 | 1,179 | 15,493 | 16,827 |
| FRANKLIN | 0 | 0 | 0 | 0 |
| FLAGLER | 0 | 0 | 4,267 | 4,267 |





**Table 6-1. Hurricane Shelter Deficit Reduction Cumulative Progress (1995-2004)**

**County Retrofit/EHPA Cumulative Totals**

| Totals Per County | Pre-Mitigation ARC 4496 Capacity (persons) | EHPA Capacity Gained (persons) | Retrofitted / Mitigated Capacity Gained (persons) | Total ARC 4496 Spaces |
|---|---|---|---|---|
| GADSEN | 0 | 2,453 | 400 | 2,853 |
| GILCHRIST | 0 | 0 | 3,390 | 3,390 |
| GLADES | 0 | 0 | 607 | 607 |
| GULF | 0 | 0 | 10 | 10 |
| HAMILTON | 0 | 0 | 501 | 501 |
| HARDEE | 0 | 514 | 753 | 1,267 |
| HENDRY | 0 | 1,000 | 3,004 | 4,004 |
| HERNANDO | 0 | 263 | 4,087 | 4,350 |
| HIGHLANDS | 0 | 334 | 2,684 | 3,018 |
| HILLSBOROUGH | 3,346 | 35,347 | 40,860 | 79,553 |
| HOLMES | 0 | 850 | 0 | 850 |
| INDIAN RIVER | 0 | 0 | 7,521 | 7,521 |
| JACKSON | 0 | 2,505 | 896 | 3,401 |
| JEFFERSON | 0 | 626 | 0 | 626 |
| LAFAYETTE | 0 | 0 | 368 | 368 |
| LAKE | 0 | 7,870 | 2,812 | 10,682 |
| LEE | 0 | 5,125 | 12,643 | 17,768 |
| LEON | 821 | 0 | 0 | 821 |
| LEVY | 240 | 0 | 2,215 | 2,455 |
| LIBERTY | 0 | 600 | 0 | 600 |
| MADISON | 0 | 0 | 7,398 | 7,398 |
| MANATEE | 1,566 | 5,488 | 15,970 | 23,024 |
| MARION | 0 | 1,470 | 5,500 | 6,970 |
| MARTIN | 0 | 4,898 | 6,373 | 11,271 |
| MIAMI-DADE | 0 | 12,773 | 77,665 | 90,438 |
| MONROE | 0 | 0 | 700 | 700 |
| NASSAU | 0 | 2,866 | 872 | 3,738 |
| OKALOOSA | 0 | 750 | 50 | 800 |
| OKEECHOBEE | 0 | 1,011 | 2,232 | 3,243 |
| ORANGE | 0 | 2,949 | 3,371 | 6,320 |
| OSCEOLA | 0 | 7,165 | 3,659 | 10,824 |
| PALM BEACH | 400 | 18,185 | 19,480 | 38,065 |
| PASCO | 3,380 | 3,940 | 16,093 | 23,413 |
| PINELLAS | 10,484 | 5,000 | 20,042 | 35,526 |
| POLK | 0 | 8,331 | 2,841 | 11,172 |
| PUTNAM | 0 | 1,300 | 725 | 2,025 |

**Table 6-1. Hurricane Shelter Deficit Reduction Cumulative Progress (1995-2004)**

**County Retrofit/EHPA Cumulative Totals**

| Totals Per County | Pre-Mitigation ARC 4496 Capacity (persons) | EHPA Capacity Gained (persons) | Retrofitted / Mitigated Capacity Gained (persons) | Total ARC 4496 Spaces |
|---|---|---|---|---|
| ST.JOHNS | 0 | 1,900 | 5,420 | 7,320 |
| ST.LUCIE | 0 | 0 | 4,297 | 4,297 |
| SANTA ROSA | 846 | 352 | 5,953 | 7,151 |
| SARASOTA | 0 | 7,506 | 22,780 | 30,286 |
| SEMINOLE | 0 | 0 | 8,497 | 8,497 |
| SUMTER | 0 | 200 | 971 | 1,171 |
| SUWANNEE | 0 | 0 | 355 | 355 |
| TAYLOR | 0 | 600 | 0 | 600 |
| UNION | 0 | 1,060 | 824 | 1,884 |
| VOLUSIA | 0 | 1,253 | 7,573 | 8,826 |
| WAKULLA | 0 | 650 | 0 | 650 |
| WALTON | 0 | 4,385 | 60 | 4,445 |
| WASHINGTON | 0 | 153 | 2,203 | 2,356 |
| **Totals** | **23,738** | **209,654** | **410,327** | **643,719** |

Florida is also reducing its hurricane shelter deficit by implementing new technologies, such as Light Detection And Ranging (LIDAR), and improved SLOSH computer models. These new technologies have been able to more precisely determine which areas are vulnerable to hurricane storm surge. As a result of these improved techniques, new hurricane evacuation studies have been performed, which in many cases either removed certain areas from storm surge zones, or at least minimized the surge height predicted.

Armed with new storm tide atlases and hurricane evacuation studies, local emergency management officials are then able to refine their designated evacuation zones for each storm scenario. Smaller evacuation areas represent less people at risk. Fewer people at risk means fewer evacuees. Fewer evacuees translates into reduced shelter demand. Two examples are Broward and Miami-Dade counties. Through a LIDAR project, Broward County was able to reduce its number of hurricane evacuees by about 250,000 residents, which reduced shelter demand by an estimated 37,500 spaces. Miami-Dade County was also able to reduce its evacuation zones through more precise ground survey methods. Its new evacuation zones reduce the number of those who must evacuate by approximately 395,000, which reduced shelter demand by an estimated 59,250 spaces.





Hurricane shelter demand has also been reduced through adjustments to reflect more current and accurate census information (i.e., 2000 census vs. 1990 census), and changes in the methodology of Hurricane Evacuation Studies. Historically, 25 percent or more of a hurricane vulnerable population were projected to seek safety in public shelters. Many of the post-1998 Hurricane Evacuation Studies are now indicating that fewer than 15 percent will seek public shelter for a Category 5 hurricane. Since publication of the *2000 Statewide Emergency Shelter Plan*, the statewide average demand has fallen from about 24 percent to about 16 percent with publication of this Plan. The practical effect is an apparent reduction in hurricane shelter space demand of 540,237 since 2000; though in reality this means federal, state and local agencies do not have to invest public funds to create the additional 540,237 "bricks-and-mortar" shelter spaces.

The Department has also developed a public information program to compliment the other hurricane shelter deficit reduction efforts. The Department has educated residents on the hazards they face and how to best deal with them. A key issue is whether or not to evacuate and, if so, to where. Education on the hazards and how they affect a community will lead to residents making better-informed decisions in a crisis. That effort is being supported by public service announcements, hurricane expositions, training of local responders and volunteers, and through emergency messages during times of crisis. This is expected to be a long-term process that will help to reduce the need for public hurricane shelter space.

As can be seen in Table 6-2, the apparent maximum hurricane shelter space deficit of more than 1.5 million, as reported in the *2000 Statewide Emergency Shelter Plan*, has been dramatically reduced. Florida's hurricane shelter survey and retrofit program, which includes federal, state, local and private-sector partners, has identified or created about 434,000 shelter spaces, public education agencies have created an additional 209,600 shelter spaces through construction of new school facilities to meet the EHPA criteria, and hurricane shelter space demand reduction measures have proven effective by reducing the apparent 2000 demand by about 540,200 spaces. With publication of this Plan, Florida's hurricane shelter space deficit has been reduced to 592,650 spaces.

Significant progress has been made toward eliminating Florida's deficit of public hurricane shelter space. Since publication of the *2000 Statewide Emergency Shelter Plan*, Florida now has 12 counties with demonstrable surpluses of hurricane shelter space. The counties with surpluses include Brevard, Broward, Escambia, Gilchrist, Indian River, Madison, Miami-Dade, Martin, Osceola, Seminole, Union and Washington. Also, for the first time in recent history, Florida has a region with a demonstrable surplus of hurricane shelter space. The South Florida Regional Planning Council region (RPC 11), which includes Broward, Miami-Dade and Monroe counties, has a surplus of hurricane shelter space. Since 1995, Florida has reduced its hurricane shelter space deficit by at least 50 percent.

**Table 6-2. Summary of Findings from Statewide Emergency Shelter Plans (2000-2004)**

| Statewide Emergency Shelter Plan source | Statewide Hurricane Vulnerable Pop. (people) | Statewide Hurricane Shelter Demand (spaces*) | Statewide Hurricane Shelter Capacity (spaces*) | Statewide Hurricane Shelter (Deficit) / Surplus (spaces*) |
|---|---|---|---|---|
| 2000 Statewide Emergency Shelter Plan (for year 2000, based on 1990 census data) | 7,251,360 | 1,776,606 | 274,674 | (1,501,931) |
| 2002 Statewide Emergency Shelter Plan (for year 2002, based on 2000 census data) | 7,931,809 | 1,497,913 | 462,542 | (1,035,371) |
| 2004 Statewide Emergency Shelter Plan (for year 2004, based on 2000 census data) | 7,920,275 | 1,236,369 | 643,719 | (592,650) |
| 2009 Projected deficit per 2004 Statewide Emergency Shelter Plan (for year 2009, based on 2000 census data) | 8,816,275 | 1,369,872 | 643,719** | (726,153) |

* - Based on 20 square feet per shelter space.

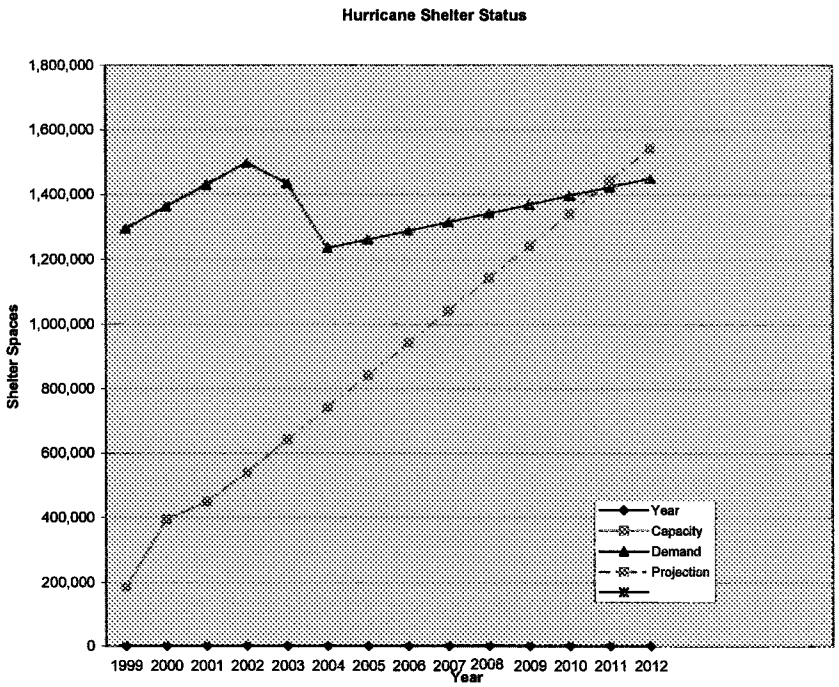
** - 2009 projected hurricane shelter capacity shown includes only estimated 2004 capacity, which indicates deficit in 2009 if no additional retrofitting or EHPA capacity is created (i.e., worst-case scenario).

As can be seen in Figure 6-1, the Department can now make a realistic estimate as to when the hurricane shelter space deficit may be eliminated. Based upon a cursory analysis of Florida Inventory of School Houses (FISH) inventory data, the Department found that about 6.8 million square feet of potentially suitable shelter space was constructed between 2000 and 2003. This quantity of square footage could potentially create as many as 340,000 new hurricane shelter spaces. Assuming that this is an average rate of construction, new construction could create about 85,000 EHPA spaces per year. Section 215.559(2)(b), F.S., directs an annual appropriation of $3 million to the Department for shelter retrofit projects. This level of funding is estimated to create an average of about 25,000 retrofitted hurricane shelter spaces per year. The following graph assumes a 25,000 space increase per year via $3 million in state retrofit funds, and a 75,000 space increase per year via other sources (primarily EHPAs). Together, this will create a combined 100,000 hurricane shelter spaces per year that meet ARC 4496. The Department estimates that by 2011, the state's deficit of hurricane shelter spaces may be eliminated.





**Figure 6-1. Projected Hurricane Shelter Deficit Reduction**



## 7.0 CONCLUSIONS

As a result of Hurricane Andrew and the Lewis Commission Report, the State of Florida recognized the necessity of providing safe hurricane shelter space for its residents during disasters. Subsequently, 1013.372(2), Florida Statutes, requires that the Department of Community Affairs submit to the Governor and Cabinet for approval, every two years, the *Statewide Emergency Shelter Plan.* The Plan provides a listing of "safe" public shelter spaces (and square footage) versus estimated shelter demand for each county, Regional Planning Council region, and the state overall.

The 2004 Plan shows significant progress in reducing the deficit of "safe" public hurricane shelter space in Florida. Since 1995, more than 643,719 hurricane shelter spaces have been identified, created through retrofitting of existing buildings, or through new construction (e.g., EHPAs). In the 2000 Plan, the estimated shelter demand was 1,776,606 spaces. Through more accurate mapping of coastlines in certain counties (i.e., LIDAR mapping) and other improved topographic survey techniques, which reduced evacuation zones, and through improved shelter demand studies, the estimated public hurricane shelter demand has been reduced to 1,236,369 spaces for 2004. This is so, despite an increasing state population. Thus the overall state public hurricane shelter deficit has been reduced from 1,501,931 spaces in 2000, to 592,650 spaces in 2004.

For the 2004 Plan, the Department has documented twelve counties that now demonstrate public hurricane shelter space surpluses. The counties with surpluses are Brevard, Broward, Escambia, Gilchrist, Indian River, Madison, Miami-Dade, Martin, Osceola, Seminole, Union and Washington. Also for the first time, Florida has a region (RPC region 11) with a demonstrable shelter surplus.

For the future, preliminary estimates indicate that, if the current rate of shelter space production is maintained, that the public hurricane shelter deficit will be eliminated by 2011. However, the state population is increasing yearly, and over time, current designated hurricane shelter buildings will be decommissioned due to age and other issues (e.g., more preferred alternatives available, etc.) Thus, even once the deficit is eliminated, a "maintenance level" of shelter space production will be necessary to avoid falling back into a deficit situation.





**APPENDIX**

## County Shelter Information

ALACHUA

| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity (ft²) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
|---|---|---|---|---|---|---|---|---|
| Alachua Elementary - | Bldg 5/Halls | 218 NE 4th Avenue | Alachua | 32615 | 0 | 0 | 0 | 91 |
| Bishop Middle - | Bldg. 1/Hall | 1901 NE 9th Street | Gainesville | 32609 | 0 | 0 | 0 | 37 |
| Bishop Middle - | Bldg. 19/Gym | 1901 NE 9th Street | Gainesville | 32609 | 270 | 0 | 0 | 0 |
| Bishop Middle - | Bldg. 21/Hall | 1901 NE 9th Street | Gainesville | 32609 | 0 | 0 | 0 | 28 |
| Buchholz High - | Bldg. 5/Gym | 5510 NW 27th Avenue | Gainesville | 32606 | 394 | 0 | 0 | 0 |
| Eastside High - | Bldg. 7/Gym | 1201 SE 45th Terrace | Gainesville | 32641 | 394 | 0 | 0 | 0 |
| Eastside High | Bldg. 9/Halls | 1201 SE 45th Terrace | Gainesville | 32641 | 0 | 0 | 0 | 73 |
| Fort Clarke Middle - | Bldg. 2/Gym | 9301 NW 23rd Avenue | Gainesville | 32606 | 297 | 0 | 0 | 0 |
| Gainesville High - | Bldg. 15/Gym | 1900 NW 13th Street | Gainesville | 32609 | 464 | 0 | 0 | 0 |
| Gainesville High - | Bldg. 22/Halls | 1900 NW 13th Street | Gainesville | 32609 | 0 | 0 | 0 | 58 |
| Hawthorne High - | Bldg. 2/Gym | 602 W Lake Avenue | Hawthorne | 32640 | 311 | 0 | 0 | 0 |
| Hidden Oak Elementary - | Bldg. 1/Halls | 9205 NW 23rd Avenue | Gainesville | 32606 | 0 | 0 | 0 | 173 |
| High Springs Elementary - | Bldg. 4/Halls | 1015 N Main Street | High Springs | 32643 | 0 | 0 | 0 | 116 |
| High Springs Elementary - | Bldg. 5/Halls | 1015 N Main Street | High Springs | 32643 | 0 | 0 | 0 | 48 |
| Idylwild Elementary - | Bldg. 14/Halls | 4601 SW 20th Terrace | Gainesville | 32608 | 0 | 0 | 0 | 32 |
| Irby Elementary - | Bldg. 1/Halls | 1349 SE 1st Street | Alachua | 32601 | 0 | 0 | 0 | 258 |
| Irby Elementary - | Bldg. 2/Halls | 1349 SE 1st Street | Alachua | 32601 | 0 | 0 | 0 | 266 |
| Irby Elementary - | Bldg. 3/Halls | 1349 SE 1st Street | Alachua | 32601 | 0 | 0 | 0 | 247 |
| Kanapaha Middle | Bldg. 3/Halls | 5005 SW 75th Street | Gainesville | 32608 | 0 | 0 | 0 | 115 |
| Kanapaha Middle | Bldg. 4/Halls | 5005 SW 75th Street | Gainesville | 32608 | 0 | 0 | 0 | 115 |
| Kanapaha Middle | Bldg. 5/Gym | 5005 SW 75th Street | Gainesville | 32608 | 295 | 0 | 0 | 0 |
| Kanapaha Middle | Bldg. 6/Cafeteria | 5005 SW 75th Street | Gainesville | 32608 | 0 | 0 | 0 | 158 |
| Kanapaha Middle | Bldg. 7/Halls | 5005 SW 75th Street | Gainesville | 32608 | 0 | 0 | 0 | 115 |
| Kanapaha Middle | Bldg. 9/Halls | 5005 SW 75th Street | Gainesville | 32608 | 0 | 0 | 0 | 115 |
| Lake Forest Elementary - | Bldg. 1/Halls | 427 SE 43rd Street | Gainesville | 32641 | 0 | 0 | 0 | 38 |
| Lawton Chiles Elementary | Bldg. 1/Halls | 2525 house Road | Gainesville | 32607 | 0 | 0 | 0 | 258 |
| Lawton Chiles Elementary | Bldg. 2/Halls | 2525 house Road | Gainesville | 32607 | 0 | 0 | 0 | 266 |
| Lawton Chiles Elementary | Bldg. 3/Halls | 2525 house Road | Gainesville | 32607 | 0 | 0 | 0 | 247 |
| Lincoln Middle - | Bldg. 1/Halls/Gym | 1001 SE 12th Street | Gainesville | 32641 | 484 | 0 | 0 | 0 |
| Littlewood Elementary - | Bldg. 12/Halls | 427 SE 43rd Street | Gainesville | 32605 | 0 | 0 | 0 | 25 |
| Mebane Middle - | Bldg. 7/Gym | 1335 NE 1st Street | Alachua | 32615 | 362 | 0 | 0 | 0 |
| Newberry High - | Bldg. 2/Gym | 645 SW 9th Avenue | Newberry | 32669 | 333 | 0 | 0 | 0 |

## County Shelter Information

ALACHUA

| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity (ft²) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
|---|---|---|---|---|---|---|---|---|
| Norton Elementary - | Bldg. 2/Halls | 2200 NW 45th Avenue | Gainesville | 32605 | 0 | 0 | 0 | 266 |
| Norton Elementary - | Bldg. 3/Halls | 2200 NW 45th Avenue | Gainesville | 32605 | 0 | 0 | 0 | 247 |
| Oakview Middle - | Bldg. 3/Halls | 701 N Main Street | Newberry | 32669 | 0 | 0 | 0 | 115 |
| Oakview Middle - | Bldg. 4/Halls | 701 N Main Street | Newberry | 32669 | 0 | 0 | 0 | 115 |
| Oakview Middle - | Bldg. 5/Halls/Gym | 701 N Main Street | Newberry | 32669 | 310 | 0 | 0 | 0 |
| Prairie View Elementary - | Bldg. 3/Halls | 1801 SE 32nd Place | Gainesville | 32641 | 0 | 0 | 0 | 230 |
| Santa Fe High - | Bldg. 12/ Gym | US Hwy. 441 | Alachua | 32615 | 340 | 0 | 0 | 0 |
| Spring Hill Middle - | Bldg. 10/ Gym | 1015 N Main Street | Gainesville | 32643 | 280 | 0 | 0 | 0 |
| Terwilliger Elementary - | Bldg. 4/Halls | 3001 NW 62nd Street | Gainesville | 32607 | 0 | 0 | 0 | 70 |
| Terwilliger Elementary - | Bldg. 5/Halls | 3001 NW 62nd Street | Gainesville | 32607 | 0 | 0 | 0 | 38 |
| University of Florida | Reitz Union | Building 686 | Gainesville | 32607 | 2,900 | 700 | 14,000 | 0 |
| University of Fl.orida SW Rec | Bldg 316 | Building 316 | Gainesville | 32607 | 0 | 2,375 | 47,500 | 0 |
| Westwood Middle - | Bldg. 16/Gym | 3215 NW 15th Avenue | Gainesville | 32605 | 269 | 0 | 0 | 0 |
| Wiles Elementary - | Bldg. 1/ Halls | 4601 SW 75th Street | Gainesville | 32608 | 0 | 0 | 0 | 288 |
| Wiles Elementary - | Bldg. 2/ Halls | 4601 SW 75th Street | Gainesville | 32608 | 0 | 0 | 0 | 203 |
| Wiles Elementary - | Bldg. 5/ Halls | 4601 SW 75th Street | Gainesville | 32608 | 0 | 0 | 0 | 247 |
| | | | TOTALS FOR ALACHUA COUNTY | | 7,703 | 3,075 | 61,500 | 4,658 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus /Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| **Storm Category 4/5** | **3,075** | **8,851** | **-5,776** | **61,500** | **177,020** | **-115,520** | **DEFICIT** |

## County Shelter Information

| BAKER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Baker High School | Bldg 6 | 1 Wildcat Drive | Glen St. Mary | 32040 | 160 | 0 | 0 | 160 |
| Baker High School | Bldg 7 | 1 Wildcat Drive | Glen St. Mary | 32040 | 160 | 0 | 0 | 160 |
| Baker High School | Bldg 8 | 1 Wildcat Drive | Glen St. Mary | 32040 | 160 | 0 | 0 | 160 |
| Baker Middle School | | 211 E Jonathon Street | Macclenny | 32063 | 560 | 0 | 0 | 560 |
| Frasier Memorial Hospital | | 159 N 3rd Street | Macclenny | 32063 | 50 | 0 | 0 | 50 |
| Keller/Family Service Center | | 420 S 8th Street | Macclenny | 32063 | 260 | 0 | 0 | 260 |
| Westside Elementary | | 1 Pather Circle | Glen St. Mary | 32040 | 0 | 0 | 0 | 0 |
| New Macclenny Elementary | cafeteria | 1 Wildkitten Drive | Macclenny | 32063 | 295 | 295 | 5,904 | 295 |
| | | | | Totals for Baker County | 1,645 | 295 | 5,904 | 1,645 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus /Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 5 | 295 | 2,114 | -1,819 | 5,904 | 42280 | -36,376 | DEFICIT |

## County Shelter Information

| BAY | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Bay High School | | 1204 Harrison Avenue | Panama City | 32405 | 1,979 | 0 | 0 | 0 |
| Callaway Elementary School | | 7115 State Road 22 | Callaway | 32404 | 972 | 0 | 0 | 0 |
| Highland Park Elementary School | | 2507 E Baldwin Road | Panama City | 32405 | 2,177 | 0 | 0 | 237 |
| Lynn Haven Elementary School | | 301 W 9th Street | Lynn Haven | 32444 | 1,068 | 0 | 0 | 0 |
| Merritt Brown Elementary School | 4 (classrooms) | 5601 Merritt Brown Road | Panama City | 32404 | 2,694 | 1,237 | 24,740 | 0 |
| Millville Elementary School | | 203 N East Avenue | Panama City | 32401 | 1,990 | 0 | 0 | 1,492 |
| Moore Elementary School | 10 | 1900 Michigan Avenue | Panama City | 32405 | | 171 | 3,412 | |
| Moore Elementary School | 11 | 1900 Michigan Avenue | Panama City | 32405 | | 435 | 8,693 | |
| Moore Elementary School | 12 | 1900 Michigan Avenue | Panama City | 32405 | | 396 | 7,923 | |
| Moore Elementary School | 13 | 1900 Michigan Avenue | Panama City | 32405 | | 60 | 1,202 | |
| A. Crawford Mosely High School | | 501 Mosley Drive | Lynn Haven | 32444 | 3,130 | 0 | 0 | 1,351 |
| Rutherford High School | | 1000 School Avenue | Panama City | 32401 | 3,782 | 0 | 0 | 375 |
| Surfside Middle School | 4 (classrooms) | 300 Nautilus Street | Panama City Beach | 32407 | | 1,297 | 25,934 | |
| Surfside Middle School | 5 | 300 Nautilus Street | Panama City Beach | 32407 | | 639 | 12,787 | |
| T. Smith Elementary School | 1 | 5044 Tommy Smith Way | Panama City | 32404 | | 504 | 10,078 | |
| T. Smith Elementary School | 2 | 5044 Tommy Smith Way | Panama City | 32404 | | 617 | 12,340 | |
| T. Smith Elementary School | 3 | 5044 Tommy Smith Way | Panama City | 32404 | | 201 | 4,016 | |
| T. Smith Elementary School | 4 | 5044 Tommy Smith Way | Panama City | 32404 | | 327 | 6,549 | |
| Waller Elementary School | 3 (café) | 11332 Hwy 338 | Youngstown | 32466 | | 138 | 2,750 | |

## County Shelter Information

| BAY | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Waller Elementary School | 4 (classrooms) | 11332 Hwy 338 | Youngstown | 32466 | | 282 | 5,649 | |
| Northside Elementary School | | 2001 Northside Drive | Panama City | 32401 | | 0 | 0 | 240 |
| Bozeman Learning Center K-8 | 8 (Gym) | 13410 Highway 77 | Southport | 32409 | | 646 | 12,926 | 0 |
| Bozeman Learning Center K-8 | 9 (Dining) | 13410 Highway 77 | Southport | 32409 | | 565 | 11,293 | 0 |
| | | | | TOTALS FOR BAY COUNTY | 17,782 | 7,515 | 150,292 | 3,455 |

| Year 2004 | Shelter Capcity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 7,515 | 14,959 | -7,445 | 150,292 | 299,180 | -148,888 | DEFICIT |

## County Shelter Information

| BRADFORD | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Bradford High School | | 581 N Temple St | Starke | 32091 | 2,784 | 0 | 0 | 2,784 |
| Bradford Middle School | | 57 N Orange St | Starke | 32091 | 1,435 | 0 | 0 | 1,435 |
| Brooker Elementary | | 18551 Charlotte Ave | Brooker | 32622 | 250 | 0 | 0 | 250 |
| Hampton Elementary | | SR 221 and CR 18 | Hampton | 32044 | 250 | 0 | 0 | 250 |
| Lawtey Elementary | 6 | N Park St and US HWY 301 | Lawtey | 32058 | 0 | 173 | 3,462 | |
| South Side Elementary School | 10 | 823 Stanbury St | Starke | 32091 | 120 | 131 | 5,250 | |
| Starke Elementary School | 2 | 1000 Weldon St | Hampton | 32044 | 250 | 363 | 7,260 | |
| Starke Elementary School | 3 | 1000 Weldon St | Hampton | 32044 | | 318 | 6,360 | |
| Starke Elementary School | 5 | 1000 Weldon St | Hampton | 32044 | | 307 | 6,155 | |
| Starke Elementary School | 6 | 1000 Weldon St | Hampton | 32044 | | 352 | 7,050 | |
| | | | | TOTALS FOR BRADFORD COUNTY | 5,089 | 1,644 | 35,537 | 4,719 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 1,644 | 2,067 | -423 | 35,537 | 41,340 | -5,803 | DEFICIT |

## County Shelter Information

| BREVARD | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Anderson Elementary School | 2,3,4,5 | 3011 S Fiske Boulevard | Rockledge | 32955 | 700 | 250 | 5,000 | |
| Apollo Elementary School | 2,3,4,5 | 3085 Knox McCrea Drive | Titusville | 32780 | 700 | 250 | 5,000 | |
| Astronaut High School | | 800 War Eagle Boulevard | Titusville | 32796 | 150 | 300 | 6,000 | |
| Atlantis Elementary | 1 thru 6 | 7300 Briggs Avenue | Port St. John | 32927 | 900 | 1,500 | 30,000 | |
| Bayside High School | Gym | 1901 DeGroodt | Palm Bay | 32908 | 3,100 | 275 | 11,000 | |
| Bayside High School | Main+2 | 1901 DeGroodt | Palm Bay | 32908 | | 1,500 | 30,000 | |
| Brevard Community College - Cocoa | Bldg 20 | 1519 Clearlake Drive | Cocoa | 32922 | 3,400 | 1,500 | 30,000 | |
| Brevard Community College - Cocoa | 3 | 1519 Clearlake Drive | Cocoa | 32922 | | 2,500 | 50,000 | |
| Brevard Community College - Melbour | 1 | 3865 N Wickham Road | Melbourne | 32935 | 1,500 | 1,000 | 14,000 | |
| Brevard Community College - Melbour | 10 | 3865 N Wickham Road | Melbourne | 32935 | | 600 | 9,300 | |
| Brevard Community Colllege - Melbou | 5 | 3865 N Wickham Road | Melbourne | 32935 | | 0 | 0 | |
| Central Middle School | | 2600 Wingate Boulevard | W Melbourne | 32904 | 1,600 | 600 | 12,000 | |
| Central Reference Library | 1 | | | | | 1,000 | 20,000 | |
| City of Palm Bay | EOC | | | | | 150 | 3,000 | |
| Discovery Elementary School | 1 thru 6 | 1275 Glendale Avenue NW | Palm Bay | 32905 | 900 | 1,500 | 30,000 | |
| Eau Gallie High School | Science | 1400 Commodore Blvd | Melbourne | 32935 | 1,700 | 600 | 12,000 | |
| Eau Gallie High School | Aud | 1400 Commodore Blvd | Melbourne | 32935 | | 800 | 16,000 | |
| Enterprise Elementary School | 1 thru 6 | 7000 Enterprise Road | Port St. John | 32927 | 900 | 1,500 | 30,000 | |
| Imperial Estates Elementary School | 5 thru 8 | 5525 Kathy Drive | Titusville | 32780 | 850 | 300 | 6,000 | |
| Jupiter Elementary School | 1 thru 6 | 950 Tupelo Road SW | Palm Bay | 32908 | 900 | 1,500 | 30,000 | |
| Long Leaf Elementary School | | 4290 N Wickham Road | Melbourne | 32935 | 1,000 | 400 | 8,000 | |
| Meadowland Elementary School | 1 thru 6 | 2800 Wingate Boulevard | Melbourne | 32904 | 900 | 1,500 | 30,000 | |
| Melbourne High School | 1 & 8 | 74 Bulldog Way | Melbourne | 32901 | 1,200 | 300 | 6,000 | |
| Oak Park Elementray School | 2,5,6,7,8 | 3395 Dairy Road | Titusville | 32796 | 500 | 500 | 10,000 | |
| Pinewood Elementary School | 4 | 3654 Lionel Road | Mims | 32754 | 900 | 300 | 6,000 | |
| Port St. John Community Center | Center | | | | | 500 | 10,000 | |
| Ralph Williams Junior Elementary | 1 | 1700 Clubhouse Drive | Rockledge | 32955 | 750 | 1,000 | 30,000 | |
| Riviera Elementary School | 1 thru 6 | 351 Riviera Drive NE | Palm Bay | 32905 | 900 | 1,500 | 30,000 | |
| Rockledge High School | 1,2,8,16 | 220 Raider Drive | Rockledge | 32955 | 1,500 | 400 | 8,000 | |
| Roy Allen ES | | 2601 Fountianhead | Melbourne | 32909 | 1,000 | 1,000 | 20,000 | |
| South Mainland (Micco) | Main (1) | 3700 Allen Avenue | Micco | 32976 | 150 | 150 | 3,000 | |
| South Mainland (Micco) | Gym | 3700 Allen Avenue | Micco | 32976 | | 600 | 12,000 | |
| Sherwood Elementray School | | 2541 Post Road | Melbourne | 32935 | 750 | 250 | 10,000 | |
| Southwest Junior High School | | 451 Eldron Boulevard SE | Palm Bay | 32909 | 1,000 | 0 | 0 | |
| Space Coast Middle School | | 6150 Banyan Street | Port St. John | 32927 | 1,300 | 600 | 12,000 | |
| Suntree Elementary School | 1 thru 6 | 900 Pinehurst Avenue | Melbourne | 32940 | 900 | 1,500 | 30,000 | |

## County Shelter Information

| BREVARD | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Westside Elementary School | | 2175 DeGroodt Road SW | Palm Bay | 32908 | 1,000 | 1,500 | 30,000 | |
| | | | TOTALS FOR BREVARD COUNTY | | 31,050 | 29,625 | 604,300 | 0 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 29,625 | 18,097 | 11,528 | 604,300 | 361,940 | 242,360 | SURPLUS |

## County Shelter Information

| BROWARD | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Apollo Middle School | | 6800 Arthur Street | Hollywood | 33024 | 500 | 0 | 0 | |
| Bair Middle School | | 9100 NW 21 Manor | Sunrise | 33322 | 450 | 0 | 0 | 0 |
| Boyd Anderson High School | | 3050 NW 41st Street | Lauderdale Lakes | 33309 | 900 | 0 | 0 | 1,800 |
| Challenger Elementary | 3771 | 5700 NW 94 | Tamarac | 33321 | | 815 | 16,300 | |
| Coconut Creek High School | | 1400 NW 44th Avenue | Coconut Creek | 33066 | 900 | 0 | 0 | 1,800 |
| Coconut Palm Elementary School | | 13601 Monarch Lakes Blvd | Miramar | 33027 | | 1,210 | 24,200 | |
| Coral Springs High School | | 7201 W Sample Road | Coral Springs | 33065 | 900 | 0 | 0 | 1,800 |
| Coral Springs Middle School | | 10200 W Wiles Road | Coral Springs | 33076 | 500 | 0 | 0 | 1,000 |
| Deerfield High School | | 910 SW 15th Street | Deerfield Beach | 33441 | 750 | 0 | 0 | 1,500 |
| Dilliard High School | | 2501 NW 11th Street | Ft. Lauderdale | 33311 | 450 | 0 | 0 | 900 |
| Ely High School | | 1201 NW 6th Avenue | Pompano Beach | 33060 | 600 | 0 | 0 | 1,200 |
| Everglades High | 3731 | 17100 SW 48 | Miramar | 33027 | | 1,800 | 36,000 | |
| Everglades Elementary | 2942 | 2900 Bonaventure Blvd | Weston | 33331 | 450 | 815 | 16,300 | |
| Falcon Cove Middle School | 2431 | 4251 Bonaventure Blvd | Weston | 33331 | 500 | 1,440 | 28,800 | |
| Floranda Elementary School | 851 | 5251 NE 14th Way | Ft. Lauderdale | 33334 | 0 | 0 | 0 | 1,210 |
| Fox Trail Elementary School | 3531 | 1250 Nob Hill Road | Davie | 33324 | 450 | 1,210 | 24,200 | |
| Gator Run Elementary | 3641 | 1101 Arvida Parkway | Weston | 33327 | | 815 | 16,300 | |
| GGG High School | | 5050 Wiles Road | Coconut Creek | 33063 | | 1,800 | 36,000 | |
| Halllandale ES | | 1000 SW 8st | Hallandale | 33009 | | 815 | 16,300 | |
| Hallandale High School | | 720 NW 9th Avenue | Hallandale | 33309 | 800 | 0 | 0 | 1,600 |
| Hollywood Hills High School | | 5400 Stirling Road | Hollywood | 33021 | 600 | 0 | 0 | 1,200 |
| Indian Ridge Middle | 3471 | 1355 Nob Hill Road | Davie | 33324 | | 800 | 32,000 | |
| Lakeside Elementary School | 3591 | 900 NW 136 Avenue | Pembroke Pines | 33026 | 450 | 1,210 | 24,200 | |
| Lauderdale Lakes Middle School | | 3911 NW 30th Avenue | Lauderdale Lakes | 33309 | 450 | 0 | 0 | 900 |
| Lauderhill Middle School | | 1901 NW 49th Avenue | Lauderhill | 33313 | 450 | 0 | 0 | 900 |
| Liberty Elementary | 3821 | 2450 Banks | Margate | 33063 | | 815 | 16,300 | |
| Lyons Creek Middle School | 3101 | 4333 Sol Press Blvd | Coconut Creek | 33073 | 500 | 1,790 | 35,800 | |
| Manatee Bay Elementary | 3831 | 19200 SW 36 | Weston | 33331 | | 815 | 16,300 | |
| Margate Middle School | | 500 NW 65th Avenue | Margate | 33063 | 450 | 0 | 0 | |
| McNichols Middle | 481 | 1602 S 27th Avenue | Hollywood | 33020 | | 800 | 32,000 | |
| Miramar E 6 E S | | 6831 SW 26th Street | Miramar | 33023 | | 0 | 0 | |
| Miramar High School | | 3601 SW 89th Avenue | Miramar | 33025 | 900 | 0 | 0 | 1,800 |
| New Renaissance Middle | 3671 | 10701 Miramar | Miramar | 33025 | | 2,430 | 48,600 | |
| New River Middle | 881 | 3100 Riverland Rd., | Ft. Lauderdale | 33312 | | 800 | 32,000 | |
| Panther Run Elementary School | 3571 | 801 NW 172 Avenue | Pembroke Pines | 33328 | 450 | 1,210 | 24,200 | |
| Park Lake Elementary | 3761 | 3925 N. State | Lauderdale Lakes | 33309 | | 1,210 | 24,200 | |

## County Shelter Information

| BROWARD | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Parkside Elementary School | 3631 | 10257 NW 29th Street | Coral Springs | 33065 | 450 | 890 | 17,800 | |
| Park Trails Elementary | | 10700 Trails End | Parkland | 33076 | | 1,210 | 24,200 | |
| Pioneer Middle School | | 5350 SW 90th Avenue | Cooper City | 33328 | 500 | 0 | 0 | 1,000 |
| Piper High School | | 8000 NW 44th Street | Sunrise | 33321 | 600 | 0 | 0 | |
| Plantation Elementary | 941 | 651 NW 42nd Avenue | Ft. Lauderdale | 33317 | 450 | 815 | 16,300 | |
| Plantation Middle School | | 6600 W Sunrise Boulevard | Plantation | 33313 | 400 | 0 | 0 | 800 |
| Pompano Beach High School | | 1400 NE 6st | Pompano Beach | 33060 | | 1,800 | 36,000 | |
| Pompano Beach Middle School | | 310 NE 6th Street | Pompano Beach | 33060 | 500 | 0 | 0 | 1,000 |
| Ramblewood Middle School | | 8505 W Atlantic Boulevard | Coral Springs | 33071 | 450 | 0 | 0 | 900 |
| Rock Island Elementary | 3701 | 2350 NW 19 | Ft. Lauderdale | 33311 | | 2,400 | 48,000 | |
| Seminole Middle School | | 6200 SW 16th Street | Plantation | 33317 | 450 | 0 | 0 | 900 |
| Silver Lakes Elementary School | 3371 | 2300 SW 173 Avenue | Miramar | 33027 | 400 | 1,210 | 24,200 | |
| Silver Palms Elementary School | 3371 | 1209 NW 155th Avenue | Pembroke Pines | 33029 | 450 | 1,210 | 24,200 | |
| Silver Shores Elementary | 3581 | 1701 SW 160 | Miramar | 33027 | | 815 | 16,300 | |
| Silver Trails Middle School | 3331 | 18300 Sheridan Street | Pembroke Pines | 33331 | 500 | 1,790 | 35,800 | |
| South Plantation High School | | 1300 Paladin Way | Plantation | 33317 | 900 | 1,800 | 36,000 | |
| Sunset Lakes Elementary | 3661 | 18400 SW 25 | Miramar | 33027 | | 1,210 | 24,200 | |
| Sunset School | 422 | 3775 SW 16th Ave | Ft. Lauderdale | 33312 | | 800 | 32,000 | |
| Taravella High School | | 10600 Riverside Drive | Coral Springs | 33071 | 900 | 0 | 0 | 1,800 |
| Tequesta Trace Middle School | | 1800 Indian Trace | Ft. Lauderdale | 33326 | 300 | 0 | 0 | 600 |
| Tradewinds Elementary | 3481 | 5400 Johnson Road | Coconut Creek | 33073 | 450 | 1,210 | 24,200 | |
| Watkins Elementary School | 511 | 3520 NW 52nd Avenue | Hollywood | 33023 | 450 | 815 | 16,300 | |
| Western High School | | 1200 SW 136th Avenue | Ft. Lauderdale | 33325 | 900 | 0 | 0 | 1,800 |
| Westglades Middle | 3611 | 11000 Holmb | Parkland | 33026 | | 900 | 36,000 | |
| | | | TOTALS FOR BROWARD COUNTY | | 21,450 | 41,475 | 911,500 | 26,410 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 41,475 | 40,349 | 1,126 | 911,500 | 806,980 | 104,520 | SURPLUS |

## County Shelter Information

| CALHOUN | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Altha High School | | Main Street | Altha | 32421 | 0 | 0 | 0 | |
| Carr Elementray/Middle School | | Highway 73 North | Altha | 32430 | 0 | 0 | 0 | |
| Blountstown Elementray School | | Fuller Warren Drive | Blountstown | 32424 | 1,626 | 0 | 0 | |
| Blountstown Middle School | | 611 Mathaw Drive | Blountstown | 32424 | 893 | 0 | 0 | |
| Blountstown High School | | 614 North Main Street | Blountstown | 32424 | 1,884 | 0 | 0 | |
| TOTALS FOR CALHOUN COUNTY | | | | | 4,403 | 0 | 0 | |

| Year 2004 | Shelter Capacity in People | Shelter Demand in People | Surplus/ Deficit in People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Cateogry 4/5 | 0 | 1,395 | -1,395 | 0 | 27,900 | -27,900 | DEFICIT |

## County Shelter Information

| CHARLOTTE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Liberty ES | | 23000 Midway Blvd NE | Port Charlotte | 33952 | 500 | 500 | 10,000 | 1,000 |
| Port Charlotte MS | | 370 Atwater Street | Port Charlotte | 39952 | 1,000 | 1,000 | 20,000 | 500 |
| TOTALS FOR CHARLOTTE COUNTY | | | | | 1,500 | 1,500 | 30,000 | 1,500 |

| Year 2004 | Shelter Capacity in People | Shelter Demand in People | Surplus/Deficit in People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Cateogry 4/5 | 1,500 | 29,649 | -28,149 | 30,000 | 592,980 | -562,980 | DEFICIT |

## County Shelter Information

CITRUS

| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity (ft²) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
|---|---|---|---|---|---|---|---|---|
| Beverly Hills Lions Club | | 72 Beverly Hills Center | Beverly Hills | N/A | 350 | 0 | 0 | 0 |
| Church of God | | 416 South Hwy 41 | Inverness | N/A | 1,394 | 0 | 0 | 0 |
| Citrus High School | café | 600 West Highland Blvd | Inverness | 34452 | 2,418 | 544 | 10,881 | 2,418 |
| Citrus Springs Elementary School | | 3570 West Century Blvd | Citrus Springs | 33443 | 1,500 | 0 | 0 | 1,500 |
| Citrus Springs Middle School | | 150 W Citrus Springs Blvd | Citrus Springs | 34434 | 1,224 | 0 | 0 | 1,224 |
| First Assembly Church | | 4201 South Pleasant Grove Rd | Inverness | 34451 | 800 | 0 | 0 | 0 |
| First Baptist Church | | 8545 E Magnolia | Floral City | N/A | 400 | 0 | 0 | 0 |
| First Baptist Church of Inverness | | 123 S Seminole Avenue | Inverness | 34452 | 200 | 0 | 0 | 0 |
| First Christian Church | | 1005 Hillside Court | Inverness | N/A | 400 | 0 | 0 | 0 |
| First Lutheran Church | | 1900 W Highway 44 | Inverness | 34453 | 400 | 0 | 0 | 0 |
| First Presbyterian Church | | 206 Washington Avenue | Inverness | N/A | 400 | 0 | 0 | 0 |
| Floral City Community Center | | 8370 E. Orange Avenue | Floral City | 34436 | 200 | 0 | 0 | 0 |
| Floral City Elementary School | | 8457 E Marvin Street | Floral City | 34446 | 543 | 0 | 0 | 543 |
| Forest Ridge | 1 | 2927 N. Forest Ridge Blvd | Hernando | 34442 | | 2,800 | 56,000 | |
| Hernando Elementary School | | 2353 N Croft Avenue | Hernando | 33442 | 1,500 | 0 | 0 | 600 |
| Highlands Emergency Center | | 4325 S Little Al Point | Inverness | N/A | 400 | 0 | 0 | 0 |
| Hope Evangelical Lutheran Church | | 9425 N Citrus Springs Blvd | Citrus Springs | 34434 | 150 | 0 | 0 | 0 |
| Inverness Middle School | | 1950 North US Highway 41 | Inverness | 34450 | 2,157 | 0 | 0 | 2,157 |
| Inverness Primary School | | 206 South Lime Avenue | Inverness | 34450 | 1,299 | 0 | 0 | 1,299 |
| Lecanto High School | | 3810 W Education Path | Lecanto | 34461 | 3,400 | 0 | 0 | 3,400 |
| Lecanto Middle School | | 3800 W Education Path | Lecanto | 34461 | 2,519 | 0 | 0 | 2,519 |
| Main Street Baptist Church | | 960 S Highway 41 | Inverness | N/A | 400 | 0 | 0 | 0 |
| Our Lady of Fatima | | 550 S Highway 41 | Inverness | 34450 | 400 | 0 | 0 | 0 |
| Pleasant Grove Elementary | | 630 Pleasant Grove Road | Inverness | 34452 | 1,500 | 0 | 0 | 600 |
| Riverside Christian Church | | 7771 N Carl G. Rose Hwy | Hernando | 34442 | 100 | 0 | 0 | 0 |
| Rock Crusher Elementary | | 814 S Rock Crusher Road | Crystal River | 33448 | 1,500 | 0 | 0 | 1,500 |
| St. Elizabeth Anne Seton Hall | | 1180 Country Club B | Dunnellon | N/A | 450 | 0 | 0 | 0 |
| St. Margaret Episcipal Church | | 114 N Osceola Avenue | Inverness | 34450 | 100 | 0 | 0 | 0 |
| V.F.W. Leroy Rokks | | 1930 S Highway 200 | Hernando | N/A | 200 | 0 | 0 | 0 |
| Lecanto Primary School | | 3790 W Education Path | Lecanto | 34461 | 1,869 | 0 | 0 | 1,869 |
| School | | 1201 W Main Hwy 44 West | Inverness | 34450 | 2,075 | 0 | 0 | 2,075 |
| | | | TOTALS FOR CITRUS COUNTY | | 30,248 | 3,344 | 66,881 | 21,704 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 3,344 | 14,838 | -11,494 | 66,881 | 296,760 | -229,879 | DEFICIT |

## County Shelter Information

CLAY

| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity (ft²) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
|---|---|---|---|---|---|---|---|---|
| Clay Hill Elementary School | 5 | 6345 CR 218 | Maxville | 32234 | 200 | 263 | 5,260 | |
| Clay High School | | 2025 SR 16 West | Gr Cove Springs | 32043 | 500 | 0 | 0 | 500 |
| C.E. Bennett Elementary School | | 1 South Oakridge Avenue | Gr Cove Springs | 32043 | 397 | 0 | 0 | 397 |
| Doctor's Inlet Elementary School | | 2634 SR 220 | Doctor's Inlet | 32030 | 200 | 0 | 0 | 200 |
| Fleming Island High School | Cafeteria | | Orange Park | 32073 | 466 | 466 | 13,696 | |
| Fleming Island Elementary School | | 4425 Lake Shore Drive | Orange Park | 32073 | 200 | 0 | 0 | 200 |
| Grove Park Elementary School | | 1643 Miller Street | Orange Park | 32073 | 383 | 0 | 0 | 383 |
| J.L. Wilkinson Jr. High School | | 5005 CR 218 West | Middleburg | 32068 | 500 | 0 | 0 | 500 |
| J.L. Wilkinson Elementary | | 4965 CR 218 West | Middleburg | 32068 | 500 | 0 | 0 | 500 |
| Keystone Heights High School | | 900 SW Orchid Avenue | Keystone Heights | 32656 | 500 | 0 | 0 | 500 |
| Keystone Heights Elementary School | | 335 South Pecan Street | Keystone Heights | 32656 | 343 | 0 | 0 | 343 |
| Lake Asbury Elementary School | 6 | 2901 Sandridge Road | Gr Cove Springs | 32043 | 500 | 265 | 5,300 | |
| Lake Asbury Elementary School | 7 | 2901 Sandridge Road | Gr Cove Springs | 32043 | | 265 | 5,300 | |
| Lakeside Elementary School | 6 | 2752 Moody Road | Orange Park | 32073 | 399 | 263 | 5,260 | |
| Lakeside Elementary School | 7 | 2752 Moody Road | Orange Park | 32073 | | 263 | 5,260 | |
| Lakeside Jr. High School | | 2750 Moody Road | Orange Park | 32073 | 200 | 0 | 0 | 200 |
| McRae Elementary School | | 6770 CR 315 | Keystone Heights | 32656 | 200 | 0 | 0 | 200 |
| Middleburg Elementary School | | 3985 Main Street | Middleburg | 32068 | 200 | 0 | 0 | 200 |
| Middleburg High School | | 3802 SR 220 | Middleburg | 32068 | 500 | 0 | 0 | 500 |
| Montclair Elementary School | 4 | 2398 Moody Road | Orange Park | 32073 | 347 | 265 | 5,300 | |
| Montclair Elementary School | 5 | 2398 Moody Road | Orange Park | 32073 | | 265 | 5,300 | |
| Orange Park Elementary School | | 1401 Plainfield Avenue | Orange Park | 32073 | 254 | 0 | 0 | 254 |
| Orange Park High School | | 2300 Kingsley Avenue | Orange Park | 32073 | 500 | 0 | 0 | 500 |
| Orange Park Jr. High School | | 1500 Gano Avenue | Orange Park | 32073 | 200 | 0 | 0 | 200 |
| Paterson Elementary School | | 5400 Pine Avenue | Orange Park | 32073 | 200 | 0 | 0 | 200 |
| Rideout Elementary School | | 3065 Apalachicola Blvd | Middleburg | 32068 | 395 | 395 | 7,900 | |
| Ridgeview Elementary School | | 421 Jefferson Avenue | Orange Park | 32065 | 200 | 0 | 0 | 200 |
| Ridgeview High School | | 466 Madison Avenue | Orange Park | 32065 | 500 | 0 | 0 | 500 |
| S. Bryan Jennings Elementary School | | 215 Corona Drive | Orange Park | 32073 | 482 | 0 | 0 | 482 |
| Tynes Elementary School | 1/ cafetorium | 1550 Tynes Boulevard | Middleburg | 32068 | 350 | 0 | 0 | 350 |

## County Shelter Information

| CLAY | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| W.E. Cherry Elem School | 1/ Cafetorium | 420 Edson Avenue | Orange Park | 32073 | 380 | 0 | 0 | 380 |
| St. Johns River Community College | D | 285 College Drive | Orange Park | 32065 | 302 | 155 | 6,200 | |
| St. Johns River Community College | V | 285 College Drive | Orange Park | 32065 | | 147 | 5,880 | |
| St. Johns River Community College | Thrasher | 285 College Drive | Orange Park | 32065 | 200 | 200 | 8,000 | |
| | | | TOTALS FOR CLAY COUNTY | | 10,498 | 3,212 | 78,656 | 7,589 |

| Year 2004 | Shelter Capacity in People | Shelter Demand in People | Surplus/ Deficit in People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Cateogy 4/5 | 3,212 | 10,332 | -7,120 | 78,656 | 206,640 | -127,984 | DEFICIT |

## County Shelter Information

| COLLIER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Baron Collier High School | Main/Café/Gym | 5600 Cougar Lane | Naples | 34105 | 3500 | 1,750 | 70,000 | |
| Bethune Education Center | | 614 S 5th Street | Immokalee | 34142 | 400 | 0 | 0 | |
| Big Cypress Elementary | 2 | 3250 Golden Gate Blvd | Naples | 34116 | 250 | 400 | 8,000 | |
| Calusia Park Elementary | Café& 4 clrms | | | | 250 | 500 | 10,000 | |
| C.H.S.I. | | 14700 Immokalee Rd. | Big Corkscre | 34120 | 50 | 0 | 0 | |
| Collier County Agricultural Center | | 601 East Main Street | Immokalee | 34142 | 100 | 0 | 0 | |
| Collier PAC | | 1165 County Road 858 | Naples | 34120 | 800 | 0 | 0 | |
| Corkscrew Middle School | Gym | 419 First Street | Immokalee | 34142 | 350 | 500 | 10,000 | |
| Dr. MLK | Admim/ Gym | 4095 18th Ave NE | Naples | 34116 | 250 | 500 | 10,000 | |
| Friendship House | Main | | Immokalee | 34142 | 50 | 250 | 5,000 | |
| Golden Gate Elementary | | 4911 20th PL, SW | Naples | 34116 | 375 | 1,500 | 30,000 | |
| Golden Gate Middle | | 2701 48th Terr SW | Naples | 34116 | 375 | 1,500 | 30,000 | |
| Golden Terrace Elementary | Café/Gym | 2711 44th Terrace SW | Naples | 33999 | 500 | 400 | 8,000 | |
| Gulf Coast High School | Gym | 7878 Immokalee Blvd | Naples | 34110 | 1,500 | 1,500 | 30,000 | |
| Highlands Elementary School | | 1101 Lake Trafford Road | Immokalee | 34142 | 700 | 0 | 0 | |
| IFAS | | Rt. 29 | Immokalee | 34142 | 100 | 0 | 0 | |
| Immokalee Community Park | | 321 NE First Street | Immokalee | 34112 | 100 | 0 | 0 | |
| Immokalee Friendship House | Main | 602 West Main Street | Immokalee | 34112 | 500 | 0 | 0 | |
| Immokalee Health Department/Center | | 419 N 1st Street | Immokalee | 34142 | 50 | 0 | 0 | |
| Immokalee High School | | 710 Immokalee Road | Immokalee | 34142 | 600 | 0 | 0 | |
| Immokalee Middle School | Café 8/9 | 3500 Lake Trafford Road | Immokalee | 34142 | 1,000 | 1,000 | 20,000 | |
| Lake Trafford Elementary School | Café/Gym | 3500 Lake Trafford Road | Immokalee | 34142 | 1,200 | 0 | 0 | |
| Laurel Oak Elementary | 2 | 7800 Immokalee Road | Naples | 33942 | 250 | 400 | 8,000 | |
| Lely High | Gym | 1 Lely High School Blvd | Naples | 34113 | 500 | 1,000 | 20,000 | |
| Manatee Elementary | Gym | 1880 Manatee RD | Naples | 34114 | 250 | 500 | 10,000 | |
| Oak Ridge Middle School | Café 8/9 | 151 State Rd 951 | Naples | 33999 | 1,000 | 1,000 | 20,000 | |
| Pine Ridge Middle School | Main | 213 S 9th Street | Immokalee | 34142 | 360 | 1,000 | 20,000 | |
| Pinecrest Elementary School | | 1515 Pine Ridge Road | Naples | 33942 | 1,000 | 0 | 0 | |

## County Shelter Information

| COLLIER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Village Oaks Elementary School | Admin | 1501 SR 29 | Immokalee | 34142 | 350 | 500 | 10,000 | |
| Vineyards Elementary School | Café/Gym | 6225 Arbor Boulevard | North Naples | 34119 | 300 | 400 | 8,000 | |
| TOTALS FOR COLLIER COUNTY | | | | | 17,010 | 14,800 | 327,000 | 0 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 14,600 | 41,863 | -27,263 | 327,000 | 837,260 | -510,260 | DEFICIT |

## County Shelter Information

| COLUMBIA | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Berea Baptist Church | | Hwy 47 South | Lake City | N/A | | 0 | 0 | 500 |
| Columbia City School | | Highway 47 South | Lake City | N/A | | 0 | 0 | 520 |
| Columbia High School, North | | Pennsylvannia Avenue | Lake City | N/A | | 0 | 0 | 250 |
| Columbia High School, South | | US 441 South | Lake City | N/A | | 0 | 0 | 300 |
| Epiphany School | | Malone Drive | Lake City | N/A | | 0 | 0 | 250 |
| First Assembly of God | | East Duval Street | Lake City | N/A | | 0 | 0 | 200 |
| First Baptist Church | | East Orange Street | Lake City | N/A | | 0 | 0 | 300 |
| First Presbyterian Church | | West Baya Avenue | Lake City | N/A | | 0 | 0 | 200 |
| First Methodist Church | | South Marion Street | Lake City | N/A | | 0 | 0 | 200 |
| Five Points Elementary School | | Laverne Avenue | Lake City | N/A | | 0 | 0 | 200 |
| Fort White Public School | 1 | Highway 47 South | Lake City | N/A | | 365 | 7,301 | 250 |
| Lake City Middle School | | Grandview Avenue | Lake City | N/A | | 0 | 0 | 300 |
| Lake City Recreation Center | | McFarlane Avenue | Lake City | N/A | | 0 | 0 | 75 |
| LDS (Mormon) Church | | 706 Country Club Road | Lake City | N/A | | 0 | 0 | 200 |
| Lulu Community Center | | US 100 East | Lulu | N/A | | 0 | 0 | 100 |
| Mason City Community Center | | US 41 South | Lake City | N/A | | 0 | 0 | 100 |
| Masonic Lodge | | McFarlane Avenue | Lake City | N/A | | 0 | 0 | 175 |
| Melrose Elementary School | | 1500 East Putnam Street | Lake City | N/A | | 0 | 0 | 200 |
| Niblack Elementary School | | North Broadway Street | Lake City | N/A | | 0 | 0 | 200 |
| Parkview Baptist Church | | North 7th Street | Lake City | N/A | | 0 | 0 | 250 |
| Richardson Recreation Center | | Fronie Street | Lake City | N/A | | 0 | 0 | 200 |
| Springville Community Center | | Suwannee Valley Road | Lake City | N/A | | 0 | 0 | 200 |
| Summers Elementary School | | McFarlane Avenue | Lake City | N/A | | 0 | 0 | 300 |
| Westside Elementary | 1 | Rt 12, Box 5300 | Lake City | N/A | | 249 | 4,988 | 300 |
| TOTALS FOR COLUMBIA COUNTY | | | | | 0 | 614 | 12,289 | 5,770 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus / Deficit in People | Shelter Capacity (ft2) | Shelte Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Cateogry 4/5 | 614 | 5,658 | -5,044 | 12,289 | 113,160 | -113,160 | DEFICIT |

## County Shelter Information

DESOTO

| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
|---|---|---|---|---|---|---|---|---|
| Childs Christian Life Center Gym | Gym | 1006 North Brevard Avenue | Arcadia | 34233 | 238 | 0 | 0 | 0 |
| County Administration Building | 1 | 201 East Oak Street | Arcadia | 34266 | 144 | 289 | 5,778 | 0 |
| County Court House | | 115 East Oak Street | Arcadia | 34266 | 0 | 0 | 0 | 168 |
| County Library | | 125 North Hillsborough Avenue | Arcadia | 34266 | 92 | 184 | 3,671 | 0 |
| Turner Agri-Civic Center | | 2250 Northeast Roan Street | Arcadia | 34266 | 1,523 | 1,523 | 30,460 | 0 |
| DeSoto High School | 1-C | 1710 East Gibson Street | Arcadia | 34266 | 135 | 0 | 0 | 270 |
| DeSoto High School | 1-G | 1710 East Gibson Street | Arcadia | 34266 | 560 | 0 | 0 | 0 |
| DeSoto MS Gym | Bldg E | 420 E Gibson | Arcadia | 34266 | | 583 | 11,675 | |
| DeSoto MS #B | Bldg B | 420 E Gibson | Arcadia | 34266 | | 481 | 19,264 | |
| DeSoto MS #c | Bldg C | 420 E Gibson | Arcadia | 34266 | | 481 | 19,264 | |
| DeSoto MS #D | Bldg D | 420 E Gibson | Arcadia | 34266 | | 481 | 19,264 | |
| First Presbyterian Church | | 209 West Hickory Street | Arcadia | 34266 | 118 | 0 | 0 | 235 |
| Memorial Elementary School | 2B | 851 East Hickory Street | Arcadia | 34266 | 248 | 0 | 0 | 495 |
| Memorial Elementary School | 3-C | 851 East Hickory Street | Arcadia | 34266 | 248 | 0 | 0 | 495 |
| Memorial Elementary School | 5-E | 851 East Hickory Street | Arcadia | 34266 | 198 | 0 | 0 | 396 |
| Memorial Elementary School | 7G | 851 East Hickory Street | Arcadia | 34266 | 107 | 0 | 0 | 213 |
| Nocatee Elementary School #1 | 1 | 4846 SW Shore Avenue | Arcadia | 34267 | 74 | 0 | 0 | 149 |
| Pine Creek Chapel #1 | 1 | 1267 SW Pine Chapel Drive | Arcadia | 34266 | 61 | 103 | 2,062 | 0 |
| Seventh Day Adventist Church | | 2865 SE AMI Drive | Arcadia | 34266 | 100 | 0 | 0 | 0 |
| Turner Exhibit Conference Hall | | 2250 NE Roan | Arcadia | 34266 | 120 | 120 | 2,400 | |
| Trinity United Methodist #1 | 1 | 304 West Oak Street | Arcadia | 33821 | 74 | 0 | 0 | 175 |
| Trinity United Methodist #2 | 2 | 304 West Oak Street | Arcadia | 33821 | 70 | 0 | 0 | 140 |
| West Elementary School | 14-B | 304 West Imogene Avenue | Arcadia | 34266 | 163 | 0 | 0 | 326 |
| West Elementary School | 16-D | 304 West Imogene Avenue | Arcadia | 34266 | 108 | 0 | 0 | 215 |
| West Elementary School | 17-E | 304 West Imogene Avenue | Arcadia | 34266 | 122 | 0 | 0 | 244 |
| West Elementary School | 13-A | 304 West Imogene Avenue | Arcadia | 34266 | 116 | 0 | 0 | 233 |
| West Elementary School | 15-C | 304 West Imogene Avenue | Arcadia | 34266 | 163 | 0 | 0 | 326 |
| West Elementary School | 18-F | 304 West Imogene Avenue | Arcadia | 34266 | 83 | 0 | 0 | 167 |
| First Baptist Church | | 1006 North Brevard Avenue | Arcadia | 34266 | 132 | 0 | 0 | 264 |
| | | | | TOTALS FOR DESOTO COUNTY | 4,397 | 4,245 | 113,838 | 4,511 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 4,245 | 6,416 | -2,171 | 113,838 | 128,320 | -14,482 | DEFICIT |

## County Shelter Information

DIXIE

| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
|---|---|---|---|---|---|---|---|---|
| Anderson Elementary School | | CR 349 South | Oldtown | 32680 | 914 | 0 | 0 | |
| Dixie County High School | | Horseshoe Rd CR 351 S | Cross City | 32628 | 542 | 0 | 0 | |
| Old Town ES | 2 | County Road 55A & 349 | Old town | 32680 | | 460 | 9,200 | |
| Old Town ES | 4 | County Road 55A & 349 | Old Town | 32680 | | 165 | 3,300 | |
| Old Town ES | 5 | County Road 55A & 349 | Old Town | 32680 | | 175 | 3,500 | |
| Old Town Elementray | | CR 55A | Old Town | 32680 | 195 | 0 | 0 | |
| Ruth Raines MS | 1S | Horseshoe Road | Cross City | 32628 | | 332 | 6,640 | |
| New Old Town MS | 7 | | | | | 460 | 9,200 | |
| | | | | TOTALS FOR DIXIE COUNTY | 1,651 | 1,592 | 31,840 | 0 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 1,592 | 2,679 | -1,087 | 31,840 | 53,580 | -21,740 | DEFICIT |

## County Shelter Information

| DUVAL | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity (ft²) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| A. Robinson Elementary School | | 101 12th Street West | Jacksonville | N/A | 0 | 848 | 16,960 | 518 |
| Abess Park Elementary | main | | | | | 958 | 19,160 | |
| Alfred I. Dupont Middle School | | 2710 Duport Avenue | Jacksonville | N/A | | 0 | 0 | 270 |
| Andrew Jackson High School | | 3816 Main Street | Jacksonville | N/A | 594 | 0 | 0 | 594 |
| Arlington Middle School | | 8141 Lone Star Road | Jacksonville | N/A | 0 | 0 | 0 | 400 |
| Baldwin Jr/Sr High School | | 291 Mills Street | Jacksonville | N/A | 578 | 0 | 0 | 578 |
| Biltmore Elementary School | | 2101 Palm Avenue | Jacksonville | N/A | 0 | 0 | 0 | 200 |
| Brookview Elementary School | | 10450 Theresa Drive | Jacksonville | N/A | 0 | 0 | 0 | 148 |
| [illegible] School | | 2334 Butler Street | Jacksonville | N/A | 0 | 0 | 0 | 700 |
| Chets Creek Elementary School | main | | | | | 958 | 19,160 | |
| Chimney Lake Elementary School | Sect D&A | 9353 Staples Mill Road | Jacksonville | N/A | 1,000 | 995 | 19,900 | 1,000 |
| Crown Point Elementary School | | 3800 Crown Point Road | Jacksonville | N/A | 400 | 0 | 0 | 400 |
| Crystal Springs Elementary School | | 1200 Hammond Boulevard | Jacksonville | N/A | 600 | 995 | 19,900 | 1,000 |
| D. Anderson School | | 2445 San Diego Road | Jacksonville | N/A | 0 | 0 | 0 | 350 |
| Edward White Sr High School | | 1700 Old Middleburg Road | Jacksonville | N/A | 700 | 0 | 0 | 700 |
| Englewood Sr. High School | | 4412 Barnes Road | Jacksonville | N/A | 515 | 0 | 0 | 515 |
| Enterprise Academy | main | 8085 Old Middleburg Road | Jacksonville | N/A | | 1,433 | 57,320 | 200 |
| Eugene Butler Middle School | | 900 Acorn Street | Jacksonville | N/A | 0 | 0 | 0 | 342 |
| First Coast High School | | 590 Duval Station Road | Jacksonville | N/A | 1,000 | 0 | 0 | 1,000 |
| Ft. Caroline Middle School | | 3757 Univeristy Club Blvd | Jacksonville | N/A | 515 | 0 | 0 | 515 |
| Garden City Elementary School | | 2814 Dunn Avenue | Jacksonville | N/A | 0 | 0 | 0 | 146 |
| Greenland Pines | | | | | | 770 | 15,400 | |
| Highlands Middle School | | 10913 Pine Estate Road | Jacksonville | N/A | 0 | 0 | 0 | 400 |
| Hyde Park Elementary School | | 5300 Park Street | Jacksonville | N/A | 0 | 0 | 0 | 200 |
| J.E.B. Stuart Middle School | | 4815 Wesconnett Blvd | Jacksonville | N/A | 0 | 0 | 0 | 242 |
| School | | 7750 Tempest Street | Jacksonville | N/A | 0 | 0 | 0 | 600 |
| Jeff Davis Middle School | | 7050 Melvin Road | Jacksonville | N/A | 0 | 0 | 0 | 400 |
| Joseph Stilwell Middle School | | 7840 Burma Road | Jacksonville | N/A | 0 | 0 | 0 | 578 |
| Lake Lucina Elementary School | | 6527 Merrill Road | Jacksonville | N/A | 0 | 0 | 0 | 269 |
| Landmark Middle School | | 101 Kernan Road | Jacksonville | N/A | 400 | 0 | 0 | 400 |
| Landmark Middle School | | 101 Kernan Road | Jacksonville | N/A | | 0 | 0 | 0 |
| LaVilla Middle School of the Arts | | 501 North Davis Street | Jacksonville | 32202 | 2,467 | 2,467 | 49,340 | 0 |

## County Shelter Information

| DUVAL | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity (ft²) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Mandarin Middle School | 1#63-70 | 5100 Hood Road | Jacksonville | N/A | 1,000 | 109 | 4,360 | 1,000 |
| Mandarin Middle School | | 5100 Hood Road | Jacksonville | N/A | | 0 | 0 | 200 |
| Mandarin Oaks Elementary School | Sect D&A | 10600 Hornets Nest Road | Jacksonville | N/A | 0 | 995 | 19,900 | 1,000 |
| Mandrian High School | | 4831 Greenland Road | Jacksonville | N/A | 0 | 0 | 0 | 1,000 |
| N.B. Forrest Sr. High School | | 5530 Firestone Road | Jacksonville | N/A | 808 | 0 | 0 | 808 |
| Northshore Elementary School | | 5701 Silver Plaza | Jacksonville | N/A | 200 | 0 | 0 | 378 |
| Northwestern Middle School | | 2100 45th Street | Jacksonville | N/A | 0 | 0 | 0 | 200 |
| Oceanway Elementary School | | 143 Oceanway Avenue | Jacksonville | N/A | 0 | 0 | 0 | 382 |
| Paxon Sr. High School | | 3239 5th Street West | Jacksonville | N/A | 0 | 0 | 0 | 695 |
| Pine Estates Elementary School | | 10741 Pine Estates Road | Jacksonville | N/A | 0 | 0 | 0 | 500 |
| R.F. Kennedy Center | | 1033 Ionia Street | Jacksonville | N/A | 0 | 0 | 0 | 272 |
| R.F. Kennedy Center | | 1033 Ionia Street | Jacksonville | N/A | | 0 | 0 | 150 |
| R.L. Brown Elementary School | | 1535 Milnor Street | Jacksonville | N/A | 0 | 0 | 0 | 350 |
| Raines Sr. High School | | 3663 Raines Avenue | Jacksonville | N/A | 482 | 0 | 0 | 482 |
| Ramona Elementary School | | 5540 Ramona Boulevard | Jacksonville | N/A | 0 | 0 | 0 | 272 |
| Robert E. Lee Sr High School | | 1200 McDuff Avenue S | Jacksonville | N/A | 515 | 0 | 0 | 515 |
| S.A. Hull Elementary School | | 7528 Hull Street | Jacksonville | N/A | 0 | 0 | 0 | 500 |
| Sable Palm Elementary School | Sect D&A | 1201 Kernan Road | Jacksonville | N/A | 0 | 995 | 19,900 | 1,000 |
| San Jose Elementary School | | 5805 St. Augustine Road | Jacksonville | N/A | 0 | 0 | 0 | 183 |
| Sandalwood Jr./Sr. High School | | 2750 John Prom Boulevard | Jacksonville | N/A | 1,362 | 0 | 0 | 1,362 |
| Southside Middle School | | 2948 Knights Lane | Jacksonville | N/A | 0 | 0 | 0 | 200 |
| Spring Park Elementary School | | 2250 Spring Park | Jacksonville | N/A | 0 | 0 | 0 | 500 |
| Stanton College Prep School | | 1149 13th Street | Jacksonville | N/A | 0 | 0 | 0 | 916 |
| Terry Parker Sr. High School | | 7301 Parker School Road | Jacksonville | N/A | 0 | 0 | 0 | 816 |
| Twin Lakes Academy | | 10515 Baymeadows | Jacksonville | N/A | | 958 | 19,160 | 200 |
| Wolfson Sr. High School | | 7000 Powers Avenue | Jacksonville | N/A | 503 | 0 | 0 | 503 |
| Woodland Acres Elementary School | | 328 Bowlan Street | Jacksonville | N/A | 0 | 0 | 0 | 0 |

## County Shelter Information

| DUVAL | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| TOTALS FOR DUVAL COUNTY | | | | | 13,639 | 12,481 | 280,460 | 27,049 |

| Year 2004 | Shelter Capacity In People | Shelter Demand I People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 12,481 | 32,739 | -20,258 | 280,460 | 654,780 | -374,320 | DEFICIT |

## County Shelter Information

| ESCAMBIA | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Bailey Middles | 1 | 4110 Bauer Rd | Pensacola | 32507 | 1000 | 448 | 8,969 | |
| Bailey Middles | 3 | 4110 Bauer Rd | Pensacola | 32507 | | 40 | 798 | |
| Bailey Middles | 6 | 4110 Bauer Rd | Pensacola | 32507 | | 548 | 10,958 | |
| Bailey Middles | 7 | 4110 Bauer Rd | Pensacola | 32507 | | 298 | 5,951 | |
| Bailey Middles | 8 | 4110 Bauer Rd | Pensacola | 32507 | | 302 | 6,046 | |
| Bellview Assembly of God | | 2920 W. Michigan Avenue | Pensacola | 32526 | 615 | 0 | 0 | |
| Bellview Baptist Church | | 4750 Saufley Rd | Pensacola | 32526 | 480 | 0 | 0 | |
| Bellview Elementary School | 4 | 4425 Bellview Avenue | Pensacola | 32506 | 500 | 0 | 0 | |
| Bellview Elementary School | 2001add/5 | 4425 Bellview Avenue | Pensacola | 32506 | | 309 | 6,179 | |
| Bellview Middle School[1] | | 6201 Mobile Highway | Pensacola | 32506 | 750 | 0 | 0 | |
| Beulah Elementary | 2000 add | 3201 Helms Rd | Beulah | 32526 | | 352 | 7,040 | |
| Beulah Elementary School | Main | 6201 Helms Road | Pensacola | 32506 | 500 | 0 | 0 | 1,439 |
| Blue Angel Elementary | cafeteria | 1551 Dog Track Rd | Pensacola | 32507 | | 421 | 8,424 | |
| Blue Angel Elementary | Main | 1551 Dog Track Rd | Pensacola | 32507 | | 1,848 | 36,968 | |
| Brownsville Middle School[1] | | 3700 West Avery Street | Pensacola | 32503 | 750 | 0 | 0 | |
| Carver Middle School[1] | | 700 E Hecker Road | Century | 32525 | 500 | 0 | 0 | |
| Century Carver Middle | 7 (2003) | 440 East Hecker Road | Century | 32535 | | 327 | 10,947 | |
| Charity Chapel | | 5820 Montgomery Ave | Pensacola | 32526 | 106 | 0 | 0 | |
| Circle Baptist | | 808 New Warrington Rd | Pensacola | 32505 | 128 | 0 | 0 | |
| Community Workshop Center | | 6200 West Nine Mile Rd | Pensacola | 32526 | 161 | 0 | 0 | |
| Ernest Ward Middle School | | 7650 Highway 97 | Walnut Hill | 32568 | 500 | 0 | 0 | |
| Faith Baptist Church | | 3600 Creighton Rd | Pensacola | 32504 | 80 | 0 | 0 | |
| Ferrypass Middle | 4 | 8355 Yancey Ave | Pensacola | 32514 | | 310 | 6,211 | |
| Ferrypass Elementary | 5/ 2001 add | 8310 North Davis Hwy | Pensacola | 32514 | | 252 | 5,128 | |
| First Presbyterian Church | | 33 East Gregory St | Pensacola | 32595 | 480 | 0 | 0 | |
| First United Methodist | | 6 East Wright St | Pensacola | 32501 | 306 | 0 | 0 | |
| Holy Cross Episcopal Church | | 7979 North 9th Ave | Pensacola | 32514 | 160 | 0 | 0 | |
| Holy Spirit Catholic Church | | 10650 Gulf Beach HWY | Pensacola | 32507 | 385 | 0 | 0 | |
| Jim Allen Elementary School | 6 | 1051 Highway 95A North | Cantonment | 32533 | 500 | 0 | 0 | |
| K-5 Molino | 1 | 6450 Hwy 95A North | Molino | 32577 | | 852 | 17,039 | |
| Liberty Church | | 2221 S. Blue Angel Pkwy | Pensacola | 32506 | 160 | 0 | 0 | |
| Lipscomb Elementary School | 1 | 10200 Ashton Brosnaham Dr | Pensacola | 32504 | 1,000 | 2,045 | 40,904 | |
| Longleaf Elementary | 2/2000 add | 2600 Longleaf Dr | Pensacola | 32526 | | 392 | 7,845 | |

## County Shelter Information

| ESCAMBIA | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Macedonia CME Church | | 2285 Stacy RD | Pensacola | 32533 | 41 | 0 | 0 | |
| Marcus Point Baptist | | 6205 North "W" St | Pensacola | 32535 | 1106 | 0 | 0 | |
| Navy Point Elementary | 8 (2002) | 1050 Gulf Beach Hwy | Pensacola | 32507 | 0 | 228 | 4,576 | |
| Northview High School | | 4100 West Hwy 4 | Century | 32535 | | 0 | 0 | |
| Northview High School | Gym | 4100 West Highway 4 | Century | 32525 | 1,500 | 764 | 15,280 | |
| Pensacola Civic Center | under arena | 201 East Gregory St | Pensacola | 32501 | 0 | 4,341 | 86,820 | |
| Pensacola Junior College | Bldg 3/Sports | 1000 College Avenue | Pensacola | 32514 | 350 | 271 | 10,853 | |
| Pensacola Junior College | Main | 1000 College Avenue | Pensacola | 32514 | | 0 | 0 | |
| Ransom Middle School | | 1000 West Kingsfield | Cantonment | 32533 | 1,000 | 0 | 0 | |
| Saufley Field | | Saufley Field | Pensacola | 32526 | 0 | 0 | 0 | 1,725 |
| Scenic Heights Elementary School | | 3801 Cherry Laurel Drive | Pensacola | 32514 | 350 | 0 | 0 | |
| Scenic Hills Church | | 1295 E. Nine Mile Rd | Pensacola | 32514 | 180 | 0 | 0 | |
| Sherwood Elementary | 10/2001 add | 501 Cherokee Trail | Pensacola | 32506 | | 212 | 4,236 | |
| St. Christopher | | 3200 North 12th Aven | Pensacola | 32503 | 13 | 0 | 0 | |
| Tate High School | 39/ cafeteria | 1771 Tate Rd | Pensacola | 32560 | | 514 | 10,275 | |
| Tate High School | 38/ gym | 1771 Tate Road | Pensacola | 32560 | 1,250 | 0 | 0 | |
| University of West Florida | Bldg 13 | 11000 University Parkway | Pensacola | 32514 | | 389 | 7,773 | |
| Warrington Middle School | | 450 South Old Corry Road | Pensacola | 32507 | 600 | 0 | 0 | |
| Washington High School | | 6000 College Road | Pensacola | 32504 | 2,000 | 0 | 0 | |
| West Florida HS- (former Beggs Voc- B1) | 25 | 2404 Longleaf Drive | Pensacola | 32506 | | 650 | 12,993 | |
| West Florida HS- (former Beggs Voc- B2) | 26 | 2404 Longleaf Drive | Pensacola | 32506 | | 305 | 6,096 | |
| West Pensacola Elementary | 2000 add | 801 North 49th Ave | Pensacola | 32506 | | 124 | 2,470 | |
| Woodham High School | | 150 East Burgess Road | Pensacola | 32504 | 2,000 | 0 | 0 | |
| Workman Middle | 7 | 6299 Lanier Dr | Pensacola | 32504 | | 286 | 5,720 | |
| | | | TOTALS FOR ESCAMBIA COUNTY | | 10,451 | 16,827 | 346,499 | 3,164 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 16,827 | 15,314 | 1,513 | | 346,499 | 30,266 | 316,234 | SURPLUS |

## County Shelter Information

| FLAGLER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Buddy Taylor Middle School | Main | 4500 Belle Terre Parkway | Palm Coast | 32137 | 1,000 | 2,330 | 46,600 | |
| Buddy Taylor Middle School | | 4500 Belle Terre Parkway | Palm Coast | 32137 | | 0 | 0 | |
| Bunnell Elementary School | | 500 East Howe Street | Bunnell | 32110 | 1,000 | 0 | 0 | |
| Indian Trails Elementary School | | 5055 Belle Terre Parkway | Palm Coast | 32137 | 1,000 | 0 | 0 | 1,355 |
| L. E. Wadsworth Elementary | 400 | 4550 Belle Terre Parkway | Palm Coast | 32135 | 1,000 | 128 | 2,558 | |
| Old Kings Elementary School | | North Old Kings Road | Bunnell | 32136 | 1,000 | 0 | 0 | |
| Palm Coast High School | 200 | 3265 East Highway 100 | Bunnell | 32110 | 2,000 | 697 | 13,940 | |
| Palm Coast High School | 700 | 3265 East Highway 100 | Bunnell | 32110 | | 556 | 11,120 | |
| Palm Coast High School | 800 | 3265 East Highway 100 | Bunnell | 32110 | | 556 | 11,120 | |
| | | | TOTALS FOR FLAGLER COUNTY | | 7,000 | 4,267 | 85,338 | 1,355 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 4,267 | 6,668 | -2,401 | 85,338 | 133,360 | -48,022 | DEFICIT |

## County Shelter Information

| FRANKLIN | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Apalachicola High School | | 190 14th St | Apalachicola | 32320 | 350 | 0 | 0 | 350 |
| Brown Elementary School | | 85 School Road | Eastpoint | 32328 | 300 | 0 | 0 | 300 |
| Carabelle High School | | 1001 Grey Avenue | Carabelle | 32322 | 300 | 0 | 0 | 300 |
| Chapman Elementary | | 155 Ave E | Apalachicola | 32320 | 450 | 0 | 0 | 450 |
| Church of God | | 1400 Tallahassee Street | Carabelle | 32322 | 60 | 0 | 0 | 60 |
| Church of God | | 379 Ave A | Eastpoint | 32328 | 90 | 0 | 0 | 100 |
| Fellowship Baptist Church | | 706 Ryan Street | Carabelle | 32322 | 100 | 0 | 0 | 100 |
| First Baptist Church | | 206 SE Ave A | Carabelle | 32322 | 170 | 0 | 0 | 180 |
| Lanark Community Church | | Spring Street | Lanark Village | 32323 | 75 | 0 | 0 | 75 |
| First Baptist Church | | 447 Ave A | Eastpoint | 32328 | 100 | 0 | 0 | 100 |
| Mormom Church | | Prado Street | Apalachicola | 32320 | 30 | 0 | 0 | 60 |
| Mt Zion Baptist Church | | 98 Ave E | Apalachicola | 32320 | 100 | 0 | 0 | 100 |
| United Methodist Church | | 102 NE Ave E | Carabelle | 32322 | 175 | 0 | 0 | 175 |
| United Methodist Church | | 75 5th Street | Apalachicola | 32320 | 60 | 0 | 0 | 60 |
| | | | TOTALS FOR FRANKLIN COUNTY | | 2,360 | 0 | 0 | 2,410 |

| Year 2004 | Shelter Capacity in People | Shelter Demand in People | Surplus/ Deficit in People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft20 | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 0 | 185 | -185 | 0 | 3,700 | -3,700 | DEFICIT |

## County Shelter Information

| GADSDEN | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Arnet Chapel AME Church | | 210 South Duval | Quincy | 32351 | 60 | 0 | 0 | 60 |
| Carter-Parramore Middle School | | South Stewart | Quincy | 32351 | 320 | 0 | 0 | 320 |
| School | | 335 Maple Street | Chattahoochee | 32324 | 250 | 0 | 0 | 250 |
| Chattahoochee High School | | Street | Chattahoochee | 32324 | 170 | 0 | 0 | 180 |
| Church | | 425 Main Street | Chattahoochee | 32324 | 125 | 0 | 0 | 125 |
| Florida State Hospital | | Highway 90 | Chattahoochee | 32324 | 200 | 0 | 0 | 200 |
| Church | | Wire Road | Chattahoochee | 32324 | 200 | 0 | 0 | 200 |
| Gadsden High School | 300 | 27001 Blue Star | Havana | 32333 | 500 | 699 | 13,987 | |
| Gadsden High School | 400 | Memorial Hwy | Havana | 32333 | | 1,194 | 23,875 | |
| Gadsden High School | 800 | Memorial Hwy | Havana | 32333 | | 560 | 11,198 | |
| Gadsden Voc-Tech School | | 201 MLK Boulevard | Quincy | 32351 | 200 | 0 | 0 | 200 |
| School | | 1830 West King Street | Quincy | 32351 | 240 | 0 | 0 | 240 |
| Greensboro Elementary School | | US Highway 90 East | Greensboro | 32351 | 200 | 0 | 0 | 200 |
| Greensboro High School | | SR 12 | Greensboro | 32351 | 275 | 0 | 0 | 275 |
| Gretna Elementary School | | 705 MLK Boulevard | Gretna | 32351 | 300 | 0 | 0 | 300 |
| Gretna City Hall | 1 | | | | | 400 | 8,000 | |
| Havana Elementary School | | South | Havana | 32333 | 375 | 0 | 0 | 375 |
| Havana Middle School | | 1210 Kemp Road | Havana | 32333 | 290 | 0 | 0 | 290 |
| Havana Northside High School | | 264 Carver Avenue | Havana | 32333 | 0 | 0 | 0 | 320 |
| James A Shanks High School | | 1400 West King Street | Quincy | 32351 | 350 | 0 | 0 | 350 |
| Mormon Church | | South Roberts Road | Quincy | 32351 | 40 | 0 | 0 | 40 |
| National Guard Armory | | 2049 Pat Thomas | Quincy | 32351 | 0 | 0 | 0 | 300 |
| New Bethel AME Church | | US Highway 90 East | Quincy | 32351 | 70 | 0 | 0 | 70 |
| Old Bethel AME Church | | High Bridge Road | Quincy | 32351 | 70 | 0 | 0 | 70 |
| Quincy Educational Center | | 500 W King Street | Quincy | 32351 | 240 | 0 | 0 | 240 |
| Quincy Recreational Center | | 122 North Graves Street | Quincy | 32351 | 100 | 0 | 0 | 100 |
| Stewart Street Elementary School | | South Stewart Street | Quincy | 32351 | 250 | 0 | 0 | 250 |
| St. James AME Church | | 514 South 11th Street | Quincy | 32351 | 70 | 0 | 0 | 70 |
| St. John AME Church | | Old Bainbridge Road | Quincy | 32351 | 60 | 0 | 0 | 60 |
| St. John Elementary School | | Highway 267 North | Quincy | 32351 | 240 | 0 | 0 | 240 |
| | | | TOTALS FOR GADSDEN COUNTY | | 5,195 | 2,853 | 57,060 | 5,325 |

## County Shelter Information

| GADSDEN | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity (ft²) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Year 2004 | | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
| Storm Category 4/5 | | 2,853 | 3,904 | -1,051 | 57,060 | 78,080 | -21,020 | DEFICIT |

## County Shelter Information

| GILCHRIST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity (ft²) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Bell Elementary School-Bldg.5/Cafetorium | 5 | NW 10th Street | Bell | 32619 | 492 | 492 | 9,840 | |
| Bell High School - Bldg. 14/Classroom | 14 | 930 South Main Street | Bell | 32619 | 305 | 305 | 6,100 | |
| Bell High School - Bldg. 16/Multi-Purpose | 16 | 930 South Main Street | Bell | 32619 | 467 | 467 | 9,340 | |
| Bell High School -Bldg. 20/Health Academy | 20 | 930 South Main Street | Bell | 32619 | 253 | 127 | 5,060 | |
| Trenton High School - Bldg. 27/Classroom | 27 | 1013 North Main Street | Trenton | 32693 | 342 | 342 | 6,840 | |
| Trenton High School - Bldg. 28/Classroom | 28 | 1013 North Main Street | Trenton | 32963 | 455 | 455 | 9,100 | |
| Trenton High School - Bldg. 30/Multi-purpose | 30 | 1013 North Main Street | Trenton | 32963 | 278 | 278 | 5,560 | |
| Trenton High School - Bldg. 34/New Gym | 34 | 1013 North Main Street | Trenton | 32963 | 432 | 432 | 8,640 | |
| Trenton Elementary School - Bldg.2/Cafetoriur | 2 | 1350SWSR26 | Trenton | 32693 | 492 | 492 | 9,840 | |
| TOTALS FOR GILCHRIST COUNTY | | | | | 3,516 | 3,390 | 70,320 | 0 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 3,390 | 2,066 | 1,324 | 70,320 | 41,320 | 29,000 | SURPLUS |

## County Shelter Information

| GLADES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity (ft²) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| American Legion Hall | | US Highway 27 | Moore Haven | N/A | 0 | 0 | 0 | |
| Buckhead Ridge Community Center I & II | | Highway 78 | Buckhead Ridge | N/A | 0 | 0 | 0 | |
| Buckhead Ridge V.F.W. | | Highway 78 | Buckhead Ridge | N/A | 0 | 0 | 0 | |
| Doyle Conner Agricultural Center | | US Highway 27 | Moore Haven | 33471 | 600 | 0 | 0 | |
| Glades County Public Health | | US Highway 27 | Moore Haven | 33471 | 0 | 0 | 0 | 25 |
| Lake Port Community Center | | Rte 2 Box 47A | Lakeport | 33471 | 100 | 0 | 0 | |
| Maple Grove Baptist Church | | 120 East State Rd 78 W | Lakeport | 33471 | 344 | 343 | 6,854 | |
| Moore Haven Elementary School | | US Highway 27 | Moore Haven | N/A | 150 | 0 | 0 | |
| Moore Haven High School | | US Highway 27 | Moore Haven | N/A | 0 | 0 | 0 | |
| Muse Community Center/Volunteer Fire Dept | | SR 720 & Rainbow Blvd | Muse | 33935 | 144 | 144 | 2,880 | |
| Muse Community Center (new) | | Loblolly Road | Muse | 33935 | 252 | 0 | 0 | |
| Ortona Volunteer Fire Department | | Ortona Locks Road | Ortona | N/A | 0 | 0 | 0 | |
| Palmdale Community Center | | US Highway 27 | Palmdale | N/A | 0 | 0 | 0 | |
| VFW | | | | | | 120 | 2,400 | |
| TOTALS FOR GLADES COUNTY | | | | | 1,590 | 607 | 12,134 | 25 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 607 | 5,900 | -5,293 | 12,134 | 118,000 | -105,866 | DEFICIT |

## County Shelter Information

| GULF | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity (ft²) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Port St. Joe Cennential Building | | 2201 Centennial Drive | Port St. Joe | 32456 | 0 | 0 | 0 | |
| Port St. Joe Elementray School | | 2201 Long Avenue | Port St. Joe | 32465 | 0 | 0 | 0 | |
| Port St. Joe High School | | 100 Shark Circle | Port St. Joe | 32345 | 0 | 0 | 0 | |
| Washington Recreational Center | | 407 Kenny Street | Port St. Joe | 32345 | 434 | 0 | 0 | |
| Wewahitchika Elementary School | | 514 East River Road | Wewahitchka | 32465 | 193 | 0 | 0 | |
| Wewahitchika High School | | 754 East River Road | Wewahitchka | 32465 | 904 | 0 | 0 | |
| Wewahitchika Comm. Bldg | | | Wewahitchka | 32465 | | 10 | 600 | |
| TOTALS FOR GULF COUNTY | | | | | 1,531 | 10 | 600 | 0 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Cateogry 4/5 | 10 | 846 | -836 | 600 | 16,920 | -16,320 | DEFICIT |

## County Shelter Information

| HAMILTON | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Central Hamilton Elementary School | Kinder. | Route 2, Box 136 | Jasper | 32052 | | 119 | 2,371 | |
| Greenwood School | 3 | US 41 North | Jasper | 32052 | | 119 | 2,371 | |
| Hamilton County High School | | Route 2, Box 137 | Jasper | 32052 | | 0 | 0 | |
| North Hamilton Elementray School | 2 | 1291 Florida Street | Jennings | 32053 | | 119 | 2,371 | |
| Stephen Foster Memorial | | Robert & Spring Street | White Spring | 32096 | | 0 | 0 | |
| VFW Post 8095 | | N/A | Jasper | 32052 | | 0 | 0 | |
| Town of Jennings | EOC/Fire | | | | | 144 | 2,880 | |
| TOTALS FOR HAMILTON COUNTY | | | | | 0 | 501 | 9,993 | |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 501 | 1,455 | -954 | 9,993 | 29,100 | -19,107 | DEFICIT |

## County Shelter Information

| HARDEE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496, or Not Yet Surveyed) |
| Bowling Elementary School | | 4530South Church Street | Bowling Green | 33834 | 750 | 147 | 2,938 | 750 |
| Faith Presbyterian Church | | 114 N 7th Avenue | Wauchula | 33873 | 200 | 0 | 0 | 200 |
| First Baptist Church of Wauchula | | 1570 W Main Street | Wauchula | 33873 | 500 | 0 | 0 | 500 |
| Florida Hospital Wauchula | | 533 West Carlton Street | Bowling Green | N/A | | 0 | 0 | |
| Hardee Junior High School | | 300 South Florida Avenue | Wauchula | 33873 | 1,400 | 0 | 0 | 1,400 |
| Hardee Manor Care Center | | 401 Orange Place | Wauchula | N/A | | 0 | 0 | |
| New Zion African Methodist Church | | 1607 Martin Luther King Jr. Av | Wauchula | 33873 | 120 | 0 | 0 | 120 |
| North Wauchula Elementary School | | 1120 North Florida Avenue | Wauchula | 33873 | 1,500 | 147 | 2,938 | 1,500 |
| Wauchula Elementary School | | 400 South Florida Avenue | Wauchula | 33873 | 2,500 | 0 | 0 | 2,500 |
| Zolfo Springs Baptist Church | | 320 Fourth Street East | Zolfo Springs | 33890 | 200 | 0 | 0 | 200 |
| Zolfo Springs Church of God | | 2915 Schoolhouse Road | Zolfo Springs | 33890 | 200 | 0 | 0 | 200 |
| Zolfo Springs Elementary School | | 3215 Schoolhouse Road | Zolfo Springs | N/A | 800 | 220 | 4,407 | 800 |
| Wauchula ES | ESE/06 | 400 South Florida Avenue | Wauchula | 33873 | 605 | 605 | 12,100 | |
| Wauchula ES | 05/media | 400 South Florida Avenue | Wauchula | 33873 | 148 | 148 | 2,963 | |
| TOTALS FOR HARDEE COUNTY | | | | | 8,923 | 1,267 | 25,346 | 8,170 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 1,267 | 9,655 | -8,388 | 25,346 | 193,100 | -167,754 | DEFICIT |

## County Shelter Information

| HENDRY | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Clewiston Central Elementary School | Café | 1000 South Dean Duff Ave | Clewiston | 33440 | 293 | 365 | 7,290 | 553 |
| Clewiston Eastside Elementary School | | 201 West Arroyo Avenue | Clewiston | 33440 | 0 | 0 | 0 | |
| Clewiston High School | 8 | 1501 South Francisco | Clewiston | 33440 | 717 | 500 | 10,000 | 1,077 |
| Clewiston High School | 10 | 1501 South Francisco | Clewiston | 33440 | | 337 | 6,730 | |
| Clewiston Middle School | Gym | 601 West Osceola | Clewiston | 33440 | 442 | 500 | 10,000 | 163 |
| Clewiston Middle School | 27 | 601 West Osceola | Clewiston | 33440 | | 163 | 3,264 | |
| Clewiston Westside Elementary School | West | 205 West Arroyo Avenue | Clewiston | 33440 | 157 | 235 | 4,704 | 511 |
| Country Oaks Elementary School | 1 | 2025 NW Eucalyptus Blvd | LaBelle | 33935 | 178 | 267 | 5,343 | 267 |
| Edward A Upthegrove Elementray School | | 280 North Main Street | LaBelle | 33935 | | 0 | 0 | 0 |
| Felda Community Center | | 1050 CR 830 | Felda | 33930 | 71 | 0 | 0 | 106 |
| Hendry County Health Department | | 1140 Pratt Boulevard | LaBelle | 33935 | | 0 | 0 | 0 |
| Harlem Community Civic Auditorium | | 2000 7th Street | Clewiston | 33440 | 122 | 0 | 0 | 183 |
| John Boy Auditorium | Beardsly Rm | 1300 South WC Owens Ave | Clewiston | 33440 | 175 | 39 | 1,564 | 263 |
| LaBelle Civic Center | | 400 Hickpochee Avenue | LaBelle | 33935 | 209 | 0 | 0 | 313 |
| LaBelle Elementary School | 5 | West Cowboy Way | LaBelle | 33935 | 188 | 282 | 5,630 | 282 |
| LaBelle High School | 3 | 4050 East Cowboy Way | LaBelle | 33935 | 909 | 371 | 7,425 | 1,363 |
| LaBelle High School | 2 | 4050 East Cowboy Way | LaBelle | 33935 | | 282 | 5,630 | |
| LaBelle Middle School | Gym | West Cowboy Way | LaBelle | 33935 | 333 | 500 | 10,000 | |
| Pioneer Plantation Community Center | | Panama Drive | Clewiston | 33440 | 80 | 120 | 2,400 | 120 |
| VFW Post 10100 | | | | | | 43 | 1,725 | |
| | | | TOTALS FOR HENDRY COUNTY | | 3,874 | 4,004 | 81,705 | 5,201 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 4,004 | 6222 | -2,218 | 81,705 | 124440 | -42,735 | DEFICIT |

## County Shelter Information

| HERNANDO | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Brooksville Elementary School - Bldg. 8H | 8H | 250 East Kelly Street | Brooksville | 34601 | 4,829 | 241 | 4,829 | 4,829 |
| Brooksville Elementary School - Bldg. 2B | 2B | 250 East Kelly Street | Brooksville | 34601 | 14,185 | 709 | 14,185 | 14,185 |
| Central High School - Bldg. 5E | 5e | 14075 Ken Austin Parkwa | Brooksville | 34602 | 7,140 | 0 | 0 | 7,140 |
| Central High School - Bldg. 3C | 3c | 14075 Ken Austin Parkwa | Brooksville | 34602 | 10,091 | 0 | 0 | 10,091 |
| Christ Lutheran Church - Bldg. 1 | 1 | 475 West North Avenue | Brooksville | 34601 | 2,584 | 0 | 0 | 2,584 |
| Chocachatti Elementary School - Bldg. 3 | 3 | 4135 California Street | Brooksville | 34609 | 7,279 | 0 | 0 | 7,279 |
| Chocachatti Elementary School - Bldg. 4 | 4 | 4135 California Street | Brooksville | 34609 | 5,603 | 280 | 5,603 | 5,603 |
| Chocachatti Elementary School - Bldg. 5 | 5 | 4135 California Street | Brooksville | 34609 | 5,836 | 292 | 5,836 | 5,836 |
| Deltona Elementary School - Bldg. 500 | 500 | 2055 Deltona Boulevard | Springhill | N/A | 3,917 | 0 | 0 | 3,917 |
| Deltona Elementary School - Bldg. 400 | 400 | 2055 Deltona Boulevard | Springhill | N/A | 5,765 | 288 | 5,765 | 5,765 |
| Deltona Elementary School - Bldg. 300 | 300 | 2055 Deltona Boulevard | Springhill | N/A | 8,157 | 408 | 8,157 | 8,157 |
| Eastside Elementary School - Bldg. 600 | 600 | 2715 Roper Drive | Springhill | 34602 | 2,774 | 0 | 0 | 2,774 |
| Eastside Elementary School - Bldg. 800 | 800 | 2715 Roper Drive | Springhill | 34602 | 7,957 | 0 | 0 | 7,957 |
| Eastside Elementary School - Bldg. 900 | 900 | 2715 Roper Drive | Springhill | 34602 | 7,072 | 0 | 0 | 7,072 |
| First United Methodist Church - Bldg. 1 | 1 | 109 South Broad Street | Brooksville | 34601 | 3,145 | 0 | 0 | 3,145 |
| Fox Chapel Middle School - Bldg. 300 | 300 | 9412 Fox Chapel Lane | Springhill | 34609 | 6,055 | 303 | 6,055 | 6,055 |
| Fox Chapel Middle School - Bldg. 600 | 600 | 9412 Fox Chapel Lane | Springhill | 34609 | 7,879 | 0 | 0 | 7,879 |
| Hernando High School- Bldg 15 | 15 | 200 East Kelly Street | Brooksville | 34601 | | 126 | 2,528 | |
| Hernando High School - Bldg. 17 | 17 | 200 East Kelly Street | Brooksville | 34601 | 4,054 | 0 | 0 | 4,054 |
| Hernando High School - Bldg. 25 | 25 | 200 East Kelly Street | Brooksville | 34601 | 10,659 | 0 | 0 | 10,659 |
| Hernando High School - Bldg. 26 | 26 | 200 East Kelly Street | Brooksville | 34601 | 6,338 | 0 | 0 | 6,338 |
| J.D. Floyd Elementary School - Bldg. 900 | 900 | 3139 Dumont Avenue | Springhill | 34609 | 5,616 | 0 | 0 | 5,616 |
| Knights of Columbus - Bldg. 1 | 1 | 10470 Spring Hill Drive | Springhill | N/A | 4,467 | 0 | 0 | 4,467 |
| Masarytown Community Center - Bldg. 1 | 1 | 539 Lincoln Avenue | Masarytown | 34609 | 3,825 | 0 | 0 | 3,825 |
| Moton School Center - Bldg. 400 | 400 | 7175 Emerson Road | Brooksville | 34601 | 5,283 | 264 | 5,283 | 5,283 |
| Moton School Center - Bldg. 500 | 500 | 7175 Emerson Road | Brooksville | 34601 | 5,865 | 293 | 5,865 | 5,865 |
| Nature Coast Tech High | | | | | | 263 | 10,500 | |
| Parrot Middle School - Bldg. 2 | 2 | 19220 Youth Drive | Brooksville | 34601 | 8,010 | 0 | 0 | 8,010 |
| Parrot Middle School - Bldg. 3 | 3 | 19220 Youth Drive | Brooksville | 34601 | 9,710 | 0 | 0 | 9,710 |
| Pasco/Hernando Community College - Bldg. 1A | 1a | 11415 Ponce de Leon Blv | Brooksville | 34601 | 1,102 | 0 | 0 | 1,102 |
| Pinegrove Elementary School - Bldg. 7 | 7 | 14411 Ken Dustin Parkwa | Brooksville | 34613 | 4,570 | 0 | 0 | 4,570 |
| Pinegrove Elementary School - Bldg. 8 | 8 | 14411 Ken Dustin Parkwa | Brooksville | 34613 | 4,570 | 0 | 0 | 4,570 |
| Pinegrove Elementary School - Bldg. 9 | 9 | 14411 Ken Dustin Parkwa | Brooksville | 34613 | 5,252 | 0 | 0 | 5,252 |
| Powell Middle School - Bldg. 400 | 400 | 14400 Powell Road | Brooksville | N/A | 4,233 | 0 | 0 | 4,233 |
| Powell Middle School - Bldg. 500 | 500 | 14400 Powell Road | Brooksville | N/A | 4,515 | 0 | 0 | 4,515 |
| Powell Middle School - Bldg. 1000 | 1000 | 14400 Powell Road | Brooksville | N/A | 8,150 | 0 | 0 | 8,150 |

## County Shelter Information

| HERNANDO | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Ridge Manor Community Center - Bldg. 1 | 1 | Cortez Boulevard | Brooksville | 34204 | 2,143 | 0 | 0 | 2,143 |
| Spring Hill Elementary School - Bldg. 100 | 100 | 6000 Roble | Springhill | 34608 | 2,754 | 0 | 0 | 2,754 |
| Spring Hill Elementary School - Bldg. 900 | 900 | 6000 Roble | Springhill | 34608 | 6,589 | 0 | 0 | 6,589 |
| Springstead High School - Bldg. 1c | 1c | 2300 Maniner Boulevard | Springhill | N/A | 5,440 | 0 | 0 | 5,440 |
| Springstead High School - Bldg. 1g | 1G | 2300 Maniner Boulevard | Springhill | N/A | 9,701 | 164 | 3,277 | 9,701 |
| Springstead High School - Bldg. 12 | 12 | 2300 Maniner Boulevard | Springhill | N/A | 7,125 | 0 | 0 | 7,125 |
| Suncoast Elementary School - Bldg. 100 | | 11135 Quality Drive | Springhill | 34609 | 1,862 | 0 | 0 | 1,862 |
| Suncoast Elementary School - Bldg. 500 | 500 | 11135 Quality Drive | Springhill | 34609 | 4,902 | 0 | 0 | 4,902 |
| West Hernando Middle School - Bldg. 300 | 300 | 9412 Fox Chapel Lane | Springhill | N/A | 11,092 | 0 | 0 | 11,092 |
| West Hernando Middle School - Bldg. 400 | 400 | 9412 Fox Chapel Lane | Springhill | N/A | 11,010 | 0 | 0 | 11,010 |
| West Hernando Middle School - Bldg. 600 | 600 | 9412 Fox Chapel Lane | Springhill | N/A | 6,647 | 166 | 6,647 | 6,647 |
| West Hernando Middle School - Bldg. 800 | 800 | 9412 Fox Chapel Lane | Springhill | N/A | 11,050 | 553 | 11,050 | 11,050 |
| Westside Elementary School - Bldg. 4 | 4 | 5400 Applegate Drive | Springhill | 34606 | 7,990 | 0 | 0 | 7,990 |
| | | | TOTALS FOR HERNANDO COUNTY | | 294,792 | 4,350 | 95,580 | 294,792 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus / Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 4,350 | 17,320 | -12,970 | 95,580 | 346,400 | -250,820 | DEFICIT |

## County Shelter Information

| HIGHLANDS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Apostolic Church of Jesus | | 956Carolina Avenue | Avon Park | 33825 | 107 | 0 | 0 | 107 |
| Agri-Civic Center | | 4505 George Blvd | Sebring | | 506 | 0 | 0 | |
| Avon Park Elementary School | Cafeteria | 705 West Winthrop | Avon Park | 33825 | 165 | 534 | 10,680 | 83 |
| Avon Park High School | | 700 East Main Street | Avon Park | 33825 | 1,250 | 0 | 0 | 625 |
| Avon Park Middle School | | South Lake Avenue | Avon Park | 33825 | 1,213 | 0 | 0 | 645 |
| Avon Park Public Works | | 221 US 27 South | Avon Park | 33825 | | 430 | 8,600 | 0 |
| Avon Park Recreation | | 207 East State St | Avon Park | 33825 | 602 | 652 | 13,040 | 0 |
| Cracker Trail Elementary School | | 8200 Sparta Road | Sebring | 33870 | 235 | 0 | 0 | 118 |
| Emmanuel United Church | | 3115 Hope Street | Sebring | 33872 | 38 | 0 | 0 | 38 |
| First Presbyterian Church - Lake Placid | | 117 North Oak Street | Lake Placid | 33852 | 100 | 0 | 0 | 50 |
| First United Methodist Church | | 125 South Pine Street | Sebring | 33879 | 0 | 0 | 0 | 0 |
| Fred Wild Elementary School | | 1910 South Highlands Ave | Sebring | 33870 | 205 | 0 | 0 | 103 |
| Highlands County Health Depat | | 7205 Georg Blvd | Sebring | | 50 | 0 | 0 | |
| Hill/ Gustat Middle School | | 4700 Schumacher Road | Sebring | 33870 | 740 | 0 | 0 | 370 |
| Jack and Jill Child Care | | 738 Glenwood Avenue | Sebring | 33879 | 41 | 0 | 0 | 41 |
| Lake County Elementary School | | 516 County Road 29 | Lake Placid | 33852 | 235 | 0 | 0 | 118 |
| Lake Placid Elementary School | | 101 Green Dragon Drive | Lake Placid | 33852 | 205 | 0 | 0 | 103 |
| Lake Placid High School | | 202 Lake Drive | Lake Placid | 33852 | 1,335 | 0 | 0 | 668 |
| Lake Placid Middle School | | 201 Tangerine Drive | Lake Placid | 33852 | 760 | 0 | 0 | 380 |
| Park Elementary School | | 327 East Palmetto | Avon Park | 33825 | 235 | 0 | 0 | 118 |
| Reflection on Silver Lake | | 1850 US 27 South | Avon Park | 33825 | 142 | 0 | 0 | 142 |
| Restoration Church | | 8475 Sparta Rd | Sebring | | 450 | 0 | 0 | |
| Royal Care of Avon Park Rehab & Nursing Home | | 1281 West Stratford Road | Avon Park | 33825 | 200 | 0 | 0 | 90 |
| St. Johns United Methodist Church | | 3214 Grand Prix Drive | Sebring | 33872 | 40 | 0 | 0 | 40 |
| Sebring Church of the Nazarene | | 318 South Commerce Ave | Sebring | 33870 | 100 | 0 | 0 | 50 |
| Sebring Country Estates Civic Association | | 3240 Grand Prix Drive | Sebring | 33872 | 63 | 0 | 0 | 63 |
| Sebring High School | Cafeteria | 3514 Kenilworth Boulevard | Sebring | 33870 | 1,260 | 534 | 10,680 | 630 |
| Sebring Middle School | | 500 East Center | Sebring | 33870 | 1,133 | 0 | 0 | 633 |
| Skate Center | | 125 Commerece | Lake Placid | 33852 | 75 | 0 | 0 | 38 |
| South Florida Community College | | 600 West College Dr | Avon Park | 33825 | 680 | 334 | 6,680 | 0 |
| Sun'N Lake Elementary School | | 4515 Ponce De Leon | Sebring | 33870 | 265 | 0 | 0 | 133 |
| Temple Israel of Highlands County | | 1305 Hillside Drive | Sebring | 33870 | 25 | 0 | 0 | 25 |
| The Elks - Lake Placid | | 200 CR 621 East | Lake Placid | 33852 | 120 | 0 | 0 | 120 |
| Walker Memorial Seventh Day Adventist | | 1410 West Avon Boulevard | Avon Park | 33825 | 100 | 0 | 0 | 50 |
| Woodlawn Elementary School | Cafeteria | 718 Fielder Boulevard | Sebring | 33870 | 180 | 534 | 10,680 | 90 |

## County Shelter Information

| HIGHLANDS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| TOTALS FOR HIGHLANDS COUNTY | | | | | 12,855 | 3,018 | 60,360 | 5,671 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 3,018 | 22245 | -19,227 | 60,360 | 444900 | -384,540 | DEFICIT |

## County Shelter Information

| HILLSBOROUGH | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Adams Middle | Gym | 10201 N Boulevard | Tampa | 33612 | 1,100 | 800 | 16,800 | |
| Benito Middle | 2 | 10101 Cross Creek Blvd | Tampa | 33647 | | 896 | 17,920 | |
| Benito Middle | 3 | 10101 Cross Creek Blvd | Tampa | 33647 | | 758 | 15,160 | |
| Benito Middle | 6 | 10101 Cross Creek Blvd | Tampa | 33647 | | 1,133 | 22,660 | |
| Benito Middle | | 10101 Cross Creek Blvd | Tampa | 33647 | 2,790 | 0 | 0 | |
| Bevis Elementary | 2 | 5720 Osprey Ridge Dr | Lithia | 33547 | 5,000 | 813 | 16,250 | |
| Bevis Elementary | 3 | 5720 Osprey Ridge Dr | Lithia | 33547 | | 705 | 14,100 | |
| Bloomingdale High | 13 | 1700 E. Bloomingdale Ave | Valrico | 33594 | 7,200 | 1,308 | 26,160 | |
| Bryant ES (Bevis Clone) | 2 | 13910 Nine Eagles Road | Tampa | 33626 | | 813 | 16,250 | |
| Bryant ES (Bevis Clone) | 3 | 13910 Nine Eagles Road | Tampa | 33626 | | 705 | 14,100 | |
| Burnett Middle | A | 1010 N. Kingsway Rd | Seffner | 33584 | 2,600 | 740 | 14,800 | |
| Burnett Middle | E | 1010 N. Kingsway Rd | Seffner | 33584 | | 203 | 4,060 | |
| Burnettt Middle | C | 1010 N. Kingsway Rd | Seffner | 33584 | | 450 | 9,000 | |
| Chiles Elementary | 2 | 16541 Tampa Palms Blvd | Tampa | 33647 | 2,168 | 603 | 12,065 | |
| Chiles Elementary | 3 | 16541 Tampa Palms Blvd | Tampa | 33647 | | 507 | 10,148 | |
| Chiles Elementary | 4 | 16541 Tampa Palms Blvd | Tampa | 33647 | | 0 | 0 | |
| Church Of Jesus Christ LDS | | 8020 Gunn Hwy | Tampa | 33626 | 2,000 | 0 | 0 | |
| Cimino ES (Pride ES clone) | 2 | 4329 Culbreath Road | Valrico | 33594 | | 825 | 16,500 | |
| Cimino ES (Pride ES clone) | 3 | 4329 Culbreath Road | Valrico | 33594 | | 899 | 17,975 | |
| Crestwood ES | 13 | 7824 N Manhattan Ave | Tampa | 33614 | 19,950 | 995 | 19,900 | |
| Cypress Creek Elementary | | 4040 19th Ave N.E. | Ruskin | 33570 | 1,295 | 0 | 0 | |
| Durant High | 1 | 4748 Cougar Path | Plant City | 33567 | 4,500 | 348 | 6,960 | |
| Durant High | 2 | 4748 Cougar Path | Plant City | 33567 | | 887 | 17,740 | |
| Durant High | 3 | 4748 Cougar Path | Plant City | 33567 | | 483 | 9,660 | |
| Durant High | 4 | 4748 Cougar Path | Plant City | 33567 | | 175 | 3,500 | |
| Durant High | 5 | 4748 Cougar Path | Plant City | 33567 | | 377 | 7,540 | |
| Durant High | 6 | 4748 Cougar Path | Plant City | 33567 | | 416 | 8,320 | |
| Durant High | 7 | 4748 Cougar Path | Plant City | 33567 | | 847 | 16,940 | |
| Elementary "U" | | | | | 2,100 | 1,500 | 30,000 | |
| Erwin Technical Center | | 2010 E. Hillsborough Ave | Tampa | 33610 | | 750 | 30,000 | 750 |
| Essrig Elementary | | 13031 Lynn Rd | Tampa | 33624 | 1,250 | 121 | 2,420 | |
| Franklin Middle | Gym | 3915 E. 21st | Tampa | 33605 | 1,100 | 800 | 16,000 | |
| Gaither High | | 16200 N. Dale Mabry Hwy | Tampa | 33618 | 7,200 | 218 | 4,360 | |
| Good Samaritan Mission | | 1492 Balm Wimauma Rd | Wimauma | 33598 | 325 | 200 | 4,000 | |
| Greco Middle | Gym | 6925 E. Fowler | Temple Terrace | 33617 | 1100 | 800 | 16,000 | |

## County Shelter Information

| HILLSBOROUGH | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Heritage Elementary | | Cross Creek | Tampa | 33647 | 1783 | 1,735 | 34,700 | |
| Ippolito ES (Chiles ES clone) | 2 | 6874 South Faulkenburg Rd | Riverview | 33569 | | 468 | 9,365 | |
| Ippolito ES (Chiles ES clone) | 3 | 6874 South Faulkenburg Rd | Riverview | 33569 | | 507 | 10,148 | |
| Jennnings Middle | | | Thonotosass | 33592 | 2060 | 1,500 | 30,000 | |
| Lake Magdelene ES | 14 | 2002 Pine La | Tampa | 33612 | 1200 | 455 | 9,100 | |
| Limona ES | 9 | 1115 TelFair | Brandon | 3350 | 2025 | 184 | 3,680 | |
| Lockhart Elementary | 2 | 3719 N. 17th St | Tampa | 33610 | 308 | 308 | 6,160 | |
| Lockhart Elementary | 5 | 3719 N. 17th St | Tampa | 33610 | 408 | 408 | 8,160 | |
| Marshall Middle | 12 | 18 S Maryland Avenue | Plant City | 33563 | | 509 | 10,180 | |
| McDonald Elementary | | 501 W. Pruett Rd | Seffner | 33584 | 1,158 | 0 | 0 | |
| McKitrick Elementary | 2 | 5503 Lutz Lake Fern Rd | Lutz | 33549 | 1,375 | 719 | 14,370 | |
| McKitrick Elementary | 3 | 5503 Lutz Lake Fern Rd | Lutz | 33549 | | 473 | 9,462 | |
| McKitrick Elementary | 4 | 5503 Lutz Lake Fern Rd | Lutz | 33549 | | 0 | 0 | |
| McLane MS | 20 | 306 N. Knight | Brandon | 33610 | 3,130 | 1,071 | 21,420 | |
| Memorial Middles | 6 | 4702 Central Avenue | Tampa | 33603 | | 332 | 6,640 | |
| Memorial MS | Gym | 4702 N. Cent | Tampa | 33603 | 116 | 800 | 16,000 | |
| Middleton High School | 2 | 4801 North 22nd Street | Tampa | 33610 | 5,000 | 750 | 15,000 | |
| Middleton High School | 3 | 4801 North 22nd Street | Tampa | 33610 | | 750 | 15,000 | |
| Middleton High School | | 4801 North 22nd Street | Tampa | 33610 | 5,000 | 3,115 | 62,300 | |
| Muller Elementary School | | | | | | 1,500 | 30,000 | |
| Mulrennan Middle | | Durant Rd | Durant | 33547 | 6,000 | 2,250 | 45,000 | |
| Nelson Elementary | | Durant Rd | Durant | 33547 | 2,168 | 1,910 | 38,200 | |
| Newson High | | Fish Hawk Bldv | Lithia | 33547 | 10,000 | 2,500 | 50,000 | |
| North County Career Center | | | Tampa | 33612 | 3,500 | 1,500 | 30,000 | |
| Orange Grove Magnet | | 3415 N. 16th St | Tampa | 33605 | 1,155 | 340 | 6,800 | |
| Pizzo ES | 2 | 11701 Bull Run | Tampa | 33617 | | 710 | 14,200 | |
| Pizzo ES | 3 | 11701 Bull Run | Tampa | 33617 | | 710 | 14,200 | |
| Pizzo ES | 4 | 11701 Bull Run | Tampa | 33617 | | 710 | 14,200 | |
| Plant City High | 18 | 1 Raider Pl | Plant City | 33566 | 6,500 | 545 | 10,900 | |
| Pride Elementary | 3 | 18271 Kinnan St | Tampa | 33647 | 2,500 | 2,325 | 16,500 | |
| Pride Elementary | 4 | 18271 Kinnan St | Tampa | 33647 | | 899 | 17,975 | |
| Randall Middle | 1 | 16510 Fish Hawk Blvd | Lithia | 33547 | 5,500 | 1,785 | 35,700 | |
| Randall Middle | 3 | 16510 Fish Hawk Blvd | Lithia | 33547 | | 1,273 | 25,460 | |
| Riverview High | 5 | 11311 Boyette Rd | Riverview | 33569 | 2,250 | 872 | 17,440 | |
| Riverview High | | 11311 Boyette Rd | Riverview | 33569 | 4,837 | 687 | 13,740 | |
| Riverview High, Building #10 | 10 | 11311 Boyette Rd | Riverview | 33569 | | 350 | 7,000 | |
| Robinson ES | 12 | 4801 S Turkey Creek Rd | Plant City | 33567 | 563 | 563 | 11,260 | |
| Robles ES | 15 | 4405 E Sligh Ave | Tampa | 33610 | 351 | 351 | 7,020 | |
| Robles ES | 16 | 4405 E Sligh Ave | Tampa | 33610 | 171 | 171 | 3,420 | |
| Rodgers Middle | 1 | 11910 Tucker Rd | Riverview | 33569 | 1,667 | 1,667 | 33,340 | |
| Rodgers Middle | 1 | 11910 Tucker Rd | Riverview | 33569 | 1,667 | 0 | 0 | |

## County Shelter Information

| HILLSBOROUGH | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Rodgers Middle | 2 | 11910 Tucker Rd | Riverview | 33569 | 510 | 510 | 10,200 | |
| Schmidt Elementary | | 2105 W. Win | Brandon | 33510 | 2,659 | 1,500 | 30,000 | |
| Sickles High | 2 | 7950 Gunn Hwy | Tampa | 33626 | 4,000 | 280 | 5,600 | |
| Sickles High | 3 | 7950 Gunn Hwy | Tampa | 33626 | | 218 | 4,360 | |
| Sickles High | 7 | 7950 Gunn Hwy | Tampa | 33626 | | 572 | 11,440 | |
| Sligh MS | 15 | 2011 E Sligh Ave | Tampa | 33610 | 510 | 589 | 11,780 | |
| Springhead ES | 14 | | | | 513 | 513 | 10,260 | |
| Sulphur Springs ES | 1 | | | | 1534 | 1,534 | 30,680 | |
| Symmes ES | 3 | 6280 Watson Road | Riverview | 33569 | 826 | 1,484 | 29,688 | |
| Symmes ES | 4 | 6280 Watson Road | Riverview | 33569 | 784 | 1,437 | 28,746 | |
| Symmes ES | 5 | 6280 Watson Road | Riverview | 33569 | | 0 | 0 | |
| Tomlin Middle | 6 | 501 N Woodrow Wilson | Plant City | 33567 | | 573 | 11,460 | |
| Turkey Creek Middle | 8 | 5005 S Turkey Creek Road | Plant City | 33567 | | 603 | 12,060 | |
| USF Sun Dome | | 4202 E. Fowler Ave | Tampa | 33620 | | 1,000 | 40,000 | 900 |
| Valrico ES | 3 (1st flr) | | | | 423 | 423 | 8,460 | |
| Valrico ES | 4 (1st flr) | | | | 480 | 480 | 9,600 | |
| Walker Middle | 2 | 8282 N. Mobley Rd | Odessa | 33556 | 2404 | 1,734 | 34,680 | |
| Walker Middle | 3 | 8282 N. Mobley Rd | Odessa | 33556 | 2,404 | 952 | 19,040 | |
| Wharton High | 2 | 20150 Bruce B. Downs Blvd | Tampa | 33647 | | 1,292 | 25,840 | |
| Wharton High | 3 | 20150 Bruce B. Downs Blvd | Tampa | 33647 | | 1,102 | 22,040 | |
| Wharton High | 4 | 20150 Bruce B. Downs Blvd | Tampa | 33647 | 4,000 | 1,454 | 29,080 | |
| Wharton High | 9 | 20150 Bruce B. Downs Blvd | Tampa | 33647 | | 628 | 12,560 | |
| Williams MS | 2 | 5020 N. 47th | Tampa | 33610 | 3535 | 650 | 13,000 | |
| Wilson Es | 3 | 702 W English St | Plant City | 33566 | 721 | 721 | 14,420 | |
| Young MS | 8 | 1807 E Martin Luther | Tampa | 33610 | 527 | 527 | 10,540 | |
| | | | TOTALS FOR HILLSBOROUGH COUNTY | | 155,900 | 79,553 | 1,596,862 | 1,650 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4 | 79,553 | 132670 | -53,117 | 1,596,862 | 2653400 | -1,056,538 | DEFICIT |

## County Shelter Information

| HOLMES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Bethleham High School | | Rt 3 Box 385 Hwy 177 | Bonifay | 32425 | 1,905 | 0 | 0 | 0 |
| Bonifay Middle School | | 401 McLaghlin Avenue | Bonifay | 32425 | 356 | 0 | 0 | 356 |
| Holmes County Agricultural Center | | Rt 1 Box 408 Hwy 90 E | Bonifay | 32425 | 436 | 0 | 0 | 0 |
| Holmes High School | | 825 West Hwy 90 | Bonifay | 32425 | 942 | 0 | 0 | 0 |
| Ponce De Leon Elementary School | | Rt 2 Box 2236 Hwy 81 N | Ponce de Leon | 32455 | 195 | 0 | 0 | 0 |
| Ponce De Leon High School - Gym | | PO Box 39 Hwy 81 N | Ponce de Leon | 32425 | 515 | 0 | 0 | 0 |
| Popular Springs High School | | 3720 Tillman Road | Graceville | 32440 | | 850 | 33,832 | |
| TOTALS FOR HOLMES COUNTY | | | | | 4,349 | 850 | 33,832 | 356 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 850 | 1,415 | -565 | 33,832 | 28,300 | 5,532 | DEFICIT |

## County Shelter Information

| INDIAN RIVER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or not Yet Surveyed) |
| Fellsmere Elementary School | 700 | 50 North Cypress Street | Fellsmere | 32948 | 166 | 570 | 11,394 | |
| Gifford Middle School | 600 | 2726 45th Street | Vero Beach | 32967 | 313 | 159 | 3,181 | |
| Gifford Middle School | 1200 | 2726 45th Street | Vero Beach | 32967 | | 168 | 3,364 | |
| Highlands Elementary School | | 500 20th Street W | Vero Beach | 32962 | 139 | 0 | 0 | 980 |
| J. A. Thompson Elementary School | MultPur. | 1110 18th Avenue SW | Vero Beach | 32962 | 145 | 61 | 1,224 | 1,214 |
| Oslo Middle School | 200 | 480 20th Street SW | Vero Beach | 32962 | 580 | 579 | 11,589 | |
| Oslo Middle School | 500 | 480 20th Street SW | Vero Beach | 32962 | | 158 | 3,162 | |
| Oslo Middle School | 600 | 480 20th Street SW | Vero Beach | 32962 | | 243 | 4,857 | |
| Oslo Middle School | 700 | 480 20th Street SW | Vero Beach | 32962 | | 579 | 11,590 | |
| Oslo Middle School | 900 | 480 20th Street SW | Vero Beach | 32962 | | 580 | 11,601 | |
| Pelican Island Elementary School | MultPur. | 1355 Schumann Drive | Sebastian | 32958 | 194 | 61 | 1,224 | 1,130 |
| Sebastian Elementary School | 900 | 400 CR 512 | Sebastian | 32958 | 148 | 215 | 4,309 | 1,277 |
| Sebastian River Middle School | All | 9400 CR 512 | Sebastian | 32968 | 461 | 1,499 | 29,971 | |
| Vero Beach High School | | 1707 16th Street | Vero Beach | 32960 | 693 | 0 | 0 | 929 |
| Vero Beach High School Learning Center | All | 1507 19th Street | Vero Beach | 32960 | 468 | 1,499 | 29,971 | |
| Sebastian River High School | A | 9001 90th Avenue | Sebastian | 32958 | 1,446 | 138 | 6,068 | |
| Sebastian River High School | C | 9001 90th Avenue | Sebastian | 32958 | | 108 | 4,342 | |
| Sebastian River High School | F | 9001 90th Avenue | Sebastian | 32958 | | 72 | 2,893 | |
| Sebastian River High School | G | 9001 90th Avenue | Sebastian | 32958 | | 54 | 2,179 | |
| Sebastian River High School | J | 9001 90th Avenue | Sebastian | 32958 | | 144 | 5,775 | |
| Sebastian River High School | K | 9001 90th Avenue | Sebastian | 32958 | | 93 | 3,701 | |
| Sebastian River High School | L | 9001 90th Avenue | Sebastian | 32958 | | 41 | 1,667 | |
| Sebastian River High School | M | 9001 90th Avenue | Sebastian | 32958 | | 149 | 5,969 | |
| Sebastian River High School | N | 9001 90th Avenue | Sebastian | 32958 | | 48 | 1,938 | |
| Sebastian River High School | V | 9001 90th Avenue | Sebastian | 32958 | | 161 | 6,474 | |
| Sebastian Senior Center | Center | | | | | 140 | 2,800 | |
| TOTALS FOR INDIAN RIVER COUNTY | | | | | 4,753 | 7,521 | 171,243 | 5,530 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 7,521 | 6800 | 721 | 171,243 | 136000 | 35,243 | SURPLUS |

## County Shelter Information

| JACKSON | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^3$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Cottondale High School | | 2680 Levy Street | Cottondale | 32431 | 1,162 | 0 | 0 | |
| Graceville Civic Center | | Highway 169 | Graceville | 32440 | 189 | 0 | 0 | |
| Graceville High School | | 5539 Brown Street, Hwy 77 | Graceville | 32440 | 516 | 0 | 0 | |
| Grand Ridge High School | | 6925 Florida Street | Grand Ridge | 32442 | 431 | 0 | 0 | |
| Marianna High School | | 2979 Daniels Street | Marianna | 32446 | 705 | 0 | 0 | |
| new Marianna High School | Area A | Caverns RD | Marianna | 32448 | | 354 | 7,082 | |
| new Marianna High School | Area B | Caverns RD | Marianna | 32448 | | 1,429 | 28,582 | |
| new Marianna High School | Area C | Caverns RD | Marianna | 32448 | | 284 | 5,683 | |
| new Marianna High School | Area D/D1 | Caverns RD | Marianna | 32448 | | 354 | 7,071 | |
| new Marianna High School | Area E | Caverns Rd | Marianna | 32448 | | 253 | 5,054 | |
| new Marianna High School | Area F/F1 | Caverns RD | Marianna | 32448 | | 228 | 4,565 | |
| Sneads High School | | 8066 Old Spanish | Sneads | 32460 | 518 | 0 | 0 | |
| Chipola Junior College | PSC | | | | | 499 | 9,980 | |
| Family Service Center | 1 | | | | | 0 | 0 | |
| TOTALS FOR JACKSON COUNTY | | | | | 3,521 | 3,401 | 68,017 | 0 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelte Demand (ft2) | Surplus/ Deficit (ft20 | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 3,401 | 3,989 | -588 | 68,017 | 79,780 | -11,763 | DEFICIT |

## County Shelter Information

| JEFFERSON | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^3$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| First Baptist Church | | 325 West Washington St | Monticello | 32344 | 100 | 0 | 0 | 100 |
| First United Methodist Church | | 325 West Walnut Street | Monticello | 32344 | 75 | 0 | 0 | 75 |
| Jefferson County High School | | 555 Tiger Lane | Monticello | 32344 | 300 | 0 | 0 | 300 |
| Mormon Church | | Spring Hollow Road | Monticello | 32344 | 40 | 0 | 0 | 40 |
| New Jefferson County High | Gym & Café | | | | | 626 | 12,520 | |
| TOTALS FOR JEFFERSON COUNTY | | | | | 515 | 626 | 12,520 | 515 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 626 | 879 | -253 | 12,520 | 17,580 | -5,060 | DEFICIT |

## County Shelter Information

| LAFAYETTE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| 4th District Community Ctr - 16 miles East of Mayo | | Hwy 27 South | Mayo | 32066 | 122 | 0 | 0 | 0 |
| Airline Community Ctr - 5 miles East of Mayo | | Hwy 27 South | Mayo | 32066 | 42 | 0 | 0 | 0 |
| Day Community Center - North of Day | | CR 53 | Mayo | N/A | 205 | 0 | 0 | 0 |
| Lafayette High School, Cafeteria | | US 27 East | Mayo | 32066 | 392 | 278 | 5,559 | 392 |
| Lafayette High School Gym | | US 27 East | Mayo | 32066 | 450 | 0 | 0 | 450 |
| Mayo Community Ctr - 1 mile West of Mayo | | Hwy 27 North | Mayo | 32066 | 183 | 0 | 0 | 0 |
| Oakridge Assisted Living | | | | | | 90 | 3,600 | |
| TOTALS FOR LAFAYETTE COUNTY | | | | | 1,394 | 368 | $ 159 | 842 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 368 | 899 | -531 | 9,159 | 17,980 | -8,821 | DEFICIT |

## County Shelter Information

| LAKE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Astatula Elementary School for the Arts | 1 | 13925 Florida Avenue | Astatula | 34705 | 0 | 188 | 3,760 | |
| Astatula Elementary School for the Arts | 2 | 13925 Florida Avenue | Astatula | 34705 | 0 | 358 | 7,160 | |
| Astatula Elementary School for the Arts | 3 | 13925 Florida Avenue | Astatula | 34705 | 0 | 274 | 5,480 | |
| Astatula Elementary School for the Arts | 4 | 13925 Florida Avenue | Astatula | 34705 | 120 | 0 | 0 | |
| Astatula Elementary School for the Arts | 5 | 13925 Florida Avenue | Astatula | 34705 | 194 | 0 | 0 | |
| Astatula Elementary School for the Arts | 6 | 13925 Florida Avenue | Astatula | 34705 | 205 | 0 | 0 | |
| Beverly Shores Elementary School | 1 | 1108 West Griffin Road | Leesburg | 34745 | 9 | 0 | 0 | |
| Beverly Shores Elementary School | 2 | 1108 West Griffin Road | Leesburg | 34745 | 60 | 0 | 0 | |
| Beverly Shores Elementary School | 3 | 1108 West Griffin Road | Leesburg | 34745 | 27 | 0 | 0 | |
| Beverly Shores Elementary School | 4 | 1108 West Griffin Road | Leesburg | 34745 | 59 | 0 | 0 | |
| Beverly Shores Elementary School | 5 | 1108 West Griffin Road | Leesburg | 34745 | 57 | 0 | 0 | |
| Beverly Shores Elementary School | 6 | 1108 West Griffin Road | Leesburg | 34745 | 64 | 0 | 0 | |
| Beverly Shores Elementary School | 7 | 1108 West Griffin Road | Leesburg | 34745 | 57 | 0 | 0 | |
| Beverly Shores Elementary School | 8 | 1108 West Griffin Road | Leesburg | 34745 | 80 | 0 | 0 | |
| Beverly Shores Elementary School | 98 | 1108 West Griffin Road | Leesburg | 34745 | 43 | 0 | 0 | |
| Beverly Shores Elementary School | 99 | 1108 West Griffin Road | Leesburg | 34745 | 193 | 0 | 0 | |
| Carver Middle School | 1 | 1200 North Beecher Street | Leesburg | 34745 | 137 | 0 | 0 | |
| Carver Middle School | 2 | 1200 North Beecher Street | Leesburg | 34745 | 17 | 0 | 0 | |
| Carver Middle School | 5 | 1200 North Beecher Street | Leesburg | 34745 | 16 | 0 | 0 | |
| Carver Middle School | 6 | 1200 North Beecher Street | Leesburg | 34745 | 28 | 0 | 0 | |
| Carver Middle School | 7 | 1200 North Beecher Street | Leesburg | 34745 | 231 | 0 | 0 | |
| Carver Middle School | 8 | 1200 North Beecher Street | Leesburg | 34745 | 46 | 0 | 0 | |
| Carver Middle School | 9 | 1200 North Beecher Street | Leesburg | 34745 | 128 | 0 | 0 | |
| Carver Middle School | 10 | 1200 North Beecher Street | Leesburg | 34745 | 30 | 0 | 0 | |
| Carver Middle School | 12 | 1200 North Beecher Street | Leesburg | 34745 | 36 | 0 | 0 | |
| Carver Middle School | 13 | 1200 North Beecher Street | Leesburg | 34745 | 24 | 0 | 0 | |
| Carver Middle School | 14 | 1200 North Beecher Street | Leesburg | 34745 | 24 | 0 | 0 | |
| Carver Middle School | 15 | 1200 North Beecher Street | Leesburg | 34745 | 34 | 0 | 0 | |
| Carver Middle School | 16 | 1200 North Beecher Street | Leesburg | 34745 | 34 | 0 | 0 | |
| Carver Middle School | 18 | 1200 North Beecher Street | Leesburg | 34745 | 7 | 0 | 0 | |
| Carver Middle School | 19 | 1200 North Beecher Street | Leesburg | 34745 | 71 | 0 | 0 | |
| Cecil E. Gray Middle School | 1 | 198 East Cherry Street | Groveland | 34736 | 179 | 0 | 0 | |
| Cecil E. Gray Middle School | 2 | 198 East Cherry Street | Groveland | 34736 | 36 | 0 | 0 | |
| Cecil E. Gray Middle School | 3 | 198 East Cherry Street | Groveland | 34736 | 72 | 0 | 0 | |
| Cecil E. Gray Middle School | 4 | 198 East Cherry Street | Groveland | 34736 | 47 | 0 | 0 | |
| Cecil E. Gray Middle School | 5 | 198 East Cherry Street | Groveland | 34736 | 164 | 0 | 0 | |

## County Shelter Information

| LAKE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Cecil E. Gray Middle School | 6 | 198 East Cherry Street | Groveland | 34736 | 189 | 0 | 0 | |
| Cecil E. Gray Middle School | 7 | 198 East Cherry Street | Groveland | 34736 | 54 | 0 | 0 | |
| Cecil E. Gray Middle School | 17 | 198 East Cherry Street | Groveland | 34736 | 52 | 0 | 0 | |
| Cecil E. Gray Middle School | 19 | 198 East Cherry Street | Groveland | 34736 | 9 | 0 | 0 | |
| Cecil E. Gray Middle School | 20 | 198 East Cherry Street | Groveland | 34736 | 33 | 0 | 0 | |
| Cecil E. Gray Middle School | 21 | 198 East Cherry Street | Groveland | 34736 | 68 | 0 | 0 | |
| Cecil E. Gray Middle School | 22 | 198 East Cherry Street | Groveland | 34736 | 14 | 0 | 0 | |
| Cecil E. Gray Middle School | 23 | 198 East Cherry Street | Groveland | 34736 | 40 | 0 | 0 | |
| Cecil E. Gray Middle School | 24 | 198 East Cherry Street | Groveland | 34736 | 14 | 0 | 0 | |
| Cecil E. Gray Middle School | 99 | 198 East Cherry Street | Groveland | 34736 | 12 | 0 | 0 | |
| Clermont Elementary School | 1 | 245 Second Street | Clermont | 34711 | 41 | 0 | 0 | |
| Clermont Elementary School | 2 | 245 Second Street | Clermont | 34711 | 55 | 0 | 0 | |
| Clermont Elementary School | 3 | 245 Second Street | Clermont | 34711 | 55 | 0 | 0 | |
| Clermont Elementary School | 4 | 245 Second Street | Clermont | 34711 | 12 | 0 | 0 | |
| Clermont Elementary School | 5 | 245 Second Street | Clermont | 34711 | 41 | 0 | 0 | |
| Clermont Elementary School | 6 | 245 Second Street | Clermont | 34711 | 5 | 0 | 0 | |
| Clermont Elementary School | 7 | 245 Second Street | Clermont | 34711 | 25 | 0 | 0 | |
| Clermont Elementary School | 8 | 245 Second Street | Clermont | 34711 | 48 | 0 | 0 | |
| Clermont Elementary School | 9 | 245 Second Street | Clermont | 34711 | 8 | 0 | 0 | |
| Clermont Elementary School | 10 | 245 Second Street | Clermont | 34711 | 37 | 0 | 0 | |
| Clermont Elementary School | 11 | 245 Second Street | Clermont | 34711 | 24 | 0 | 0 | |
| Clermont Elementary School | 13 | 245 Second Street | Clermont | 34711 | 229 | 0 | 0 | |
| Clermont Elementary School | 14 | 245 Second Street | Clermont | 34711 | 29 | 0 | 0 | |
| Clermont Elementary School | 17 | 245 Second Street | Clermont | 34711 | 27 | 0 | 0 | |
| Clermont Elementary School | 18 | 245 Second Street | Clermont | 34711 | 132 | 0 | 0 | |
| Cypress Ridge Elementary School | 1 | 350 East Avenue | Clermont | 34711 | 27 | 0 | 0 | |
| Cypress Ridge Elementary School | 8 | 350 East Avenue | Clermont | 34711 | 18 | 0 | 0 | |
| Cypress Ridge Elementary School | 9 | 350 East Avenue | Clermont | 34711 | 25 | 0 | 0 | |
| Cypress Ridge Elementary School | 10 | 350 East Avenue | Clermont | 34711 | 13 | 0 | 0 | |
| Cypress Ridge Elementary School | 11 | 350 East Avenue | Clermont | 34711 | 13 | 0 | 0 | |
| Cypress Ridge Elementary School | 12 | 350 East Avenue | Clermont | 34711 | 29 | 0 | 0 | |
| Cypress Ridge Elementary School | 15 | 350 East Avenue | Clermont | 34711 | 66 | 0 | 0 | |
| Cypress Ridge Elementary School | 19 | 350 East Avenue | Clermont | 34711 | 31 | 0 | 0 | |
| Cypress Ridge Elementary School | 99 | 350 East Avenue | Clermont | 34711 | 241 | 0 | 0 | |
| Dabney Elementary School | 1 | 910 East Dixie Avenue | Leesburg | 34748 | 10 | 0 | 0 | |
| Dabney Elementary School | 2 | 910 East Dixie Avenue | Leesburg | 34748 | 27 | 0 | 0 | |

## County Shelter Information

| LAKE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Dabney Elementary School | 3 | 910 East Dixie Avenue | Leesburg | 34748 | 14 | 0 | 0 | |
| Dabney Elementary School | 4 | 910 East Dixie Avenue | Leesburg | 34748 | 14 | 0 | 0 | |
| Dabney Elementary School | 5 | 910 East Dixie Avenue | Leesburg | 34748 | 27 | 0 | 0 | |
| Dabney Elementary School | 6 | 910 East Dixie Avenue | Leesburg | 34748 | 27 | 0 | 0 | |
| Dabney Elementary School | 7 | 910 East Dixie Avenue | Leesburg | 34748 | 29 | 0 | 0 | |
| Dabney Elementary School | 9 | 910 East Dixie Avenue | Leesburg | 34748 | 16 | 0 | 0 | |
| Dabney Elementary School | 10 | 910 East Dixie Avenue | Leesburg | 34748 | 16 | 0 | 0 | |
| Dabney Elementary School | 11 | 910 East Dixie Avenue | Leesburg | 34748 | 31 | 0 | 0 | |
| Dabney Elementary School | 12 | 910 East Dixie Avenue | Leesburg | 34748 | 27 | 0 | 0 | |
| Dabney Elementary School | 13 | 910 East Dixie Avenue | Leesburg | 34748 | 10 | 0 | 0 | |
| Dabney Elementary School | 14 | 910 East Dixie Avenue | Leesburg | 34748 | 29 | 0 | 0 | |
| Dabney Elementary School | 98 | 910 East Dixie Avenue | Leesburg | 34748 | 12 | 0 | 0 | |
| Dabney Elementary School | 99 | 910 East Dixie Avenue | Leesburg | 34748 | 49 | 0 | 0 | |
| East Ridge High School | 1. | 13322 Excalibur Road | Clermont | 34711 | 362 | 0 | 0 | |
| East Ridge High School | 2 | 13322 Excalibur Road | Clermont | 34711 | 221 | 0 | 0 | |
| East Ridge High School | 3 | 13322 Excalibur Road | Clermont | 34711 | 245 | 0 | 0 | |
| East Ridge High School | 4 | 13322 Excalibur Road | Clermont | 34711 | 256 | 0 | 0 | |
| East Ridge High School | 5 | 13322 Excalibur Road | Clermont | 34711 | 101 | 0 | 0 | |
| East Ridge High School | 6 | 13322 Excalibur Road | Clermont | 34711 | 103 | 0 | 0 | |
| East Ridge High School | 7 | 13322 Excalibur Road | Clermont | 34711 | 134 | 0 | 0 | |
| East Ridge High School | 8 | 13322 Excalibur Road | Clermont | 34711 | 271 | 0 | 0 | |
| East Ridge High School | 9 | 13322 Excalibur Road | Clermont | 34711 | 517 | 0 | 0 | |
| Elementary School "G" | 1 | | Leesburg | | | 183 | 3,660 | |
| Elementary School "G" | 2 | | Leesburg | | 364 | 0 | 0 | |
| Elementary School "G" | 3 | | Leesburg | | | 282 | 5,640 | |
| Elementary School "G" | 4 | | Leesburg | | | 222 | 4,440 | |
| Elementary School "G" | 5 | | Leesburg | | 276 | 0 | 0 | |
| Elementary School "G" | 6 | | Leesburg | | | 243 | 4,860 | |
| Eustis Elementary School | 1 | 714 East Citrus Avenue | Eustis | 32725 | 362 | 0 | 0 | |
| Eustis Elementary School | 2 | 714 East Citrus Avenue | Eustis | 32725 | 48 | 0 | 0 | |
| Eustis Elementary School | 3 | 714 East Citrus Avenue | Eustis | 32725 | 77 | 0 | 0 | |
| Eustis Elementary School | 5 | 714 East Citrus Avenue | Eustis | 32725 | 8 | 0 | 0 | |
| Eustis Elementary School | 7 | 714 East Citrus Avenue | Eustis | 32725 | 119 | 0 | 0 | |
| Eustis Elementary School | 99 | 714 East Citrus Avenue | Eustis | 32725 | 56 | 0 | 0 | |
| Eustis Heights Elementary School | 1 | 310 West Taylor Avenue | Eustis | 32726 | 59 | 0 | 0 | |
| Eustis Heights Elementary School | 2 | 310 West Taylor Avenue | Eustis | 32726 | 99 | 0 | 0 | |

## County Shelter Information

| LAKE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Eustis Heights Elementary School | 4 | 310 West Taylor Avenue | Eustis | 32726 | 22 | 0 | 0 | |
| Eustis Heights Elementary School | 5 | 310 West Taylor Avenue | Eustis | 32726 | 40 | 0 | 0 | |
| Eustis Heights Elementary School | 6 | 310 West Taylor Avenue | Eustis | 32726 | 40 | 0 | 0 | |
| Eustis Heights Elementary School | 7 | 310 West Taylor Avenue | Eustis | 32726 | 41 | 0 | 0 | |
| Eustis Heights Elementary School | 8 | 310 West Taylor Avenue | Eustis | 32726 | 70 | 0 | 0 | |
| Eustis Heights Elementary School | 11 | 310 West Taylor Avenue | Eustis | 32726 | 35 | 0 | 0 | |
| Eustis Heights Elementary School | 12 | 310 West Taylor Avenue | Eustis | 32726 | 79 | 0 | 0 | |
| Eustis Heights Elementary School | 13 | 310 West Taylor Avenue | Eustis | 32726 | 91 | 0 | 0 | |
| Eustis Heights Elementary School | 98 | 310 West Taylor Avenue | Eustis | 32726 | 12 | 0 | 0 | |
| Eustis Heights Elementary School | 99 | 310 West Taylor Avenue | Eustis | 32726 | 285 | 0 | 0 | |
| Eustis High Curtrught Center | 1 | 1801 Bates Avenue | Eustis | 32726 | 18 | 0 | 0 | |
| Eustis High Curtrught Center | 3 | 1801 Bates Avenue | Eustis | 32726 | 74 | 0 | 0 | |
| Eustis High Curtrught Center | 4 | 1801 Bates Avenue | Eustis | 32726 | 38 | 0 | 0 | |
| Eustis High Curtrught Center | 5 | 1801 Bates Avenue | Eustis | 32726 | 33 | 0 | 0 | |
| Eustis High Curtrught Center | 6 | 1801 Bates Avenue | Eustis | 32726 | 162 | 0 | 0 | |
| Eustis High Curtrught Center | 7 | 1801 Bates Avenue | Eustis | 32726 | 20 | 0 | 0 | |
| Eustis High Curtrught Center | 9 | 1801 Bates Avenue | Eustis | 32726 | 263 | 0 | 0 | |
| Eustis High Curtrught Center | 13 | 1801 Bates Avenue | Eustis | 32726 | 61 | 0 | 0 | |
| Eustis High Curtrught Center | 15 | 1801 Bates Avenue | Eustis | 32726 | 12 | 0 | 0 | |
| Eustis High School | 1 | 1300 East Washinton Avenue | Eustis | 32726 | 630 | 0 | 0 | |
| Eustis High School | 6 | 1300 East Washinton Avenue | Eustis | 32726 | 84 | 0 | 0 | |
| Eustis High School | 7 | 1300 East Washinton Avenue | Eustis | 32726 | 76 | 0 | 0 | |
| Eustis Middle School | 1 | 18726 East Bates Avenue | Eustis | 32726 | 143 | 0 | 0 | |
| Eustis Middle School | 2 | 18726 East Bates Avenue | Eustis | 32726 | 147 | 0 | 0 | |
| Eustis Middle School | 3 | 18726 East Bates Avenue | Eustis | 32726 | 160 | 0 | 0 | |
| Eustis Middle School | 4 | 18726 East Bates Avenue | Eustis | 32726 | 146 | 0 | 0 | |
| Eustis Middle School | 6 | 18726 East Bates Avenue | Eustis | 32726 | 90 | 0 | 0 | |
| Eustis Middle School | 7 | 18726 East Bates Avenue | Eustis | 32726 | 128 | 0 | 0 | |
| Eustis Middle School | 8 | 18726 East Bates Avenue | Eustis | 32726 | 216 | 0 | 0 | |
| Eustis Middle School | 99 | 18726 East Bates Avenue | Eustis | 32726 | 15 | 0 | 0 | |
| Fruitland Park Elementary School | 1 | 304 West Fountain Street | Fruitland Park | 34731 | 670 | 0 | 0 | |
| Fruitland Park Elementary School | 2 | 304 West Fountain Street | Fruitland Park | 34731 | 72 | 0 | 0 | |
| Fruitland Park Elementary School | 98 | 304 West Fountain Street | Fruitland Park | 34731 | 42 | 0 | 0 | |
| Fruitland Park Elementary School | 99 | 304 West Fountain Street | Fruitland Park | 34731 | 109 | 0 | 0 | |
| Griffin Education Center | 1 | 510 Palm Avenue | Howey | 34737 | 47 | 0 | 0 | |
| Griffin Education Center | 2 | 510 Palm Avenue | Howey | 34737 | 116 | 0 | 0 | |

## County Shelter Information

| LAKE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Griffin Education Center | 6 | 510 Palm Avenue | Howey | 34737 | 308 | 0 | 0 | |
| Griffin Education Center | 8 | 510 Palm Avenue | Howey | 34737 | 18 | 0 | 0 | |
| Griffin Education Center | 99 | 510 Palm Avenue | Howey | 34737 | 303 | 0 | 0 | |
| Groveland Elementary School | 1 | 930 Parkwood Avenue | Groveland | 34736 | 156 | 0 | 0 | |
| Groveland Elementary School | 2 | 930 Parkwood Avenue | Groveland | 34736 | 65 | 0 | 0 | |
| Groveland Elementary School | 3 | 930 Parkwood Avenue | Groveland | 34736 | 184 | 0 | 0 | |
| Groveland Elementary School | 4 | 930 Parkwood Avenue | Groveland | 34736 | 109 | 0 | 0 | |
| Groveland Elementary School | 6 | 930 Parkwood Avenue | Groveland | 34736 | 31 | 0 | 0 | |
| Groveland Elementary School | 7 | 930 Parkwood Avenue | Groveland | 34736 | 43 | 0 | 0 | |
| Groveland Elementary School | 8 | 930 Parkwood Avenue | Groveland | 34736 | 112 | 0 | 0 | |
| Groveland Elementary School | 98 | 930 Parkwood Avenue | Groveland | 34736 | 25 | 0 | 0 | |
| Groveland Elementary School | 99 | 930 Parkwood Avenue | Groveland | 34736 | 205 | 0 | 0 | |
| Howey Education Center | 1 | 525 Georgia Avenue | Howey | 34737 | 18 | 0 | 0 | |
| Howey Education Center | 2 | 525 Georgia Avenue | Howey | 34737 | 33 | 0 | 0 | |
| Lake Area Vocational-Technical Center Astat | 1 | 13000 Frankies Road | Tavares | 32778 | 39 | 0 | 0 | |
| Lake Area Vocational-Technical Center Astat | 2 | 13000 Frankies Road | Tavares | 32778 | 33 | 0 | 0 | |
| Lake Area Vocational-Technical Center Astat | 3 | 13000 Frankies Road | Tavares | 32778 | 148 | 0 | 0 | |
| Lake Area Vocational-Technical Center Eustis | 1 | 2001 Kurt Street | Eustis | 32726 | 276 | 0 | 0 | |
| Lake Area Vocational-Technical Center Eustis | 2 | 2001 Kurt Street | Eustis | 32726 | 164 | 0 | 0 | |
| Lake Area Vocational-Technical Center Eustis | 3 | 2001 Kurt Street | Eustis | 32726 | 11 | 0 | 0 | |
| Lake Area Vocational-Technical Center Eustis | 6 | 2001 Kurt Street | Eustis | 32726 | 16 | 0 | 0 | |
| Lake Area Vocational-Technical Center Eustis | 7 | 2001 Kurt Street | Eustis | 32726 | 12 | 0 | 0 | |
| Lake Area Vocational-Technical Center Tavar | 2 | 129000 Lane Park Cut-off | Tavares | 32778 | 26 | 0 | 0 | |
| Lake Area Vocational-Technical Center Tavar | 3 | 129000 Lane Park Cut-off | Tavares | 32778 | 17 | 0 | 0 | |
| Lake Area Vocational-Technical Center Tavar | 4 | 129000 Lane Park Cut-off | Tavares | 32778 | 17 | 0 | 0 | |
| Lake Hills School | 1 | 200 W Golf Links Avenue | Eustis | 32726 | 62 | 0 | 0 | |
| Lake Hills School | 99 | 200 W Golf Links Avenue | Eustis | 32726 | 410 | 0 | 0 | |
| Lee Education Center | 1 | 207 North Lee Street | Leesburg | 34748 | 169 | 0 | 0 | |
| Lee Education Center | 2 | 207 North Lee Street | Leesburg | 34748 | 50 | 0 | 0 | |
| Lee Education Center | 3 | 207 North Lee Street | Leesburg | 34748 | 46 | 0 | 0 | |
| Lee Education Center | 99 | 207 North Lee Street | Leesburg | 34748 | 80 | 0 | 0 | |
| Leesburg High School | 13 | 1401 West Meadows Avenue | Leesburg | 34748 | 119 | 0 | 0 | |
| Leesburg High School | 14 | 1401 West Meadows Avenue | Leesburg | 34748 | 37 | 0 | 0 | |
| Leesburg High School | 15 | 1401 West Meadows Avenue | Leesburg | 34748 | 12 | 0 | 0 | |
| Lost Lake Elementary School | 1 | 1901 Johns Lake Road | Clermont | 34711 | 0 | 235 | 4,700 | |
| Lost Lake Elementary School | 2 | 1901 Johns Lake Road | Clermont | 34711 | 0 | 409 | 8,180 | |

## County Shelter Information

| LAKE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Lost Lake Elementary School | 3 | 1901 Johns Lake Road | Clermont | 34711 | 0 | 287 | 5,740 | |
| Lost Lake Elementary School | 4 | 1901 Johns Lake Road | Clermont | 34711 | 120 | 0 | 0 | |
| Lost Lake Elementary School | 5 | 1901 Johns Lake Road | Clermont | 34711 | 195 | 0 | 0 | |
| Lost Lake Elementary School | 6 | 1901 Johns Lake Road | Clermont | 34711 | 209 | 0 | 0 | |
| Mascotte Education Center | 3 | 232 East Myers Boulevard | Mascotte | 34753 | 52 | 0 | 0 | |
| Mascotte Education Center | 5 | 232 East Myers Boulevard | Mascotte | 34753 | 17 | 0 | 0 | |
| Mascotte Education Center | 6 | 232 East Myers Boulevard | Mascotte | 34753 | 39 | 0 | 0 | |
| Mascotte Education Center | 7 | 232 East Myers Boulevard | Mascotte | 34753 | 24 | 0 | 0 | |
| Mascotte Elementary School | 1 | 513 Albrook Street | Mascotte | 34753 | 287 | 0 | 0 | |
| Mascotte Elementary School | 2 | 513 Albrook Street | Mascotte | 34753 | 108 | 0 | 0 | |
| Mascotte Elementary School | 7 | 513 Albrook Street | Mascotte | 34753 | 46 | 0 | 0 | |
| Mascotte Elementary School | 98 | 513 Albrook Street | Mascotte | 34753 | 25 | 0 | 0 | |
| Mascotte Elementary School | 99 | 513 Albrook Street | Mascotte | 34753 | 150 | 0 | 0 | |
| Minneola Elementary School | 1 | 300 Pearl Street | Clermont | 34711 | 86 | 0 | 0 | |
| Minneola Elementary School | 2 | 300 Pearl Street | Clermont | 34711 | 44 | 0 | 0 | |
| Minneola Elementary School | 3 | 300 Pearl Street | Clermont | 34711 | 98 | 0 | 0 | |
| Minneola Elementary School | 4 | 300 Pearl Street | Clermont | 34711 | 78 | 0 | 0 | |
| Minneola Elementary School | 6 | 300 Pearl Street | Clermont | 34711 | 53 | 0 | 0 | |
| Minneola Elementary School | 7 | 300 Pearl Street | Clermont | 34711 | 40 | 0 | 0 | |
| Minneola Elementary School | 8 | 300 Pearl Street | Clermont | 34711 | 82 | 0 | 0 | |
| Minneola Elementary School | 99 | 300 Pearl Street | Clermont | 34711 | 214 | 0 | 0 | |
| Mount Dora High School | 8 | 700 North Highland Avenue | Mount Dora | 32757 | 50 | 0 | 0 | |
| Mount Dora High School | 5 | 700 North Highland Avenue | Mount Dora | 32757 | | 361 | 7,220 | S |
| Mount Dora High School | 24 | 700 North Highland Avenue | Mount Dora | 32757 | 124 | 0 | 0 | |
| Mount Dora High School | 25 | 700 North Highland Avenue | Mount Dora | 32757 | 70 | 0 | 0 | |
| Mount Dora High School | 99 | 700 North Highland Avenue | Mount Dora | 32757 | 12 | 0 | 0 | |
| Mount Dora Middle School | 1 | 1250 North Grant Avenue | Mount Dora | 32757 | 8 | 0 | 0 | |
| Mount Dora Middle School | 2 | 1250 North Grant Avenue | Mount Dora | 32757 | 77 | 0 | 0 | |
| Mount Dora Middle School | 3 | 1250 North Grant Avenue | Mount Dora | 32757 | 45 | 0 | 0 | |
| Mount Dora Middle School | 4 | 1250 North Grant Avenue | Mount Dora | 32757 | 135 | 0 | 0 | |
| Mount Dora Middle School | 5 | 1250 North Grant Avenue | Mount Dora | 32757 | 37 | 0 | 0 | |
| Mount Dora Middle School | 7 | 1250 North Grant Avenue | Mount Dora | 32757 | 77 | 0 | 0 | |
| Mount Dora Middle School | 8 | 1250 North Grant Avenue | Mount Dora | 32757 | 238 | 0 | 0 | |
| Mount Dora Middle School | 11 | 1250 North Grant Avenue | Mount Dora | 32757 | 61 | 0 | 0 | |
| Mount Dora Middle School | 98 | 1250 North Grant Avenue | Mount Dora | 32757 | 12 | 0 | 0 | |
| Mount Dora Middle School | 99 | 1250 North Grant Avenue | Mount Dora | 32757 | 118 | 0 | 0 | |

## County Shelter Information

| LAKE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| North Lake Education Center | 1 | 42630 Highway 19 | Altoona | 32702 | 76 | 0 | 0 | |
| North Lake Education Center | 99 | 42630 Highway 19 | Altoona | 32702 | 75 | 0 | 0 | |
| Oak Park Middle School | 1 | 2101 South Street | Leesburg | 34748 | 319 | 0 | 0 | |
| Oak Park Middle School | 2 | 2101 South Street | Leesburg | 34748 | 108 | 0 | 0 | |
| Oak Park Middle School | 4 | 2101 South Street | Leesburg | 34748 | 172 | 0 | 0 | |
| Oak Park Middle School | 5 | 2101 South Street | Leesburg | 34748 | 33 | 0 | 0 | |
| Oak Park Middle School | 6 | 2101 South Street | Leesburg | 34748 | 198 | 0 | 0 | |
| Oak Park Middle School | 99 | 2101 South Street | Leesburg | 34748 | 70 | 0 | 0 | |
| Pine Ridge Elementary | 1 | 10245 County Road 561 | Clermont | 34711 | | 175 | 3,500 | |
| Pine Ridge Elementary | 3 | 10245 County Road 561 | Clermont | 34711 | | 267 | 5,340 | |
| Pine Ridge Elementary | 4 | 10245 County Road 561 | Clermont | 34711 | | 222 | 4,440 | |
| Pine Ridge Elementary | 6 | 10245 County Road 561 | Clermont | 34711 | | 232 | 4,640 | |
| Rimes Elementary School | 1 | 3101 Schoolview Street | Leesburg | 34748 | 6 | 0 | 0 | |
| Rimes Elementary School | 2 | 3101 Schoolview Street | Leesburg | 34748 | 49 | 0 | 0 | |
| Rimes Elementary School | 3 | 3101 Schoolview Street | Leesburg | 34748 | 55 | 0 | 0 | |
| Rimes Elementary School | 4 | 3101 Schoolview Street | Leesburg | 34748 | 52 | 0 | 0 | |
| Rimes Elementary School | 5 | 3101 Schoolview Street | Leesburg | 34748 | 74 | 0 | 0 | |
| Rimes Elementary School | 6 | 3101 Schoolview Street | Leesburg | 34748 | 58 | 0 | 0 | |
| Rimes Elementary School | 7 | 3101 Schoolview Street | Leesburg | 34748 | 32 | 0 | 0 | |
| Rimes Elementary School | 9 | 3101 Schoolview Street | Leesburg | 34748 | 52 | 0 | 0 | |
| Rimes Elementary School | 98 | 3101 Schoolview Street | Leesburg | 34748 | 69 | 0 | 0 | |
| Rimes Elementary School | 99 | 3101 Schoolview Street | Leesburg | 34748 | 62 | 0 | 0 | |
| Round Lake Elementary School | 1 | 31333 Round Lake Road | Mt. Dora | 32757 | 0 | 183 | 3,660 | |
| Round Lake Elementary School | 2 | 31333 Round Lake Road | Mt. Dora | 32757 | 364 | 0 | 0 | |
| Round Lake Elementary School | 3 | 31333 Round Lake Road | Mt. Dora | 32757 | 0 | 282 | 5,640 | |
| Round Lake Elementary School | 4 | 31333 Round Lake Road | Mt. Dora | 32757 | 0 | 222 | 4,440 | |
| Round Lake Elementary School | 5 | 31333 Round Lake Road | Mt. Dora | 32757 | 276 | 0 | 0 | |
| Round Lake Elementary School | 6 | 31333 Round Lake Road | Mt. Dora | 32757 | 0 | 243 | 4,860 | |
| Round Lake Elementary School | 99 | 31333 Round Lake Road | Mt. Dora | 32757 | 31 | 0 | 0 | |
| Seminole Springs Elementary School | 1 | 26200 West Huff Road | Eustis | 32726 | 0 | 140 | 2,800 | S |
| Seminole Springs Elementary School | 2 | 26200 West Huff Road | Eustis | 32726 | 122 | 0 | 0 | |
| Seminole Springs Elementary School | 3 | 26200 West Huff Road | Eustis | 32726 | 126 | 0 | 0 | |
| Seminole Springs Elementary School | 4 | 26200 West Huff Road | Eustis | 32726 | 0 | 134 | 2,680 | S |
| Seminole Springs Elementary School | 5 | 26200 West Huff Road | Eustis | 32726 | 140 | 0 | 0 | |
| Seminole Springs Elementary School | 6 | 26200 West Huff Road | Eustis | 32726 | 111 | 0 | 0 | |
| Seminole Springs Elementary School | 99 | 26200 West Huff Road | Eustis | 32726 | 61 | 0 | 0 | |

## County Shelter Information

| LAKE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^3$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Skeen Elementary School | 1 | 401 South Moss Street | Leesburg | 34748 | 76 | 0 | 0 | |
| Skeen Elementary School | 2 | 401 South Moss Street | Leesburg | 34748 | 39 | 0 | 0 | |
| Skeen Elementary School | 3 | 401 South Moss Street | Leesburg | 34748 | 41 | 0 | 0 | |
| Skeen Elementary School | 4 | 401 South Moss Street | Leesburg | 34748 | 33 | 0 | 0 | |
| Skeen Elementary School | 5 | 401 South Moss Street | Leesburg | 34748 | 41 | 0 | 0 | |
| Skeen Elementary School | 6 | 401 South Moss Street | Leesburg | 34748 | 32 | 0 | 0 | |
| Skeen Elementary School | 7 | 401 South Moss Street | Leesburg | 34748 | 40 | 0 | 0 | |
| Skeen Elementary School | 8 | 401 South Moss Street | Leesburg | 34748 | 40 | 0 | 0 | |
| Skeen Elementary School | 9 | 401 South Moss Street | Leesburg | 34748 | 66 | 0 | 0 | |
| Skeen Elementary School | 12 | 401 South Moss Street | Leesburg | 34748 | 54 | 0 | 0 | |
| Skeen Elementary School | 98 | 401 South Moss Street | Leesburg | 34748 | 25 | 0 | 0 | |
| Skeen Elementary School | 99 | 401 South Moss Street | Leesburg | 34748 | 170 | 0 | 0 | |
| South Lake High 9th Grade Center | 1 | 301 East Avenue | Clermont | 34711 | 10 | 0 | 0 | |
| South Lake High 9th Grade Center | 2 | 301 East Avenue | Clermont | 34711 | 8 | 0 | 0 | |
| South Lake High 9th Grade Center | 3 | 301 East Avenue | Clermont | 34711 | 65 | 0 | 0 | |
| South Lake High 9th Grade Center | 4 | 301 East Avenue | Clermont | 34711 | 29 | 0 | 0 | |
| South Lake High 9th Grade Center | 5 | 301 East Avenue | Clermont | 34711 | 51 | 0 | 0 | |
| South Lake High 9th Grade Center | 6 | 301 East Avenue | Clermont | 34711 | 58 | 0 | 0 | |
| South Lake High 9th Grade Center | 7 | 301 East Avenue | Clermont | 34711 | 55 | 0 | 0 | |
| South Lake High 9th Grade Center | 8 | 301 East Avenue | Clermont | 34711 | 38 | 0 | 0 | |
| South Lake High 9th Grade Center | 9 | 301 East Avenue | Clermont | 34711 | 97 | 0 | 0 | |
| South Lake High 9th Grade Center | 11 | 301 East Avenue | Clermont | 34711 | 95 | 0 | 0 | |
| South Lake High 9th Grade Center | 12 | 301 East Avenue | Clermont | 34711 | 50 | 0 | 0 | |
| South Lake High 9th Grade Center | 13 | 301 East Avenue | Clermont | 34711 | 55 | 0 | 0 | |
| South Lake High 9th Grade Center | 14 | 301 East Avenue | Clermont | 34711 | 224 | 0 | 0 | |
| South Lake High 9th Grade Center | 15 | 301 East Avenue | Clermont | 34711 | 22 | 0 | 0 | |
| South Lake High 9th Grade Center | 18 | 301 East Avenue | Clermont | 34711 | 38 | 0 | 0 | |
| South Lake High 9th Grade Center | 20 | 301 East Avenue | Clermont | 34711 | 90 | 0 | 0 | |
| South Lake High 9th Grade Center | 25 | 301 East Avenue | Clermont | 34711 | 89 | 0 | 0 | |
| South Lake High 9th Grade Center | 99 | 301 East Avenue | Clermont | 34711 | 56 | 0 | 0 | |
| South Lake Senior High School | 1 | 15600 Silver Lake Road | Groveland | 34736 | 0 | 406 | 8,120 | S |
| South Lake Senior High School | 2 | 15600 Silver Lake Road | Groveland | 34736 | 0 | 335 | 6,700 | S |
| South Lake Senior High School | 3 | 15600 Silver Lake Road | Groveland | 34736 | 0 | 418 | 8,360 | S |
| South Lake Senior High School | 4 | 15600 Silver Lake Road | Groveland | 34736 | 0 | 435 | 8,700 | S |
| South Lake Senior High School | 5 | 15600 Silver Lake Road | Groveland | 34736 | 0 | 160 | 3,200 | S |
| South Lake Senior High School | 6 | 15600 Silver Lake Road | Groveland | 34736 | 311 | 0 | 0 | |

## County Shelter Information

| LAKE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^3$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| South Lake Senior High School | 7 | 15600 Silver Lake Road | Groveland | 34736 | 108 | 0 | 0 | |
| South Lake Senior High School | 8 | 15600 Silver Lake Road | Groveland | 34736 | 105 | 0 | 0 | |
| South Lake Senior High School | 9 | 15600 Silver Lake Road | Groveland | 34736 | 110 | 0 | 0 | |
| South Lake Senior High School | 10 | 15600 Silver Lake Road | Groveland | 34736 | 96 | 0 | 0 | |
| South Lake Senior High School | 11 | 15600 Silver Lake Road | Groveland | 34736 | 28 | 0 | 0 | |
| South Lake Senior High School | 12 | 15600 Silver Lake Road | Groveland | 34736 | 90 | 0 | 0 | |
| South Lake Senior High School | 99 | 15600 Silver Lake Road | Groveland | 34736 | 62 | 0 | 0 | |
| South Lake Senior High School | ? | 15600 Silver Lake Road | Groveland | 34736 | | 983 | 19,660 | |
| Spring Creek Elementary School | 1 | 44440 Spring Creek Road | Paisley | 32767 | 0 | 178 | 3,560 | S |
| Spring Creek Elementary School | 2 | 44440 Spring Creek Road | Paisley | 32767 | 0 | 245 | 4,900 | S |
| Spring Creek Elementary School | 3 | 44440 Spring Creek Road | Paisley | 32767 | 175 | 0 | 0 | |
| Spring Creek Elementary School | 4 | 44440 Spring Creek Road | Paisley | 32767 | 85 | 0 | 0 | |
| Spring Creek Elementary School | 5 | 44440 Spring Creek Road | Paisley | 32767 | 151 | 0 | 0 | |
| Spring Creek Elementary School | 6 | 44440 Spring Creek Road | Paisley | 32767 | 121 | 0 | 0 | |
| Spring Creek Elementary School | 99 | 44440 Spring Creek Road | Paisley | 32767 | 42 | 0 | 0 | |
| Spring Creek Elementary School | 99 | 44440 Spring Creek Road | Paisley | 32767 | | | | |
| Tavares Elementary School | 1 | 720 East Clifford Street | Tavares | 32778 | 648 | 0 | 0 | |
| Tavares Elementary School | 2 | 720 East Clifford Street | Tavares | 32778 | 169 | 0 | 0 | |
| Tavares Elementary School | 4 | 720 East Clifford Street | Tavares | 32778 | 48 | 0 | 0 | |
| Tavares Elementary School | 5 | 720 East Clifford Street | Tavares | 32778 | 44 | 0 | 0 | |
| Tavares Elementary School | 99 | 720 East Clifford Street | Tavares | 32778 | 164 | 0 | 0 | |
| Tavares Senior High School | 1 | 603 New Hampshire Avenue | Tavares | 32778 | 260 | 0 | 0 | |
| Tavares Senior High School | 2 | 603 New Hampshire Avenue | Tavares | 32778 | 49 | 0 | 0 | |
| Tavares Senior High School | 4 | 603 New Hampshire Avenue | Tavares | 32778 | 60 | 0 | 0 | |
| Tavares Senior High School | 5 | 603 New Hampshire Avenue | Tavares | 32778 | 57 | 0 | 0 | |
| Tavares Senior High School | 7 | 603 New Hampshire Avenue | Tavares | 32778 | | 489 | 19,560 | |
| Tavares Senior High School | 8 | 603 New Hampshire Avenue | Tavares | 32778 | 47 | 0 | 0 | |
| Tavares Senior High School | 9 | 603 New Hampshire Avenue | Tavares | 32778 | 42 | 0 | 0 | |
| Tavares Senior High School | 15 | 603 New Hampshire Avenue | Tavares | 32778 | 31 | 0 | 0 | |
| Tavares Senior High School | 16 | 603 New Hampshire Avenue | Tavares | 32778 | 39 | 0 | 0 | |
| Tavares Senior High School | 17 | 603 New Hampshire Avenue | Tavares | 32778 | 54 | 0 | 0 | |
| Tavares Senior High School | 18 | 603 New Hampshire Avenue | Tavares | 32778 | 27 | 0 | 0 | |
| Tavares Senior High School | 19 | 603 New Hampshire Avenue | Tavares | 32778 | 31 | 0 | 0 | |
| Tavares Senior High School | 20 | 603 New Hampshire Avenue | Tavares | 32778 | 93 | 0 | 0 | |
| Tavares Senior High School | 22 | 603 New Hampshire Avenue | Tavares | 32778 | 122 | 0 | 0 | |
| Tavares Middle School | 1 | 13032 Lane Park Cutoff | Tavares | 32778 | 75 | 0 | 0 | |

## County Shelter Information

| LAKE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Tavares Middle School | 2 | 13032 Lane Park Cutoff | Tavares | 32778 | 149 | 0 | 0 | |
| Tavares Middle School | 3 | 13032 Lane Park Cutoff | Tavares | 32778 | 161 | 0 | 0 | |
| Tavares Middle School | 4 | 13032 Lane Park Cutoff | Tavares | 32778 | 141 | 0 | 0 | |
| Tavares Middle School | 6 | 13032 Lane Park Cutoff | Tavares | 32778 | 90 | 0 | 0 | |
| Tavares Middle School | 7 | 13032 Lane Park Cutoff | Tavares | 32778 | 61 | 0 | 0 | |
| Tavares Middle School | 8 | 13032 Lane Park Cutoff | Tavares | 32778 | 201 | 0 | 0 | |
| Tavares Middle School | 9 | 13032 Lane Park Cutoff | Tavares | 32778 | 68 | 0 | 0 | |
| Tavares Middle School | 99 | 13032 Lane Park Cutoff | Tavares | 32778 | 31 | 0 | 0 | |
| Treadway Elementary School | 1 | 10619 Treadway School Road | Leesburg | 34748 | 40 | 0 | 0 | |
| Treadway Elementary School | 2 | 10619 Treadway School Road | Leesburg | 34748 | 199 | 0 | 0 | |
| Treadway Elementary School | 7 | 10619 Treadway School Road | Leesburg | 34748 | 70 | 0 | 0 | |
| Treadway Elementary School | 8 | 10619 Treadway School Road | Leesburg | 34748 | 66 | 0 | 0 | |
| Treadway Elementary School | 10 | 10619 Treadway School Road | Leesburg | 34748 | 121 | 0 | 0 | |
| Treadway Elementary School | 12 | 10619 Treadway School Road | Leesburg | 34748 | 154 | 0 | 0 | |
| Treadway Elementary School | 99 | 10619 Treadway School Road | Leesburg | 34748 | 285 | 0 | 0 | |
| Triangle Elementary School | 1 | 1707 Eudora Road | Mount Dora | 32757 | 350 | 0 | 0 | |
| Triangle Elementary School | 3 | 1707 Eudora Road | Mount Dora | 32757 | 115 | 0 | 0 | |
| Triangle Elementary School | 4 | 1707 Eudora Road | Mount Dora | 32757 | 184 | 0 | 0 | |
| Triangle Elementary School | 6 | 1707 Eudora Road | Mount Dora | 32757 | 28 | 0 | 0 | |
| Triangle Elementary School | 7 | 1707 Eudora Road | Mount Dora | 32757 | 53 | 0 | 0 | |
| Triangle Elementary School | 98 | 1707 Eudora Road | Mount Dora | 32757 | 41 | 0 | 0 | |
| Triangle Elementary School | 99 | 1707 Eudora Road | Mount Dora | 32757 | 206 | 0 | 0 | |
| Umatilla 9th Grade Center | 3 | 60 Smith Street | Umatilla | 32784 | 65 | 0 | 0 | |
| Umatilla 9th Grade Center | 4 | 60 Smith Street | Umatilla | 32784 | 90 | 0 | 0 | |
| Umatilla 9th Grade Center | 5 | 60 Smith Street | Umatilla | 32784 | 28 | 0 | 0 | |
| Umatilla 9th Grade Center | 8 | 60 Smith Street | Umatilla | 32784 | 154 | 0 | 0 | |
| Umatilla 9th Grade Center | 98 | 60 Smith Street | Umatilla | 32784 | 12 | 0 | 0 | |
| Umatilla 9th Grade Center | 99 | 60 Smith Street | Umatilla | 32784 | 22 | 0 | 0 | |
| Umatilla Elementary School | 1 | 60 Smith Street | Umatilla | 32784 | 364 | 183 | 3,660 | |
| Umatilla Elementary School | 3 | 60 Smith Street | Umatilla | 32784 | 0 | 364 | 7,280 | |
| Umatilla Elementary School | 4 | 60 Smith Street | Umatilla | 32784 | 0 | 222 | 4,440 | |
| Umatilla Elementary School | 5 | 60 Smith Street | Umatilla | 32784 | 310 | | | |
| Umatilla Elementary School | 6 | 60 Smith Street | Umatilla | 32784 | 0 | 243 | 4,860 | |
| Umatilla High School | 1 | 320 North Trowell Avenue | Umatilla | 32784 | 20 | 0 | 0 | |
| Umatilla High School | 3 | 320 North Trowell Avenue | Umatilla | 32784 | 71 | 0 | 0 | |
| Umatilla High School | 4 | 320 North Trowell Avenue | Umatilla | 32784 | 106 | 0 | 0 | |

## County Shelter Information

| LAKE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Umatilla High School | 5 | 320 North Trowell Avenue | Umatilla | 32784 | 50 | 0 | 0 | |
| Umatilla High School | 6 | 320 North Trowell Avenue | Umatilla | 32784 | 118 | 0 | 0 | |
| Umatilla High School | 8 | 320 North Trowell Avenue | Umatilla | 32784 | 57 | 0 | 0 | |
| Umatilla High School | 9 | 320 North Trowell Avenue | Umatilla | 32784 | 14 | 0 | 0 | |
| Umatilla High School | 11 | 320 North Trowell Avenue | Umatilla | 32784 | 63 | 0 | 0 | |
| Umatilla High School | 13 | 320 North Trowell Avenue | Umatilla | 32784 | 38 | 0 | 0 | |
| Umatilla High School | 15 | 320 North Trowell Avenue | Umatilla | 32784 | 48 | 0 | 0 | |
| Umatilla High School | 99 | 320 North Trowell Avenue | Umatilla | 32784 | 45 | 0 | 0 | |
| Umatilla Middle School | 1 | 305 East Lake Street | Umatilla | 32784 | 451 | 0 | 0 | |
| Umatilla Middle School | 2 | 305 East Lake Street | Umatilla | 32784 | 54 | 0 | 0 | |
| Umatilla Middle School | 4 | 305 East Lake Street | Umatilla | 32784 | 52 | 0 | 0 | |
| Umatilla Middle School | 5 | 305 East Lake Street | Umatilla | 32784 | 200 | 0 | 0 | |
| Umatilla Middle School | 7 | 305 East Lake Street | Umatilla | 32784 | 177 | 0 | 0 | |
| Umatilla Middle School | 99 | 305 East Lake Street | Umatilla | 32784 | 25 | 0 | 0 | |
| Villages Elementary School of Lady Lake | 1 | 695 Rolling Acres Road | Lady Lake | 32159 | 0 | 236 | 4,720 | |
| Villages Elementary School of Lady Lake | 2 | 695 Rolling Acres Road | Lady Lake | 32159 | 0 | 359 | 7,180 | |
| Villages Elementary School of Lady Lake | 3 | 695 Rolling Acres Road | Lady Lake | 32159 | 0 | 284 | 5,680 | |
| Villages Elementary School of Lady Lake | 4 | 695 Rolling Acres Road | Lady Lake | 32159 | 173 | 0 | 0 | |
| Villages Elementary School of Lady Lake | 5 | 695 Rolling Acres Road | Lady Lake | 32159 | 196 | 0 | 0 | |
| Villages Elementary School of Lady Lake | 6 | 695 Rolling Acres Road | Lady Lake | 32159 | 246 | 0 | 0 | |
| Windy Hill Middle School | 1 | 3575 Hancock Road | Clermont | 34711 | 59 | 0 | 0 | |
| Windy Hill Middle School | 2 | 3575 Hancock Road | Clermont | 34711 | 18 | 0 | 0 | |
| Windy Hill Middle School | 3 | 3575 Hancock Road | Clermont | 34711 | 44 | 0 | 0 | |
| Windy Hill Middle School | 4 | 3575 Hancock Road | Clermont | 34711 | 156 | 0 | 0 | |
| Windy Hill Middle School | 5 | 3575 Hancock Road | Clermont | 34711 | 282 | 0 | 0 | |
| Windy Hill Middle School | 6 | 3575 Hancock Road | Clermont | 34711 | 78 | 0 | 0 | |
| Windy Hill Middle School | 7 | 3575 Hancock Road | Clermont | 34711 | 82 | 0 | 0 | |
| Windy Hill Middle School | 8 | 3575 Hancock Road | Clermont | 34711 | 190 | 0 | 0 | |
| Windy Hill Middle School | 99 | 3575 Hancock Road | Clermont | 34711 | 78 | 0 | 0 | |
| | | | | | | | | |
| | | | TOTALS FOR LAKE COUNTY | | 34,105 | 10,682 | 223,420 | 0 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 10,682 | 16,331 | -5,649 | 223,420 | 326,620 | -103,200 | DEFICIT |

## County Shelter Information

| LEE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Alva Elementary School | 20 | 21290 Park Street | Alva | 33920 | 0 | 283 | 5,660 | 0 |
| Bayshore Elementary School | | 17050 Williams Road | North Ft. Myers | 33917 | 0 | 0 | 0 | 300 |
| Caloosa Middle | | | | | | 100 | 4,000 | |
| Colonial Elementary School | | 3800 Schoolhouse Rd East | Ft. Myers | 33916 | 0 | 0 | 0 | 1,545 |
| Diplomat Elementary Shcool | | 1115 NE 16th Terrace | Cape Coral | 33990 | 0 | 0 | 0 | 1,600 |
| Diplomat Middle School | 1 | 1039 NE 16th Terrace | Cape Coral | 33990 | 0 | 1,000 | 20,000 | 0 |
| Dunbar High | | 3800 E. Edison Avenue | Ft. Myers | 33903 | 800 | 800 | 16,000 | 800 |
| Edison Learning Center | | | | | | 150 | 6,000 | |
| English Elementary | | | | | | 800 | 16,000 | |
| Estro High School | | 21900 River Ranch Road | Estero | 33928 | 764 | 0 | 0 | 500 |
| Florida Gulf Coast Univ | | 12181 FGCU Lake Pkway E | Bonita Bch | | 1,825 | 1,825 | 36,500 | 1,825 |
| Heights Elementary School | | 15200 Alexandria COurt | Ft. Myers | 33908 | 0 | 0 | 0 | 1,000 |
| J. Colon English Elementary | | 120 Pine Island Road | North Ft. Myers | 33903 | 0 | 0 | 0 | 800 |
| Lee County Civic Center | | 11831 Bayshore Road | North Ft. Myers | 33917 | 5,000 | 0 | 0 | 5,000 |
| Lee Middle School | | 1333 Marsh Avenue | Ft. Myers | 33905 | 1,600 | 0 | 0 | 1,600 |
| Lehigh Senior High School | 1,2,4 | 801 Gunnery Road North | Lehigh Acres | 33971 | 0 | 380 | 7,600 | 0 |
| Lehigh Middle School | | 104 Arthur Avenue | Lehigh Acres | 33936 | 0 | 710 | 14,200 | 0 |
| Littleton Elementary School | | 700 Hutto Road | North Ft. Myers | 33903 | 0 | 0 | 0 | 1,425 |
| Mariner High School | | 701 Chiquita Boulevard | Cape Coral | 33909 | 0 | 0 | 0 | 345 |
| School | | 525 Charwood Avenue | Lehigh | 33936 | 0 | 1,000 | 20,000 | 0 |
| Arts | | | | | | 1,000 | 20,000 | |
| Riverdale High School | | 2600 Buckingham Road | Ft. Myers | 33905 | 1,150 | 0 | 0 | 1,150 |
| Royal Palm Exceptional Center | | 1817 High Street | Ft. Myers | 33916 | 0 | 470 | 9,400 | 470 |
| School of the Arts | | 1856 Arts Way | N. Ft. Myers | 33907 | 2,500 | 2,500 | 50,000 | 2,500 |
| Skyline Elementary School | | 620 SW 19th Street | Cape Coral | 33991 | 0 | 0 | 0 | 1,695 |
| Sunshine Elementary | | | | | | 200 | 8,000 | |
| Tanglewood Elementary School | | 1620 Manchester Blvd | Ft. Myers | 33919 | 0 | 0 | 0 | 800 |
| TECO | 1 | 11000 Everblades Parkway | Estero | 33928 | 6,500 | 6,500 | 130,000 | 0 |
| Three Oaks Elementary School | | 19600 Three Oaks Parkway | San Carlos Park | 33912 | 0 | 0 | 0 | 1,715 |
| Three Oaks Middle School | | 18500 Three Oaks Parkway | San Carlos Park | 33912 | 0 | 0 | 0 | 1,440 |
| Tice Elementary School | | 4524 Tice Street | Ft. Myers | 33905 | 0 | 0 | 0 | 100 |
| 1st Presbyterian Church, B.S. | | | | | | 50 | 2,000 | |
| | | | TOTALS FOR LEE COUNTY | | 20,139 | 17,768 | 365,360 | 26,810 |

## County Shelter Information

| LEE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus / Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 17,768 | 105,134 | -87,366 | 365,360 | 2,102,680 | -1,737,320 | DEFICIT |

## County Shelter Information

| LEON | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Apalachee Elementary School | | 650 Trojan Trail | Tallahassee | 32311 | 400 | 0 | 0 | 400 |
| Astoria Park Elementary School | | 2465 Atlas Road | Tallahassee | 32303 | 400 | 0 | 0 | 400 |
| Belle Vue Middle School | | 2214 Belle Vue Way | Tallahassee | 32303 | 300 | 0 | 0 | 300 |
| Bethel AME Church | | 501 West Orange Avenue | Tallahassee | 32312 | 200 | 0 | 0 | 200 |
| Bond Elementary School | | 2204 Saxon Street | Tallahassee | 32310 | 400 | 0 | 0 | 400 |
| Bucklake Elementary School | | 1600 Pedrick Road | Tallahassee | 32311 | 350 | 0 | 0 | 400 |
| Canopy Oaks Elementary School | | 3250 Point View Drive | Tallahassee | 32303 | 400 | 0 | 0 | 400 |
| Carolyn Brevard Elementary School | | 2006 Jackson Bluff Road | Tallahassee | 32304 | 400 | 0 | 0 | 400 |
| Chaires Elementary School | | 4774 Chaires Crossroads | Tallahassee | 32311 | 350 | 0 | 0 | 400 |
| Cobb Middle School | | 915 Hillcrest Avenue | Tallahassee | 32308 | 400 | 0 | 0 | 400 |
| Dearlake Middle School | | 9902 Deerlake Drive West | Tallahassee | 32312 | 400 | 0 | 0 | 400 |
| Desoto Trail Emementary School | | 2930 Velda Dairy Road | Tallahassee | 32308 | 300 | 0 | 0 | 300 |
| Everheart School | | 2750 Mission Road | Tallahassee | 32303 | 100 | 0 | 0 | 100 |
| Fairview Middle School | | 3415 Zillah Street | Tallahassee | 32311 | 250 | 0 | 0 | 400 |
| Faith Presbyterian Church | | 2200 North Meridian Road | Tallahassee | 32303 | 120 | 0 | 0 | 120 |
| First Baptist Church | | SR 363 | Woodville | 32362 | 70 | 0 | 0 | 100 |
| First Church of the Nazarene | | 1983 Mahan Drive | Tallahassee | 32308 | 100 | 0 | 0 | 100 |
| Florida High | | 3000 School House Rd | Tallahassee | 32304 | 350 | | | |
| Forest Heights Baptist Church | | 1200 West Tharpe Street | Tallahassee | 32303 | 125 | 0 | 0 | 125 |
| Fort Braden Elementary School | | 15100 Blountstown Hwy | Tallahassee | 32310 | 250 | 0 | 0 | 250 |
| Gilchrist Elementary School | | 695 Timberlane Road | Tallahassee | 32312 | 225 | 0 | 0 | 225 |
| Godby High School | | 1717 West tharpe Street | Tallahassee | 32303 | 400 | 0 | 0 | 400 |
| Griffin Middle School | | 800 Alabama Street | Tallahassee | 32304 | 400 | 0 | 0 | 400 |
| Hartsfield Elementary School | | 1414 Chowkeebin Nene | Tallahassee | 32301 | 400 | 0 | 0 | 400 |
| Kate Sullivan Elementary School | | 927 Miccousukee Road | Tallahassee | 32308 | 350 | 0 | 0 | 350 |
| Killearn Lakes Elementary School | | 8037 Deerlake Drive East | Tallahassee | 32312 | 400 | 0 | 0 | 400 |
| Lakeview Baptist Church | | 222 West 7th Avenue | Tallahassee | 32303 | 150 | 0 | 0 | 150 |
| Lawton Chiles High School | | 7200 Thomasville Road | Tallahassee | 32312 | 400 | 821 | 16,420 | 400 |
| Leon High School | | 550 Tennessee Street | Tallahassee | 32308 | 400 | 0 | 0 | 400 |
| Lincoln High School | | 3838 Trojan Trail | Tallahassee | 32311 | 400 | 0 | 0 | 400 |
| Lively Technical Center | | 500 N. Appleyard Drive | Tallahassee | 32312 | 500 | 0 | 0 | 500 |
| Mormon Church, Stadium Dr. | | 312 Stadium Drive | Tallahassee | 32304 | 165 | 0 | 0 | 165 |
| Mormon Church, Thomasville Rd. | | 3717 Thomasville Road | Tallahassee | 32308 | 225 | 0 | 0 | 225 |
| Nims Middle School | | 723 W. Orange Avenue | Tallahassee | 32301 | 400 | 0 | 0 | 400 |
| Oak Ridge Elem | | 4350 Shelfer Road | Tallahassee | 32310 | 300 | 0 | 0 | 300 |
| Pineview Elementary School | | 2230 Lake Bradford Road | Tallahassee | 32310 | 400 | 0 | 0 | 400 |

## County Shelter Information

| LEON | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Raa Middle School | | 410 West Tharpe Street | Tallahassee | 32303 | 400 | 0 | 0 | 400 |
| Rickards High School | | 3013 Jim Lee Road | Tallahassee | 32301 | 400 | 0 | 0 | 400 |
| Riley Elementary School | | 1400 Indiana Street | Tallahassee | 32304 | 350 | 0 | 0 | 400 |
| Ruediger Elementary School | | 526 West 10th Avenue | Tallahassee | 32303 | 400 | 0 | 0 | 400 |
| Sabal Palm Elementary School | | 2813 Ridgeway Street | Tallahassee | 32310 | 350 | 0 | 0 | 400 |
| Sealey Elementary School | | 2815 Allen Road | Tallahassee | 32312 | 250 | 0 | 0 | 250 |
| Senior Citizens Center | | 1400 North Monroe Street | Tallahassee | 32303 | 300 | 0 | 0 | 300 |
| Springwood Elementary School | | 3801 Fred George Road | Tallahassee | 32303 | 400 | 0 | 0 | 400 |
| St John's Episcopal Church | | 211 N Monroe Street | Tallahassee | 32301 | 100 | 0 | 0 | 100 |
| Swift Creek Middle School | | 2100 Pedrick Road | Tallahassee | 32311 | 400 | 0 | 0 | 400 |
| W. T. Moore Elementary School | | 2700 Dempsey Mayo Road | Tallahassee | 32308 | 300 | 0 | 0 | 300 |
| Wesson Elementary School | | 2813 S. Meridian Street | Tallahassee | 32301 | 400 | 0 | 0 | 400 |
| Woodville Elementary School | | SR 363 | Woodville | 32362 | 100 | 0 | 0 | 100 |
| Hawks Rise ES | | 205 Meadow Ridge Dr | Tallahassee | 32301 | 400 | 0 | 0 | |
| TOTALS FOR LEON COUNTY | | | | | 15,730 | 821 | 16,420 | 15,380 |

| Year 2004 | Shelter Capacity in People | Shelter Demand in People | Surplus / Deficit in People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 821 | 12,564 | -11,743 | 16,420 | 251,280 | -234,860 | DEFICIT |

## County Shelter Information

| LEVY | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Bronson Elementary School | | State Road 24 | Bronson | 32621 | 260 | 0 | 0 | 2,720 |
| Bronson High School | 6 | 1 Eagle Street | Bronson | 32621 | 622 | 622 | 12,440 | |
| Bronson High School | 7 | 1 Eagle Street | Bronson | 32621 | 580 | 580 | 11,600 | |
| Bullock ES | 5 | 130 Southwest 3rd. Strret | Williston | 32696 | 525 | 525 | 10,500 | |
| Bronson High School | | 1 Eagle Street | Bronson | 32621 | 265 | 0 | 0 | 1,623 |
| Cedar Key School | | 951 Whiddon Avenue | Cedar Key | 32625 | 38 | 0 | 0 | 0 |
| Chiefland Elementary School | | 1205 NW 4th Avenue | Chiefland | 32626 | 226 | 240 | 4,800 | 1,687 |
| Chiefland Middle School | | 118 NW 4th Drive | Chiefland | 32626 | 276 | 0 | 0 | 944 |
| Chiefland High School | | 808 N. Main Street | Chiefland | 32626 | 411 | 0 | 0 | 2,201 |
| Joyce Bullock Elementary School | | 130 Southwest 3rd. Strret | Williston | 32696 | 177 | 0 | 0 | 1,853 |
| Williston Elementary School | | 801 South Main Street | Williston | 32696 | 307 | 0 | 0 | 2,271 |
| Williston High School | 6 | 427 West Noble Avenue | Williston | 32696 | 488 | 488 | 9,760 | |
| Williston High School | | 427 West Noble Avenue | Williston | 32696 | 471 | 0 | 0 | 3,738 |
| Williston Middle School | | 20550 NE 3rd Avenue | Williston | 32696 | 122 | 0 | 0 | 1,965 |
| Yankeetown School | | 4500 Highway 40 West | Yankeetown | 34498 | 229 | 0 | 0 | 0 |
| | | | | TOTALS FOR LEVY COUNTY | 4,997 | 2,455 | 49,100 | 19,002 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 2,455 | 5,186 | -2,731 | 49,100 | 103,720 | -54,620 | DEFICIT |

## County Shelter Information

| LIBERTY | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Bristol Pentecostal Holiness Church | | Solomon Street | Bristol | 32321 | 50 | 0 | 0 | 50 |
| Camp Woodmen | | SR 12 | Hosford | 32324 | 100 | 0 | 0 | 100 |
| First Baptist Church | | SR 20 | Bristol | 32321 | 100 | 0 | 0 | 100 |
| Hosford Elementary School | | SR 65 South | Hosford | 32334 | 135 | 0 | 0 | 270 |
| Liberty County High School | | SR 20 | Bristol | 32321 | 325 | 0 | 0 | 0 |
| W R Toler Elementary School | 2 | SR 12 | Bristol | 32321 | 350 | 600 | 12,000 | 400 |
| | | | | TOTALS FOR LIBERTY COUNTY | 1,060 | 600 | 12,000 | 920 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 600 | 1154 | -554 | 12,000 | 23080 | -11,080 | DEFICIT |

## County Shelter Information

| MADISON | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Greenville Primary School | | 109 S. Grand St | Greenville | 32331 | 100 | 0 | 0 | 370 |
| Greenville Elementary School | | SR 150 S | Greenville | 32331 | 175 | 0 | 0 | |
| Lee Elementary School | | 731 US Hwy 90 E | Lee | 32059 | 225 | 0 | 0 | |
| Madison County High School | | US Highway 90 East | Madison | 32340 | 350 | 0 | 0 | 350 |
| Madison Central School | | 2093 US Hwy 90 W | Madison | 32340 | 275 | 0 | 0 | |
| Madison Central School | 1 | Hwy 90 | Madison | 32340 | | 518 | 10,360 | |
| Madison Central School | 2 | Hwy 90 | Madison | 32340 | | 721 | 14,420 | |
| Madison Central School | 3 | Hwy 90 | Madison | 32340 | | 490 | 9,800 | |
| Madison Central School | 4 | Hwy 90 | Madison | 32340 | | 265 | 5,300 | |
| Madison Central School | 5 | Hwy 90 | Madison | 32340 | | 833 | 16,660 | |
| Madison Central School | 6 | Hwy 90 | Madison | 32340 | | 768 | 15,360 | |
| Madison Central School | 7 | Hwy 90 | Madison | 32340 | | 728 | 14,560 | |
| Madison Central School | 8 | Hwy 90 | Madison | 32340 | | 796 | 15,920 | |
| Madison Central School | 9 | Hwy 90 | Madison | 32340 | | 659 | 13,180 | |
| Madison Central School | 10 | Hwy 90 | Madison | 32340 | | 802 | 16,040 | |
| Madison Central School | 11 | Hwy 90 | Madison | 32340 | | 518 | 10,360 | |
| Madison county Memorial Hospital | | 201 E Marion St | Madison | 32340 | 30 | 0 | 0 | |
| Mormon Church, Madison | | US Highway 90 East | Madison | 32340 | 70 | 0 | 0 | 70 |
| New Testament Christian Center | | us Highway 90 East | Madison | 32340 | 100 | 0 | 0 | 100 |
| Pinetta Jr. High School | | 135 NE Empress Tree Drive | Pinetta | 32350 | 190 | 0 | 0 | 190 |
| | | | | | | 0 | 0 | |
| Town of Lee-Publ. Saf/Emerg Shel | Fire Stn | | | | | 300 | 6,000 | |
| TOTALS FOR MADISON COUNTY | | | | | 1,515 | 7,398 | 147,960 | 1,060 |

| Year 2004 | Shelter Capcity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 7,398 | 1,660 | 5,738 | 147,960 | 33,200 | 114,760 | SURPLUS |

## County Shelter Information

| MANATEE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Bashaw Elementary School | 2 | 3515 Morgan Johnson Rd | Bradenton | 34208 | | 500 | 10,013 | |
| Bashaw Elementary School | 1 | 3515 Morgan Johnson Rd | Bradenton | 34208 | 1,925 | 90 | 1,793 | |
| Bashaw Elementary School | 3 | 3515 Morgan Johnson Rd | Bradenton | 34208 | | 502 | 10,040 | |
| Bashaw Elementary School | 4 | 3515 Morgan Johnson Rd | Bradenton | 34208 | | 460 | 9,200 | |
| Bashaw Elementary School | 5 | 3515 Morgan Johnson Rd | Bradenton | 34208 | | 465 | 9,300 | |
| Braden River Elementary School | 1 | 6215 River Club Boulevard | Bradenton | 34202 | | 90 | 1,793 | |
| Braden River Elementary School | 2 | 6215 River Club Boulevard | Bradenton | 34202 | 1,860 | 66 | 1,693 | 502 |
| Braden River Elementary School | 3 | 6215 River Club Boulevard | Bradenton | 34202 | | 502 | 10,042 | |
| Braden River Elementary School | 4 | 6215 River Club Boulevard | Bradenton | 34202 | | 460 | 9,194 | |
| Braden River Elementary School | 5 | 6215 River Club Boulevard | Bradenton | 34202 | | 502 | 9,377 | |
| Braden River Middle School | 5 | 6215 River Club Boulevard | Bradenton | 34202 | 1,378 | 183 | 3,652 | 1,195 |
| Braden River Middle School | 6 | 6215 River Club Boulevard | Bradenton | 34202 | | 354 | 7,084 | |
| Carlos Haile Middle School | 3A | 9501 State Road 64th East | Bradenton | 34212 | 1,632 | 297 | 5,940 | |
| Carlos Haile Middle School | 4 | 9501 State Road 64th East | Bradenton | 34212 | | 747 | 1,490 | |
| Carlos Haile Middle School | 5 | 9501 State Road 64th East | Bradenton | 34212 | | 588 | 11,751 | |
| Freedom Elementary | 1 | | | | 1711 | 1,711 | 34,020 | |
| Kinnan Elementary School | 3 | 3415 Tallevast Road | Sarasota | 34243 | 675 | 530 | 10,600 | 530 |
| Kinnan Elementary School | 4 | 3415 Tallevast Road | Sarasota | 34243 | | 145 | 2,900 | |
| Lee Middle School | A | 4000 63rd Avenue West | Bradenton | 34207 | 978 | 521 | 10,433 | |
| Lee Middle School | B | 4000 63rd Avenue West | Bradenton | 34207 | | 442 | 8,838 | |
| Lee Middle School | C | 4000 63rd Avenue West | Bradenton | 34207 | | 442 | 8,838 | |
| Lincoln Middle School | A | 305 17th Street East | Palmetto | 34221 | | 326 | 6,520 | |
| Lincoln Middle School | B | 305 17th Street East | Palmetto | 34221 | | 326 | 6,520 | |
| Lincoln Middle School | C | 305 17th Street East | Palmetto | 34221 | 978 | 326 | 6,520 | 978 |
| Louise Johnson Middle School | 5 | 2121 26th Avenue East | Bradenton | 34208 | 1,640 | 198 | 3,960 | 1,442 |
| Manatee Community College | 28 | 5840 26th Street West | Bradenton | N/A | 173 | 850 | 1,700 | 173 |
| Manatee High School | 2 | 1000 32nd Street West | Bradenton | 34205 | 1,853 | 1,456 | 29,124 | |
| Manatee High School | 3 | 1000 32nd Street West | Bradenton | 34205 | | 677 | 13,550 | |
| Manatee Technical Institute Medical Complex | 1 | 5520 Lakewood Ranch | Bradenton | N/A | 581 | 581 | 11,620 | |
| McNeil Elementary | 1 | | | | 1,711 | 1,711 | 34,020 | |
| Myakka Elementary School | 2 | 37205 Manatee Avenue | Myakka City | 34251 | 865 | 0 | 0 | 865 |
| Myakka Elementary School | 3 | 37205 Manatee Avenue | Myakka City | 34251 | | 290 | 5,806 | |
| Myakka Elementary School | 4 | 37205 Manatee Avenue | Myakka City | 34251 | | 155 | 3,105 | |
| Myakka Elementary School | 6 | 37205 Manatee Avenue | Myakka City | 34251 | | 291 | 5,820 | |
| Myakka Elementary School | 7 | 37205 Manatee Avenue | Myakka City | 34251 | | 127 | 5,230 | |
| Oneco Elementary School | 1 | 2000 53rd Avenue East | Bradenton | 34203 | 600 | 0 | 0 | 522 |

## County Shelter Information

| MANATEE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Oneco Elementary School | 4 | 2000 53rd Avenue East | Bradenton | 34203 | | 304 | 6,068 | |
| Oneco Elementary School | 6 | 2000 53rd Avenue East | Bradenton | 34203 | | 304 | 5,949 | |
| Palmetto Elementary School | 4 | 634 7th Street West | Palmetto | 34221 | | 0 | 0 | |
| Palmetto Elementary School | 5 | 634 7th Street West | Palmetto | 34221 | | 0 | 0 | |
| Palmetto Elementary School | 6 | 634 7th Street West | Palmetto | 34221 | | 0 | 0 | |
| Rowlett Elementary School | 1 | 3500 9th Street East | Bradenton | 34208 | | 270 | 5,933 | |
| Rowlett Elementary School | 4 | 3500 9th Street East | Bradenton | 34208 | | 365 | 7,293 | |
| Rowlett Elementary School | 3 | 3500 9th Street East | Bradenton | 34208 | | 530 | 10,600 | |
| Seabreeze Elementary School | 1 | 3601 71st Street West | Bradenton | 34209 | 1,966 | 70 | 1,403 | |
| Seabreeze Elementary School | 2 | 3601 71st Street West | Bradenton | 34209 | | 501 | 10,013 | |
| Seabreeze Elementary School | 3 | 3601 71st Street West | Bradenton | 34209 | | 521 | 10,420 | |
| Seabreeze Elementary School | 4 | 3601 71st Street West | Bradenton | 34209 | | 460 | 9,194 | |
| Seabreeze Elementary School | 5 | 3601 71st Street West | Bradenton | 34209 | | 465 | 9,300 | |
| Southeast High School | | 1200 37th Avenue East | Bradenton | 34208 | 1,272 | 0 | 0 | 1,272 |
| Tillman Elementary School | 3 | 1415 29th Street East | Palmetto | 34221 | 675 | 530 | 10,600 | |
| Tillman Elementary School | 4 | 1415 29th Street East | Palmetto | 34221 | | 428 | 7,923 | |
| Witt Elementary School | 3 | 200 Rye Road | Bradenton | 34202 | 1,332 | 520 | 10,394 | |
| Witt Elementary School | 4 | 200 Rye Road | Bradenton | 34202 | | 408 | 8,366 | |
| Witt Elementary School | 5 | 200 Rye Road | Bradenton | 34202 | | 437 | 8,741 | |
| Manatee Technical Institute | | 5480 Lakewood Ranch Blvd | Bradenton | N/A | 290 | 0 | 0 | |
| Moody Elementary School | | 5425 38th Avenue West | Bradenton | 34209 | 1,500 | 0 | 0 | 1,500 |
| TOTALS FOR MANATEE COUNTY | | | | | 25,596 | 23,024 | 433,683 | 8,979 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4 | 23,024 | 41,296 | -18,272 | 433,683 | 825,920 | -392,237 | DEFICIT |

## County Shelter Information

| MARION | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Anthony Elementary School | | 9501 NE Jacksonville Road | Anthony | N/A | 333 | 0 | 0 | |
| Belleview Elementary School | | 5556 SE Agnew Road | Belleview | 34420 | 166 | 0 | 0 | |
| Belleview High School, Bldg 10 | 10 | 10400 SE 36th Avenue | Belleview | 34420 | | 180 | 3,590 | |
| Belleview High School, Bldg 3 | 3 | 10400 SE 36th Avenue | Belleview | 34420 | 100 | 89 | 3,574 | 0 |
| Belleview High School, Bldg 4 | 4 | 10400 SE 36th Avenue | Belleview | 34420 | 100 | 140 | 5,631 | 0 |
| Belleview High School, Bldg 5 | 5 | 10400 SE 36th Avenue | Belleview | 34420 | 100 | 158 | 3,160 | |
| Belleview Middle School | 2 | 10500 SE 36th Avenue | Belleview | 34420 | 1,150 | 473 | 9,479 | |
| Belleview.Middle School | 3 | 10500 SE 36th Avenue | Belleview | 34420 | | 430 | 8,601 | |
| Belleview Middle School | 4 | 10500 SE 36th Avenue | Belleview | 34420 | | 534 | 11,870 | |
| Belleview-Santos Elementary School | | 9600 South US Hwy 441 | Belleview | 33420 | 810 | 0 | 0 | |
| Center of Hope | | 320 NW 1st Avenue | Ocala | 34470 | 100 | 0 | 0 | |
| Central Florida.Community College | | 3001 SW College Road | Ocala | 34474 | 400 | 0 | 0 | |
| College Park Elementary School | | 1330 SW 33rd Avenue | Ocala | 34474 | 560 | 0 | 0 | |
| Community Education Center | | 1014 SW 7th Road | Ocala | N/A | 300 | 0 | 0 | |
| Dr. N.H. Jones Elementary School | | 1900 SW 5th Street | Ocala | N/A | 245 | 0 | 0 | |
| Dunnellon High School | 23 | 10055 SW 180th Ave Rd | Dunnellon | 34432 | 0 | 251 | 5,020 | |
| Dunnellon High School | 24 | 10055 SW 180th Ave Rd | Dunnellon | 34432 | 775 | 334 | 6,680 | |
| Dunnellon Middle School | | 21005 Chestnut Street | Dunnellon | 34432 | 309 | 0 | 0 | 309 |
| East Marion Elementary School | | 14550 NE 14th St Rd | Silver Springs | 34488 | 200 | 0 | 0 | |
| Eighth Street Elementary School | | 513 SE 8th STreet | Ocala | 34470 | 536 | 0 | 0 | |
| Emerald Shores Elementary School | | 404 Emerald Road | Ocala | 34472 | 945 | 0 | 0 | |
| Evergreen Elementary School | | 4000 NE W Anthony Road | Ocala | 34471 | 640 | 0 | 0 | |
| Fessenden Elementary School | | 4200 NW 90th Street | Ocala | 34470 | 836 | 0 | 0 | |
| First Baptist Church of Belleview | | 6107 SE Agnew Road | Belleview | N/A | 200 | 0 | 0 | |
| Forest High School | | 1614 SE Fort King Street | Ocala | 34470 | 1,000 | 0 | 0 | |
| Fort King Middle School | | 545 NE 17th Avenue | Ocala | 34470 | 500 | 0 | 0 | |
| Fort McCoy Elementary/Middle School | | 16160 N Highway 315 | Fort McCoy | 32134 | 964 | 0 | 0 | 964 |
| Fort McCoy School | 4 | | | | | 214 | 4,280 | |
| Fort McCoy School | 5 | | | | | 123 | 2,460 | |
| Fort McCoy School | 6 | | | | | 214 | 4,280 | |
| Fot McCoy School | 8 | | | | | 214 | 4,280 | |
| Greenway Elementary School | | 207 Midway Road | Ocala | 34472 | 150 | 0 | 0 | |
| Harbour View Elementary School | | 8445 SE 147th Street | Summerfield | 34491 | 685 | 0 | 0 | |
| Hillcrest School | | 3143 SE 17th Street | Ocala | 34470 | 50 | 0 | 0 | |
| Howard Middle School | | 1108 NW Martin Luther King | Ocala | 34470 | 850 | 0 | 0 | |

## County Shelter Information

| MARION | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Lake Weir High School | | 10351 SE Maricamp Road | Ocala | 34472 | 1,000 | 1,102 | 22,040 | |
| Lake Weir Middle School | | 10220 SE Sunset Harbor | Summerfield | 34491 | 812 | 0 | 0 | |
| Madison Street Elementary School | 1 | 1239 NW 4th Street | Ocala | 34470 | 720 | 286 | 8,240 | |
| Maplewood Elementary School | | 4751 SE 24th Street | Ocala | 34470 | 400 | 0 | 0 | 100 |
| Maplewood Elementary School | | 4751 SE 24th Street | Ocala | 34470 | 0 | 0 | 0 | 350 |
| North Marion High School | | 151 W Highway 329 | Citra | 32113 | 500 | 0 | 0 | |
| North Marion Middle School | | 2085 NW 28th Street | Ocala | 32113 | 500 | 0 | 0 | |
| Oakcrest Baptist Church | | 1109 NE 28th Street | Ocala | 34470 | 0 | 0 | 0 | |
| Oakcrest Elementary School | | 1112 NE 28th Street | Ocala | 34470 | 350 | 0 | 0 | |
| Ocala City Auditorium | | 836 NE Sanchez Avenue | Ocala | N/A | 200 | 0 | 0 | |
| Ocala Springs Elementary School | | 5757 NE 40th Ave Rd | Ocala | 34470 | 200 | 0 | 0 | |
| Osceola Middle School | | 526 SE Tuscawilla Avenue | Ocala | N/A | 500 | 0 | 0 | |
| Our Lady of the Springs | | 4047 NE 21st Street | Ocala | 34470 | 150 | 0 | 0 | |
| Phoenix Center | | 2091 NE 35th Street | Ocala | 34470 | 774 | 0 | 0 | |
| Queen of Peace Catholic Church | | 6455 SW SR 200 | Ocala | 33474 | 300 | 0 | 0 | |
| Reddick Collier Elementary School | | 4595 W Highway 316 | Reddick | 32686 | 350 | 0 | 0 | |
| Romeo Elementary School | | 19550 SW 36th Street | Dunnellon | 34432 | 500 | 0 | 0 | |
| Saddlewood Elementary School, Bldg 1 | 1 | 3700 SW 43rd Court | Ocala | 34473 | 0 | 50 | 1,000 | |
| Saddlewood Elementary School, Bldg 4 | 4 | 3700 SW 43rd Court | Ocala | 34473 | 0 | 219 | 4,396 | |
| Saddlewood Elementary School, Bldg 6 | 6 | 3700 SW 43rd Court | Ocala | 34473 | 0 | 169 | 6,768 | |
| Shady Hill Elementary School | | 5959 S Magnolia Avenue | Ocala | 34470 | 609 | 0 | 0 | |
| South Ocala Elementary School | | 2831 SE Lake Weir Avenue | Ocala | 34470 | 512 | 0 | 0 | |
| Sparr Elementary School | | 2525 E Highway 329 | Ocala | 32192 | 100 | 0 | 0 | |
| St. Jude Catholic Community Church | | 443 Marion Oaks Drive | Ocala | 34474 | 70 | 0 | 0 | |
| Stanton-Weirsdale Elementary School | | 16700 SE 134th Terrace | Weirsdale | 32195 | 689 | 0 | 0 | |
| Sunrise Elementary School | | 375 Marion Oaks Course | Ocala | 34473 | 200 | 0 | 0 | |
| Vanguard High School | | | | | | 0 | 0 | |
| Vanguard High School | | 7 NW 28th Street | Ocala | 34470 | 1,000 | 1,044 | 20,880 | |
| Ward-Highlands Elementary School | | 537 SE 36th Street | Ocala | N/A | 200 | 0 | 0 | |
| Westport High School | 1 | | | | | 563 | 11,261 | |
| Westport Middle School | 1 | 3733 SW 80th Avenue | Ocala | 34482 | | 183 | 7,331 | |
| Wyomina Park Elementary School | | 511 NE 12th Avenue | Ocala | 34470 | 200 | 0 | 0 | |
| | | | TOTALS FOR MARION COUNTY | | 23,848 | 6,970 | 154,821 | 1,723 |

## County Shelter Information

| MARION | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Stotm Category 4/5 | 6,970 | 28,188 | -21,218 | 154,821 | 563,760 | -408,939 | DEFICIT |

## County Shelter Information

| MARTIN | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Bessey Creek Elementary School | | 2201 SW Matheson Ave | Palm City | 34990 | 1,000 | 850 | 17,000 | |
| Challenger School | Hallways, (2,4,5,6,7) | 5200 SE Willoughby Blvd | Stuart | 34987 | | 271 | 10,847 | |
| Crystal Lake Elementary School | | 2095 SW 96th Street | Stuart | 34997 | 1,500 | 849 | 16,980 | |
| Felix Williams School | | 401 NW Baker Street | Stuart | 34994 | 1,500 | 0 | 0 | |
| Hidden Oaks Middle School | | 2801 SW Martin Highway | Palm City | 34990 | 1,515 | 663 | 13,261 | 825 |
| Indiantown Middle School | 2 | 16303 SW Farm Road | Indiantown | 34956 | 375 | 538 | 10,752 | |
| Jensen Beach Elementary School | | 2525 NE Savanna Road | Jensen Beach | 34857 | 1,740 | 1,450 | 29,000 | |
| Jensen Beach High School | | | Jensen Beach | 34857 | 1,750 | 3,500 | 70,000 | |
| Morgade Library.. | Comm. Rm | | | | | 115 | 2,300 | |
| Palm City Elementary School | | 1951 SW 34th Street | Palm City | 34990 | 825 | 0 | 0 | |
| Pinewood Elementary School | | 5200 SE Willoughby Blvd | Stuart | 34997 | 1,500 | 1,300 | 26,000 | |
| Seawind Elementary School | | 3700 SE Seabranch Blvd | Stuart | 33455 | 850 | 875 | 17,500 | |
| South Fork | | 10205 SW Pratt & Whitney | Stuart | 34997 | 1,200 | 0 | 0 | |
| Warfield Elementary School | 21 | 15261 SW 50th Street | Indiantown | 34956 | | 860 | 17,194 | |
| | | | TOTALS FOR MARTIN COUNTY | | | 13,755 | 11,271 | 230,834 | 825 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 11,271 | 8266 | 3,005 | 230,834 | 165320 | 65,514 | SURPLUS |

## County Shelter Information

| MIAMI-DADE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| American Senior High | 1 | 12850 NW 67th Avenue | Miami | 33015 | 1,279 | 2,558 | 51,160 | |
| Arvida Middle | | 10900 SW 127th Avenue | Miami | 33186 | 207 | 415 | 8,300 | |
| Ashe, Bowman Elementary School | | 6601 SW 152nd Avenue | Miami | 33193 | 174 | 1,386 | 27,720 | |
| Bent Tree Elementary School | | 4861 SW 140th Avenue | Miami | 33175 | 394 | 474 | 9,480 | |
| Brentwood Elementary School | | 3131 NW 191st Street | Miami | 33056 | 432 | 865 | 17,300 | |
| Bright, James Elementary School | | 2530 W 10th Avenue | Hialeah | 33010 | 192 | 1,208 | 24,160 | |
| Calusa Elementary | | 9580 W Calusa Club Drive | Miami | 33186 | 247 | 900 | 18,000 | |
| Citrus Grove Middle School | 1 | 21153 NW 3rd Street | Miami | 33125 | 2,241 | 2,641 | 52,820 | |
| Dario Reuben Middle School | | | | | | 0 | 0 | |
| Douglas, Marjorie Elementary School | | 11901 SW 2nd Street | Miami | 33184 | 270 | 1,569 | 31,380 | |
| Drew, Charles Middle School | | 1801 NW 60th Street | Miami | 33142 | 270 | 1,050 | 21,000 | |
| Dunbar Elementary School | | 505 NW 20th Street | Miami | 33127 | 350 | 786 | 15,720 | |
| Fascell, Dante Elementary School | | 15625 SW 80th Street | Miami | 33193 | 700 | 931 | 18,620 | |
| Goleman High School | 8&9 | 14100 NW 89th Avenue | Miami | 33016 | 5,273 | 1,248 | 24,960 | |
| Goleman Senior High | 1 | | | | | 3,750 | 75,000 | |
| Goleman Senior High | 4 & 5 | | | | | 250 | 5,000 | |
| Greynolds Park Primary Learning Center | | 1575 NE 177 Street | N Miami Beach | 33162 | 262 | 519 | 10,380 | |
| Hall, Joe Elementary School | | 1901 SW 134th Avenue | Miami | 33175 | 321 | 914 | 18,280 | |
| Hammocks Middle School | | 9889 Hammocks Blvd | Miami | 33196 | 818 | 1,467 | 29,340 | |
| Hartner Elementary School | | 401 NW 29th Street | Miami | 33127 | 445 | 1,306 | 26,120 | |
| Hialeah-Miami Lakes High School | | 7977 W 12th Avenue | Hialeah | 33014 | 1,050 | 1,264 | 25,280 | |
| Hoover, Oliver Elementray | | 9050 Hammocks Blvd | Miami | 33196 | 394 | 1,273 | 25,460 | |
| John Ferguson Senior High School | | | | | | 2,800 | 56,000 | |
| Krop, Michael Senior High School | | 1410 NE County Line Road | N Miami Beach | 33179 | 750 | 3,383 | 67,660 | |
| Lake Stevens Elementary School | | 5101 NW 183rd Avenue | Miami | 33055 | 588 | 1,018 | 20,360 | |
| Lorah Park Elementary School | | 5160 NW 31st Avenue | Miami | 33142 | 420 | 840 | 16,800 | |
| Miami Carol City High School | 1 | 3422 NW 187th Street | Miami | 33056 | 900 | 500 | 10,000 | |
| Miami Coral Park High School | 1 | 8865 SW 16th Street | Miami | 33165 | 1,014 | 1,125 | 22,500 | |
| Miami Killian High School | | 10655 SW 97th Avenue | Miami | 33176 | 210 | 420 | 8,400 | |
| Miami Northwestern High School | 1 | 7007 NW 13th Avenue | Miami | 33150 | 2,000 | 3,420 | 68,400 | |
| Miami Palmetto Senior High | | 7460 SW 118th Street | Miami | 33156 | 275 | 2,313 | 46,260 | |
| Miami Shores Elementary School | | 10351 NE 5th Avenue | Miami | 33138 | 82 | 287 | 5,740 | |
| Miami Southridge Senior High | 1 | 19355 SW 114th Street | Miami | 33157 | 850 | 700 | 14,000 | |
| Miami Springs High | 1 | 751 Dove Avenue | Miami Springs | 33166 | 1,150 | 2,300 | 46,000 | |
| Miami Sunset High | 1 | 13125 SW 72nd Street | Miami | 33183 | 1,637 | 3,275 | 65,500 | |

## County Shelter Information

| MIAMI-DADE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| North Miami Beach High School | | 1247 NE 167th Street | N Miami Beach | 33162 | 1,115 | 3,152 | 63,040 | |
| North Miami High School | | 800 NE 137th Street | N Miami Beach | 33161 | 553 | 2,313 | 46,260 | |
| North Miami Middle School | 1 | 13105 NE 7th Avenue | N Miami Beach | 33161 | 761 | 450 | 9,000 | |
| Norwood Elementary School | | 19810 NW 14th Court | Miami | 33169 | 317 | 1,027 | 20,540 | |
| Olinda Elementary School | | 5536 NW 21st Avenue | Miami | 33142 | 750 | 1,701 | 34,020 | |
| Orchard Villa Elementary School | | 5720 NW 13th Avenue | Miami | 33142 | 650 | 1,179 | 23,580 | |
| Palm Lakes Elementary School | | 7450 W 16th Avenue | Hialeah | 33014 | 338 | 649 | 12,980 | |
| Palm Springs North Elementary School | | 17615 NW 82nd Avenue | Hialeah | 33015 | 540 | 1,029 | 20,580 | |
| Pepper, Claude Elementary School | | 14550 SW 96th Street | Miami | 33186 | 332 | 1,258 | 25,160 | |
| Pharr, Kelsey Elementary School | | 2000 NW 46th Street | Miami | 33142 | 327 | 569 | 11,380 | |
| Porter, Gilbert Elementary School | | 15851 SW 112th Street | Miami | 33196 | 380 | 1,769 | 35,380 | |
| Royal Green Elementary School | | 13047 SW 47th Street | Miami | 33175 | 406 | 563 | 11,260 | |
| Ruth Kruse Owens | | 11001 SW 76th Street | Miami | 33173 | 230 | 741 | 14,820 | |
| Shenandoah Elementary School | | 1023 SW 21st Avenue | Miami | 33135 | 250 | 500 | 10,000 | |
| Sheppard, Ben Elementary School | | 5700 W 24th Avenue | Hialeah | 33016 | 355 | 1,420 | 28,400 | |
| South Maim Senior | 1 | | | | | 0 | 0 | |
| Southwood Middle School | 1 | 16301 SW 80th Avenue | Miami | 33157 | 955 | 1,000 | 20,000 | |
| Stirrup Elementary School | | 330 NW 97th Avenue | Miami | 33172 | 323 | 775 | 15,500 | |
| Sunshine Pavilion @ Tamiami Park | | 10901 SW 24th Street | Miami | 33165 | 1,225 | 2,450 | 49,000 | |
| Thomas, W. R. Middle School | | 13001 SW 26th Street | Miami | 33175 | 610 | 2,050 | 41,000 | |
| Van Blanton Elementary School | 1 | 10327 NW 11th Avenue | Miami | n/a | 575 | 1,150 | 23,000 | |
| Village Green Elementary School | | 12265 SW 34th Street | Miami | 33175 | 198 | 565 | 11,300 | |
| | | | | | | 0 | 0 | |
| Darlo, Ruben Middle | | 350 NW 97th Avenue | Miami | 33172 | 250 | 250 | 10,000 | |
| Florida Int University (Univ Park Campus) | | 11200 SW 8th Street | Miami | 33165 | 700 | 0 | 0 | |
| Highland Oaks Middle School | | 2375 NE 203rd Street | N Miami Beach | 33180 | 250 | 250 | 10,000 | |
| Marti, jose Middle | | 5701 W 24th Avenue | Hialeah | 33016 | 250 | 500 | 10,000 | |
| McMillan Middle School | | 13100 SW 59th Street | Miami | 33183 | 250 | 500 | 10,000 | |
| Miami Edison High School | | 6161 NW 5th Court | Miami | 33127 | 250 | 500 | 10,000 | |
| South Miami High School | 1 | 68566 SW 53rd Street | Miami | n/a | 1,250 | 2,000 | 40,000 | |
| School "GGG" at Hialeah Senior | | | | | | 1,200 | 24,000 | |
| School "JJ" at Doral Middle | | | | | | 1,360 | 27,200 | |
| School "LL" at Lawton Chiles Middle | | | | | | 500 | 10,000 | |
| School "EEE" Felix Vareia Senior | | | | | | 2,913 | 58,260 | |

## County Shelter Information

| MIAMI-DADE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Booker T. Washington Senior High Conv | | | | | | 1,200 | 24,000 | |
| School "HHH" Robert.Morgan Tech Senior | | | | | | 2,800 | 56,000 | |
| Miami -Dade Homeless Assistance center | | | | | | 1,000 | 20,000 | |
| TOTALS FOR MIAMI-DADE COUNTY | | | | | 39,585 | 90,438 | 1,818,760 | 0 |

| Year 2004 | Shelter Capacity in People | Shelter Demand in People | Surplus/ Deficit in People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 90,438 | 59,480 | 30,958 | 1,818,760 | 1,189,600 | 629,160 | SURPLUS |

## County Shelter Information

| MONROE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Florida Int University (Univ Park Campus)[2] | | 11200 SW 8th Street | Miami | 33165 | 700 | 700 | 14,000 | 0 |
| Sugarloaf | 16 | | | | | 0 | 0 | |
| Switlike ES | 10 | | | | | 0 | 0 | |
| TOTALS FOR MONROE COUNTY | | | | | 700 | 700 | 14,000 | 0 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 700 | 4,894 | -4,194 | 14,000 | 97,880 | -83,880 | DEFICIT |

## County Shelter Information

| NASSAU | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496)[1] | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Bryceville Elementary School | | 1 Church Avenue | Bryceville | N/A | 68 | 0 | 0 | 68 |
| Callahan Elementary School | | 100 S Booth Street | Callahan | N/A | 326 | 0 | 0 | 326 |
| Callahan Intermediate School | 1 | Route 1, Box 1440, SR 1 | Callahan | N/A | 156 | 436 | 6,537 | 156 |
| Callahan Middle School | | SR 115 | Callahan | N/A | 1,417 | 0 | 0 | 1,417 |
| Hillard Middle School | 15 | 106 W Illinois | Hilliard | N/A | 1,247 | 345 | 13,803 | 588 |
| Hilliard Elementary School | 1 | 112 Ohio Street | Hilliard | N/A | 156 | 436 | 6,537 | 156 |
| West Nassau High School | 1 | 1 Warrior Drive | Callahan | N/A | 1,272 | 690 | 13,803 | 666 |
| Yulee Elementary School | | 389 Felmore Road | Yulee | N/A | 0 | 0 | 0 | 0 |
| Yulee Middle School * | | 321 Miner Rd | Yulee | 32097 | 491 | 1,831 | 36,627 | 491 |
| Yulee Primary School | | 964 Goodbread Drive | Yulee | N/A | 200 | 0 | 0 | 200 |
| *Replacement school for one on US17 | | | | | | 0 | 0 | |
| TOTALS FOR NASSAU COUNTY | | | | | 5,333 | 3,738 | 77,307 | 4,068 |

| Year 2004 | | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|---|
| Storm Category 4 | | 3,738 | 4,740 | -1,002 | 77,307 | 94,800 | -17,493 | DEFICIT |
| Storm Category 5 | | 3,738 | 4,996 | -1,258 | 77,307 | 99,920 | -22,613 | DEFICIT |

## County Shelter Information

| OKALOOSA | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Addie Lewis Middle School | | 281 Mississippi Avenue | Valparaiso | N/A | 1,500 | 0 | 0 | 413 |
| Antioch Elementary School | | 4700 Whitehurst Lane | Crestview | 32536 | 1,500 | 750 | 15,000 | 626 |
| Baker High School | | 1369 14th Street | Baker | N/A | 2,500 | 0 | 0 | 761 |
| Blue Water Bay ES | | 4545 Range Rd | Niceville | 32578 | 918 | 0 | 0 | 918 |
| Bruner Middle School | | 322 Holmes Boulevard | Ft. Walton | 32548 | 2,500 | 0 | 0 | 1,088 |
| Davidson Middle | | 6261 Old Bethel Rd | Crestview | 32536 | 1,729 | 0 | 0 | 1,729 |
| First Baptist Church | | 444 Highway 190 | Valparaiso | 32580 | 300 | 0 | 0 | 329 |
| Laurel Hill High School | | 8078 4th Street | Laurel Hill | 32567 | 500 | 0 | 0 | 327 |
| Longwood Elementary School | | 50 Holly Drive | Shalimar | N/A | | 0 | 0 | |
| Shalimar Elementary School | | 1350 Joe Martin Circle | Shalimar | 32579 | 300 | 50 | 1,000 | 510 |
| Crestview High School | | 1304 N Ferdon Boulevard | Crestview | 32536 | 3,500 | 0 | 0 | 1,733 |
| TOTALS FOR OKALOOSA COUNTY | | | | | 15,247 | 800 | 16,000 | 8,434 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 800 | 12,946 | -12,146 | 16,000 | 258,920 | -242,920 | DEFICIT |

## County Shelter Information

| OKEECHOBEE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| American Legion Post #64 | | 501 SE 2nd Street | Okeechobee | N/A | 200 | 0 | 0 | 200 |
| Everglades Elementary School | | 3725 SE 8th Street | Okeechobee | N/A | 222 | 0 | 0 | 222 |
| First Baptist Church | Fam Life | 401 SW 4th Stree | Okeechobee | N/A | 122 | 507 | 10,140 | 122 |
| Ft. Drum Community Church | | 32415 Highway 441 North | Okeechobee | N/A | 120 | 0 | 0 | 120 |
| Moose Lodge | | 159 NW 36th STreet | Okeechobee | N/A | 133 | 0 | 0 | 133 |
| North Elementary School | | 3000 NW 10th Terrace | Okeechobee | N/A | 500 | 0 | 0 | 500 |
| Okeechobee High School | | 2800 Highway 441 North | Okeechobee | N/A | 1,737 | 0 | 0 | 1,049 |
| Osceola Middle School | 3 | 825 SW 21st Street | Okeechobee | N/A | 2,071 | 298 | 5,960 | 1,191 |
| Osceola Middle School | 6 | 825 SW 21st Street | Okeechobee | N/A | | 297 | 5,940 | |
| Osceola Middle School | 7 | 825 SW 21st Street | Okeechobee | N/A | | 298 | 5,960 | |
| Presbyterian Church | | 312 N Parrot Avenue | Okeechobee | N/A | 133 | 0 | 0 | 133 |
| Sacred Heart Catholic Church | | 701 SW 6th STrret | Okeechobee | N/A | 667 | 0 | 0 | 667 |
| Seminole Elementary School | | 2690 NW 42nd Avenue | Okeechobee | N/A | 222 | 0 | 0 | 222 |
| South Elementary School | 15 | 575 SW 28th Street | Okeechobee | N/A | 500 | 1,011 | 20,215 | 500 |
| Yearling Middle School | | 925 NW 23rd Lane | Okeechobee | N/A | 700 | 500 | 10,000 | 700 |
| | | | | | | 0 | 0 | 500 |
| Public Health Center | | 1728 NW 9th Avenue | Okeechobee | 34972 | 500 | 0 | 0 | |
| Freshman Center Auditiorium | N | | | | | 332 | 6,635 | |
| Douglas Brown Comm. Center | | | | | | 0 | 0 | |
| TOTALS FOR OKEECHOBEE COUNTY | | | | | 7,827 | 3,243 | 64,850 | 6,259 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 3,243 | 19,480 | -16,237 | 64,850 | 389,600 | -324,750 | DEFICIT |

## County Shelter Information

ORANGE

| Name | Bldg # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not yet Surveyed) |
|---|---|---|---|---|---|---|---|---|
| All saints Church of Winter Park | | 338 East Lyman Avenue | Winter Park | N/A | 165 | 0 | 0 | |
| Aloma Elementary School | | 2949 Scarlet Road | Winter Park | 32792 | 310 | 0 | 0 | |
| American Legion #63 | | 214 W Plant Street | Winter Park | N/A | 153 | 0 | 0 | |
| Apopka High School | | 555 Martin Street | Apopka | N/A | 1,095 | 0 | 0 | |
| Apopka Middle School | | 425 N Park Avenue | Apopka | N/A | 561 | 0 | 0 | |
| Asbury United Methodist Church | | 220 Horatio Avenue | Maitland | N/A | 333 | 0 | 0 | |
| Azalea Park Methodist Church | | 50 Willow Park | Orlando | N/A | 182 | 0 | 0 | |
| Barnett Park Community Center | | 4801 W Colonial Drive | Orlando | N/A | 186 | 0 | 0 | |
| Bishop Moore High School | | 3901 Edgewater Drive | Orlando | N/A | 993 | 0 | 0 | |
| Bithlo Park Building | | 18501 Washington Avenue | Orlando | N/A | 180 | 0 | 0 | |
| Blankner School | 2 | 2500 South Mills Ave | Orlando | 32806 | 260 | 260 | 10,417 | |
| Blessed Trinity Catholic Church | | 1245 East Anderson Road | Orlando | N/A | 365 | 0 | 0 | |
| Broadway United Methodist Church | | 406 E Amelia Street | Orlando | N/A | 272 | 0 | 0 | |
| Calvary Assembly of God | | 1199 Clay Street | Orlando | N/A | 866 | 0 | 0 | |
| Calvary Presbyterian Church | | 1100 Lee Road | Orlando | N/A | 133 | 0 | 0 | |
| Carver Middle School | | 4500 West Columbia Street | Orlando | N/A | 700 | 0 | 0 | |
| Central Parkway Baptist | | 5281 Central Florida Pkwy | Orlando | N/A | 13 | 0 | 0 | |
| Chain of Lakes Middle School | | 8720 Conroy Windemere Rd | Orlando | N/A | 663 | 0 | 0 | |
| Church of Good Sheperd | | 331 Lake Avenue | Maitland | N/A | 126 | 0 | 0 | |
| College Park Baptist Church | | 1914 Edgewater Drive | Orlando | N/A | 59 | 0 | 0 | |
| Conway Middle School | | 4600 Anderson Road | Orlando | N/A | 696 | 0 | 0 | |
| Conway United Methodist Church | | 3401 S Conway Road | Orlando | N/A | 433 | 0 | 0 | |
| Corner Lake Middle School | | 1700 Chuluota Road | Bithlo | N/A | 618 | 0 | 0 | |
| Cypress Creek High School | cafeteria | 1101 Bear Crossing | Orlando | 32824 | 614 | 614 | 12,280 | |
| Cypress Creek High School | gym | 1101 Bear Crossing | Orlando | 32824 | 634 | 634 | 12,680 | |
| Discovery Middle School | | 601 Woodbury Road | Orlando | N/A | 618 | 0 | 0 | |
| Dr. Phillips High School | cafeteria | 6500 Turkey Lake Road | Orlando | 32819 | 546 | 546 | 10,920 | |
| East Orlando Baptist Church | | 8287 Curryford Road | Orlando | N/A | 200 | 0 | 0 | |
| Edgewater High School | | 3100 Edgewater Drive | Orlando | N/A | 678 | 0 | 0 | |
| Evans High School | | 4949 Silver Star Road | Orlando | N/A | 562 | 0 | 0 | |
| Faith Lutheran Church | | 5000 Silver Star Road | Orlando | N/A | 206 | 0 | 0 | |
| Faith United Methodist Church | | 1411 N Dean Road | Orlando | N/A | 147 | 0 | 0 | |
| First Baptist Church of Pinecastle | | 1001 Hoffner Avenue | Orlando | N/A | 426 | 0 | 0 | |
| First Baptist Church of Union Park | | 10301 East Colonial Drive | Orlando | N/A | 457 | 0 | 0 | |

## County Shelter Information

ORANGE

| Name | Bldg # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not yet Surveyed) |
|---|---|---|---|---|---|---|---|---|
| First Presbyterian Church of Apopka | | 500 South Highland | Apopka | N/A | 259 | 0 | 0 | |
| First Presbyterian Church of Maitland | | 341 N Orlando | Maitland | N/A | 234 | 0 | 0 | |
| First United Church of Pine Hills | | 1400 North Nowell Street | Orlando | N/A | 259 | 0 | 0 | |
| First United Methodist Church | | 142 E Jackson Street | Orlando | N/A | 400 | 0 | 0 | |
| First United Methodist Church | | 201 South Park Avenue | Orlando | N/A | 285 | 0 | 0 | |
| Freedom High | | | | | 710 | 710 | 14,200 | |
| Fort Gatlin Recreation Center | | 2009 Lake Margaret Drive | Orlando | N/A | 100 | 0 | 0 | |
| Glenridge Middle School | | 801 Glenridge Way | Winter Park | N/A | 702 | 0 | 0 | |
| Gotha Middle School | | 9155 Gotha Road | Windemere | N/A | 725 | 0 | 0 | |
| Grace United Methodist Church | | 4835 SilverStar Road | Orlando | N/A | 236 | 0 | 0 | |
| Holy Family Catholic Church | | 5125 S Apoka-Vine | Orlando | N/A | 400 | 0 | 0 | |
| Hunters Creek Elementary School | | 13400 Town Loop Blvd. | Orlando | N/A | 706 | 0 | 0 | |
| Jackson Middle School | | 6000 Stonewall Jackson | Orlando | N/A | 697 | 0 | 0 | |
| John Bridges Community Center | | 445 West 13th Street | Apopka | N/A | 206 | 0 | 0 | |
| John Calvin Presbyterian | | 800 West Oak Ridge Road | Orlando | N/A | 114 | 0 | 0 | |
| Lake Buena Vista Baptist Church | | 11551 State Road 535 North | Orlando | N/A | 92 | 0 | 0 | |
| Lakeview Middle - Org | | 1200 West Bay Street | Winter Garden | N/A | 602 | 0 | 0 | |
| Lee Middle School | | 1201 Maury Road | Orlando | N/A | 706 | 0 | 0 | |
| Liberty Middle School | | 3405 South Chickasaw Trail | Orlando | N/A | 533 | 0 | 0 | |
| Lockhart Baptist Church | | 7601 Edgewater Drive | Orlando | N/A | 420 | 0 | 0 | |
| Lockhart Middle School | | 3411 Doctor Love Road | Orlando | N/A | 553 | 0 | 0 | |
| Loyal Order of Moose Lodge 766 | | 5001 N Orange Blossom Tr | Orlando | N/A | 1,548 | 0 | 0 | |
| Maitland Baptist Church | | 1950 Mohican Trail | Maitland | N/A | 380 | 0 | 0 | |
| Maitland Middle School | | 1601 Choctaw Trail | Maitland | N/A | 698 | 0 | 0 | |
| Marks Street Community Center | | 99 East Marks Steet | Orlando | N/A | 300 | 0 | 0 | |
| McCormick Baptist Church | | 2100 McCormick Road | Apopka | N/A | 66 | 0 | 0 | |
| Meadow Woods Middle School | | 1800 Rhode Island Wood Cr | Orlando | N/A | 618 | 0 | 0 | |
| Memorial Middle School | | 2220 West Michigan Ave | Orlando | N/A | 700 | 0 | 0 | |
| Oak Level Baptist Church | | 10564 Second Avenue | Ocoee | N/A | 195 | 0 | 0 | |
| Oak Ridge High School | | 6000 Winegard Road | Orlando | N/A | 633 | 0 | 0 | |
| Ocoee Middle School | | 300 South Bulford Avenue | Ocoee | N/A | 705 | 0 | 0 | |
| Ocoee United Methodist Church | | 124 W Floral Street | Ocoee | N/A | 202 | 0 | 0 | |
| Odyssey Middle School | 3-gym | 9290 Lee Vista | Orlando | 32822 | 559 | 559 | 11,198 | |
| Olympia High School | 7-Gym | 4301 S. Apopka-Vineland | Orlando | 32835 | 710 | 710 | 14,200 | |

## County Shelter Information

ORANGE

| Name | Bldg. # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not yet Surveyed) |
|---|---|---|---|---|---|---|---|---|
| Orangewood Presbyterian CHurch | | 1300 W Maitland Boulevard | Maitland | N/A | 873 | 0 | 0 | |
| Orlo Vista Building | | 26 North Nowell Avenue | Orlando | N/A | 100 | 0 | 0 | |
| Piedmont Lake Middle School | | 2601 Lakeville Road | Apopka | N/A | 652 | 0 | 0 | |
| Pine Hills First United Church | | 1400 N Nowell Street | Orlando | N/A | 259 | 0 | 0 | |
| Powers Drive Baptist Church | | 3311 Powers Drive | Orlando | N/A | 475 | 0 | 0 | |
| Redeemer Lutheran Church | | 3377 Aloma Avenue | Winter Park | N/A | 306 | 0 | 0 | |
| Robinswood Middle School | | 6305 Balboa Drive | Orlando | N/A | 677 | 0 | 0 | |
| Rock Springs MHP | | 1820 Rock Springs Road | Apopka | N/A | 503 | 0 | 0 | |
| South Orlando Baptist Church | | 11513 S Orange Blossom Tr | Orlando | N/A | 720 | 0 | 0 | |
| Springs Community Baptist Church | | 2320 N Rock Springs | Apopka | N/A | 2,880 | 0 | 0 | |
| St Francis of Assisi | | 834 South Highway 441 | Apopka | N/A | 160 | 0 | 0 | |
| St James Catholic Church | | 215 North Orange Avenue | Orlando | N/A | 173 | 0 | 0 | |
| St Johns Vianney Church | | 6200 S Orange Boulevard | Orlando | N/A | 661 | 0 | 0 | |
| St Lukes United Methodist | | 4851 S Apopka-Vineland | Orlando | N/A | 160 | 0 | 0 | |
| St Margaret Mary Catholic Church | | 526 N Park Avenue | Winter Park | N/A | 120 | 0 | 0 | |
| St Pauls Presbyterian Church | | 1450 Citrus Oaks Avenue | Ocoee | N/A | 100 | 0 | 0 | |
| St Stephens Presbyterian Church | | 8601 Lake Underhill Road | Orlando | N/A | 167 | 0 | 0 | |
| S.W. Middle School | | 6450 Dr. Phillips Boulevard | Orlando | N/A | 541 | 0 | 0 | |
| Tangelo Baptist Church | | 7001 Ravenna Avenue | Orlando | N/A | 78 | 0 | 0 | |
| Timber Creek High School | 7-Gym | 1001 Avalon Boulevard | Orlando | 32828 | 710 | 710 | 14,200 | |
| Trinity Lutheran Church | | 123 East Livingston Road | Orlando | N/A | 281 | 0 | 0 | |
| Trinity United Methodist | | 2113 East South Street | Orlando | N/A | 179 | 0 | 0 | |
| Union Park Middle School | 100/200 | 1844 Westfall Drive | Orlando | 32817 | 450 | 450 | 9,000 | |
| Union Park Middle School | Classrooms | 1844 Westfall Drive | Orlando | 32817 | 696 | 0 | 0 | |
| University High School | cafeteria | 11501 Easterwood Drive | Orlando | 32817 | 329 | 329 | 6,591 | |
| University High School | Gym | 11501 Easterwood Drive | Orlando | 32817 | 612 | 612 | 12,240 | |
| University High School | | 11501 Easterwood Drive | Orlando | 32817 | 735 | 0 | 0 | |
| University of Central Florida | | 4000 Central Florida Pkwy | Orlando | N/A | 2,075 | 0 | 0 | |
| Valencia Community College (east) | | Econolockahatchee Trail | Orlando | N/A | 699 | 0 | 0 | |
| Valencia Community College (west) | | Kirkman Road | Orlando | N/A | 1,324 | 0 | 0 | |
| Vietnam Veterans' Center | | 3400 N Tanner Road | Orlando | N/A | 96 | 0 | 0 | |
| Vista de Largo MHP | | 14465 Vista Del Largo Blvd | Winter Park | N/A | 100 | 0 | 0 | |
| Walker Middle School | cafeteria | 150 Amidon Lane | Orlando | 32809 | 186 | 186 | 3,729 | |
| Walker Middle School | Food Serv | 150 Amidon Lane | Orlando | 32809 | 696 | 0 | 0 | |

## County Shelter Information

ORANGE

| Name | Bldg. # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not yet Surveyed) |
|---|---|---|---|---|---|---|---|---|
| Washington Shores Presbyterian | | 3600 Rodger Drive | Orlando | N/A | 206 | 0 | 0 | |
| West Orange High School | | 1625 Beaulah Road | Winter Garden | N/A | 1,144 | 0 | 0 | |
| Westridge Middle School | | 3800 West Oakridge Road | Orlando | N/A | 695 | 0 | 0 | |
| Winter Park High School | | 2100 Summerfield | Winter Park | N/A | 668 | 0 | 0 | |
| Winter Park Presbyterian | | 400 South Lakemont Ave | Winter Park | N/A | 1,500 | 0 | 0 | |
| Woodsmen of America | | 425 South Bluebird | Apopka | N/A | 54 | 0 | 0 | |
| Zellwood Station Clubhouse | | 2126 Spillman Drive | Zellwood | N/A | 666 | 0 | 0 | |
| Zellwood Station Depot | | 2126 Spillman Drive | Zellwood | N/A | 400 | 0 | 0 | |
| Zellwood United Methodist Church | | 5538 Jones Avenue | Zellwood | N/A | 1,620 | 0 | 0 | |
| | | | TOTALS FOR ORANGE COUNTY | | 56,429 | 6,320 | 131,655 | 0 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 6,320 | 13,938 | -7,618 | 131,655 | 278,760 | -147,105 | DEFICIT |

## County Shelter Information

| OSCEOLA | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Beaumont Middle School | | 330 North Beaumont | Kissimmee | 34741 | 0 | 0 | 0 | |
| Boggy Creek Elementary School | | 810 Florida Parkway | Kissimmee | 34741 | 0 | 0 | 0 | |
| Celebration School | | 851 Celebration Avenue | Celebration | 34747 | 1,050 | 0 | 0 | |
| Celebration High | Gym | | | | | 2,000 | 40,000 | |
| Central Avenue Elementary School | | 1502 N Central Avenue | Kissimmee | 34741 | 402 | 1,751 | 35,010 | |
| Cypress Elementary School | | 2251 Lakeside Drive | Kissimmee | 34744 | 800 | 0 | 0 | |
| Deerwood Elementary School | | 3701 Lakeside Drive | Kissimmee | 34758 | 400 | 0 | 0 | |
| Denn John Middle School | | 2001 Denn John Lane | Kissimmee | 34744 | 750 | 0 | 0 | |
| Discovery Intermediate School | | 5350 San Migel | Kissimmee | 34758 | 1,027 | 770 | 15,405 | |
| Gateway High School | | 801 Bill Beck Boulevard | Kissimmee | 34744 | 620 | 0 | 0 | |
| Hickory Tree Elementary School | | 2355 Hickory Tree Road | St. Cloud | 34772 | 550 | 0 | 0 | |
| Highlands Avenue Elementary School | | 800 W Donegan | Kissimmee | 34741 | 500 | 0 | 0 | |
| Horizon Middle School | | 2020 Ham Brown Road | Kissimmee | 34746 | 1,166 | 875 | 17,496 | |
| Kissimmee Elementary School | | 2420 Dyer Boulevard | Kissimmee | 34741 | 498 | 374 | 7,470 | |
| Kissimmee Middle School | | 2410 Dyer Boulevard | Kissimmee | 34741 | 1,166 | 875 | 17,496 | |
| Lakeview Elementary School | | 2900 5th Street | St. Cloud | 34769 | 350 | 0 | 0 | |
| Michigan Avenue Elementary School | | 2015 S Michigan Avenue | St. Cloud | 34769 | 500 | 0 | 0 | |
| Mill Creek Elementary School | | 1700 Mill Slough Road | Kissimmee | 34744 | 350 | 0 | 0 | |
| Narcoossee Community School | | 2700 N Narcoossee Rd | St. Cloud | 34771 | 946 | 710 | 14,190 | |
| Neptune Middle School | | 2727 Neptune Road | Kissimmee | 34744 | 424 | 0 | 0 | |
| Osceola Elementary "C" | | | | | | 1,000 | 20,000 | |
| Osceola High School | | 420 S. Thacker Avenue | Kissimmee | 34758 | 570 | 0 | 0 | |
| Parkway Middle School | | 857 Florida Parkway | Kissimmee | 34743 | 500 | 0 | 0 | |
| Partin Settlement School | Cafeter | 2434 Remington Blvd | Kissimmee | 34744 | 561 | 561 | 11,220 | |
| Pleasant Hill Elementary School | | 1253 Pleasant Hill Road | Kissimmee | 34746 | 435 | 0 | 0 | |
| Poinciana High School | | 2300 S Poinciana Blvd | Kissimmee | 34758 | 750 | 0 | 0 | |
| Reedy Creek Elementary School | | 2300 Brook Court | Kissimmee | 34758 | 1,880 | 1,410 | 28,200 | |
| Ross E. Jeffries School | | 1200 Vermont Avenue | St. Cloud | 34769 | 250 | 0 | 0 | |
| St. Cloud High School | | 2000 Bulidog Lane | St. Cloud | 34769 | 635 | 0 | 0 | |
| St. Cloud Middle School | | 1975 S Michigan Avenue | St. Cloud | 34769 | 750 | 0 | 0 | |
| Multi-use Shelter/St. Cloud | | | | | | 500 | 10,000 | |
| Thacker Elementary School | | 301 Thacker Avenue | Kissimmee | 34741 | 345 | 0 | 0 | |
| Ventura Elementary School | | 275 Water Edge Drive | Kissimmee | 34743 | 500 | 0 | 0 | |
| TOTALS FOR OSCEOLA COUNTY | | | | | 18,675 | 10,824 | 216,487 | 0 |

## County Shelter Information

| OSCEOLA | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Year 2004 | | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
| Storm Category 4/5 | | 10,824 | 9,885 | 939 | 216,487 | 197,700 | 18,787 | SURPLUS |

## County Shelter Information

| PALM BEACH | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity (ft²) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Bear Lakes Middle School | 1,2,3,4, G | 3505 Shenandoa Boulevard | W Palm Beach | 33409 | 1,600 | 1,600 | 32,000 | |
| Bibletown Community Church | | 407 NW 4th Avenue | Boca Raton | 33486 | 450 | 0 | 0 | |
| Boca Raton High School | 4, Aud, Caf,5 | 1501 NW 15th Ct | Boca Raton | 33486 | | 4,390 | 87,800 | |
| Boynton Beach High School | | 4975 Park Ridge Boulevard | Boynton Beach | 33462 | 2,720 | 2,720 | 54,400 | |
| Carver Middle School | 2,4,6,8 | 101 Barwick Road | Delray Beach | 33445 | 1,460 | 1,460 | 29,200 | |
| Christa McCauliffe Middle School | 1,2,3,4 | 6500 Le Chalet Boulevard | Boynton Beach | 33437 | 1,600 | 1,600 | 32,000 | |
| Discovery Key Elementary School | | 3550 Lyons Road | Lake Worth | 33467 | 800 | 800 | 16,000 | |
| Frontier Elementary School | | 6701 180th Avenue, North | Loxahatchee | 33470 | 800 | 800 | 16,000 | |
| Glades Central High School | 4, 5 | 1001 SW Avenue M | Belle Grade | 33430 | 3,800 | 3,800 | 76,000 | |
| Good Shepard Church | | 1800 Bacom Point Road | Pahokee | 33476 | 56 | 0 | 0 | |
| Heritage Elementary School | | 5100 Melaleuca Lane | Greenacres | 33463 | 500 | 0 | 0 | |
| Independence Middle | | 4001 Greenway Drive | Jupiter | 33458 | | 410 | 8,200 | |
| Lake Worth Middle School | 1,2,3,4 | 1300 Barnett Drive | Lake Worth | 33460 | 1,600 | 1,600 | 32,000 | |
| Lakeshore Middle School | 2,3,4,7, Z | 425 West Canal Street | Belle Grade | 33430 | 2,800 | 2,800 | 56,000 | |
| McLeod Bethune Elementary School | | 1501 Avenue U | Riviera Beach | 33404 | 500 | 0 | 0 | |
| North Grade Elementary School | | 824 North K Street | Lake Worth | 33460 | 500 | 0 | 0 | |
| Odyssey Middle School | | 6161 Woolbright Road | Boynton Beach | 33437 | 515 | 515 | 10,300 | |
| Olympic Heights Comm. HS | | 20101 Lyons Road | Boca Raton | 33437 | 1,900 | 1,900 | 38,000 | |
| Omni Middle School | C, D,F, G | 5775 Jog Road | Boca Raton | 33496 | 1,600 | 1,600 | 32,000 | |
| Pahokee Community Center | | 360 East 1st Street | Pahokee | 33476 | 100 | 0 | 0 | |
| Palm Beach Community College | | 4200 Congress Avenue | Lake Worth | 33461 | 371 | 0 | 0 | |
| Palm Beach Central High School | 4,5,6,7 | 8499 W. Forest Hill Blvd. | Wellington | 33411 | | 5,750 | 115,000 | |
| Palm Beach Gardens Community Center | | 4404 Burns Road | Palm Bch Gardens | 33410 | 600 | 0 | 0 | |
| Riverside Community Center | | 10170 Riverside Drive | Palm Bch Gardens | 33410 | 200 | 0 | 0 | |
| Royal Palm Beach Cultural Center | | 151 Civic Center Way | Royal Palm Bch | 33411 | 730 | 0 | 0 | |
| Saint Paul Lutheran Church | | 701 West Palmetto Park Rd | Boca Raton | 33486 | 427 | 0 | 0 | |
| South Florida Fair Grounds | | 9067 Southern Boulevard | W Palm Beach | 33411 | 500 | 500 | 10,000 | |
| Spanish River Presbyterian Church | | 2400 Yamato Road | Boca Raton | 33434 | 373 | 0 | 0 | |
| W.B. Duncan Middle School | 3,4,6,7 | 5150 117th Court North | Palm Bch Gardens | 33418 | 1,600 | 1,600 | 32,000 | |
| Wellington Lands Middle School | 1,2,3, 4 | 1100 Areo Club Drive | W Palm Beach | 33414 | 1,600 | 1,600 | 32,000 | |
| Westgate Elementary School | | 1545 Loxahatchee Drive | W Palm Beach | 33409 | | 720 | 14,400 | |
| Wm. T. Dwyer High School | 1, 2, 8 | 13601 N Military Trail | Palm Bch Gardens | 33418 | 1,900 | 1,900 | 38,000 | |
| 96B - Acreage | | | | | | 0 | 0 | |
| 99L | | | | | | 0 | 0 | |

## County Shelter Information

| PALM BEACH | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 97D | | | | | | 0 | 0 | |
| 97J | | | | | | 0 | 0 | |
| 97K | | | | | | 0 | 0 | |
| 97M | | | | | | 0 | 0 | |
| West Gate | | | | | | 0 | 0 | |
| | | | TOTALS FOR PALM BEACH COUNTY | | 31,602 | 38,065 | 761,300 | 0 |

| Year 2004 | Shelter Capacity in People | Shelter Demand in People | Surplus/ Deficit in People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 38,065 | 42,014 | -3,949 | 761,300 | 840,280 | -78,980 | DEFICIT |

## County Shelter Information

| PASCO | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496)[1] | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Anclote Elementary School | | 3610 Madison Street | Elfers | 34652 | 1,267 | 0 | 0 | 1,267 |
| Bayonet Point Middle School | | 11125 Little Road | New Port Richey | 34654 | 3,137 | 0 | 0 | 478 |
| Calusa Elementary School | 4 | 7520 Orchid Lake Road | New Port Richey | 34654 | 1,628 | 181 | 3,820 | |
| Centennial Elementray School | | 38501 Centennial Road | Dade City | 33525 | 0 | 0 | 0 | 0 |
| Centennial Middle School | 2 | 38501 Centennial Road | Dade City | 33525 | 1232 | 1,232 | 24,640 | |
| Chasco Elementray/Middle School | 2-2nd flr | 7720 Ridge Road | New Port Richey | 34654 | 550 | 550 | 11,000 | |
| Chasco Elementray/Middle School | 2-1st flr | 7720 Ridge Road | New Port Richey | 34654 | 275 | 138 | 5,500 | |
| Cypress Elementary School | | 10055 Sweet Bay Court | New Port Richey | 34654 | 1,181 | 0 | 0 | 187 |
| Denham Oaks Elementary School | 1 | 14220 Oak Grove Blvd | Lutz | 33548 | 292 | 292 | 5,840 | |
| Denham Oaks Elementary School | 2 | 14220 Oak Grove Blvd | Lutz | 33548 | 478 | 478 | 9,560 | |
| Denham Oaks Elementary School | 3 | 14220 Oak Grove Blvd | Lutz | 33548 | 184 | 184 | 3,680 | |
| Denham Oaks Elementary School | 5 | 14220 Oak Grove Blvd | Lutz | 33548 | 244 | 244 | 4,480 | |
| Denham Oaks Elementary School | 6 | 14220 Oak Grove Blvd | Lutz | 33548 | 430 | 430 | 8,600 | |
| Denham Oaks Elementary School | 7 | 14220 Oak Grove Blvd | Lutz | 33548 | 260 | 260 | 5,200 | |
| Gulf High School | | 5355 School Road | New Port Richey | 34652 | 1,595 | 0 | 0 | 1,595 |
| Hudson High School | | 14410 Cobra Way | Hudson | 34669 | 3143 | 0 | 0 | 3,225 |
| Hudson High School | | 14410 Cobra Way | Hudson | 34669 | 82 | 0 | 0 | |
| Lacoochee Elementary School | 11 | 38815 Cummer Road | Lacoochee | 33525 | 138 | 158 | 3,160 | 751 |
| Lacoochee Elementary School | 12 | 38815 Cummer Road | Lacoochee | 33525 | 503 | 503 | 10,060 | |
| Lacoochee Elementary School | 13 | 38815 Cummer Road | Lacoochee | 33525 | 110 | 158 | 3,160 | |
| Northwest Elementary School | | 14302 Cobra Way | Hudson | 34669 | 1,403 | 0 | 0 | 1,403 |
| Pasco High School | 16 | 36850 SR 52 | Dade City | 33525 | 204 | 204 | 4,080 | 610 |
| Pasco High School | 17 | 36850 SR 52 | Dade City | 33525 | 296 | 296 | 5,920 | |
| Pasco High School | 18 | 36850 SR 52 | Dade City | 33525 | 110 | 110 | 2,200 | |
| Pineview Middle School | 1 | 5334 Parkway Boulevard | Land O'Lakes | 34639 | 617 | 0 | 0 | 770 |
| Pineview Middle School | 5 | 5334 Parkway Boulevard | Land O'Lakes | 34639 | 173 | 173 | 3,460 | |
| Raymond B. Stewart Middle School | 9A | 38505 Tenth Avenue | Zephyrhills | 33540 | 112 | 122 | 2,440 | 364 |
| Raymond B. Stewart Middle School | 10 | 38505 Tenth Avenue | Zephyrhills | 33540 | 375 | 242 | 4,840 | |
| River Ridge Middle/High School | 1 | 11646 Town Center Road | New Port Richey | 34654 | 240 | 240 | 4,800 | 3,507 |
| River Ridge Middle/High School | 2 | 11646 Town Center Road | New Port Richey | 34654 | 527 | 527 | 10,540 | |
| River Ridge Middle/High School | 3 | 11646 Town Center Road | New Port Richey | 34654 | 874 | 824 | 16,480 | |
| River Ridge Middle/High School | 4 | 11646 Town Center Road | New Port Richey | 34654 | 468 | 468 | 9,360 | |
| River Ridge Middle/High School | 5 | 11646 Town Center Road | New Port Richey | 34654 | 401 | 401 | 8,020 | |

## County Shelter Information

| PASCO | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496)[1] | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| River Ridge Middle/High School | 23-1st fl | 11646 Town Center Road | New Port Richey | 34654 | 333 | 333 | 13,320 | |
| River Ridge Middle/High School | 23-2nd | 11646 Town Center Road | New Port Richey | 34654 | 666 | 600 | 12,000 | |
| River Ridge Middle/High School | 24 | 11646 Town Center Road | New Port Richey | 34654 | 102 | 0 | 0 | 0 |
| River Ridge Middle/High School | 31 | 11646 Town Center Road | New Port Richey | 34654 | 295 | 295 | 5,900 | |
| Saint Leo University | 3 | 33701 SR 52 | St Leo | 33525 | 353 | 0 | 0 | 2,823 |
| Saint Leo University | | 33701 SR 52 | St Leo | 33525 | 349 | 349 | 6,980 | |
| Saint Leo University | 17 | 33701 SR 52 | St Leo | 33525 | 340 | 0 | 0 | |
| Saint Leo University | 19 | 33701 SR 52 | St Leo | 33525 | 161 | 161 | 3,220 | |
| Saint Leo University | 22 | 33701 SR 52 | St Leo | 33525 | 0 | 0 | 0 | |
| Saint Leo University | 24 | 33701 SR 52 | St Leo | 33525 | 168 | 168 | 3,360 | |
| Seven Springs Middle School | C | 2441 Little Road | New Port Richey | 34654 | 1,180 | 1,180 | 23,600 | |
| Shady Hills Elementary School | | 18000 Shady Hills Road | Spring Hill | 34610 | 1,869 | 0 | 0 | 1,869 |
| Thomas Weightman Middle School | 2 | 30649 Wells Road | Zephyrhills | 33544 | 28 | 541 | 10,820 | 1,526 |
| Thomas Weightman Middle School | 2 | 30649 Wells Road | Zephyrhills | 33544 | 150 | 150 | 6,000 | |
| Thomas Weightman Middle School | 3 | 30649 Wells Road | Zephyrhills | 33544 | 425 | 137 | 2,740 | |
| Thomas Weightman Middle School | 4 | 30649 Wells Road | Zephyrhills | 33544 | 28 | 548 | 10,960 | |
| Thomas Weightman Middle School | 5 | 30649 Wells Road | Zephyrhills | 33544 | 130 | 293 | 5,860 | |
| Thomas Weightman Middle School | 6 | 30649 Wells Road | Zephyrhills | 33544 | 28 | 379 | 7,580 | |
| Thomas Weightman Middle School | 8 | 30649 Wells Road | Zephyrhills | 33544 | 28 | 548 | 10,960 | |
| Trinity ES | | 2209 Duck Slough Blvd | New Port Richey | 34654 | 1170 | 1,170 | 23,400 | |
| Wesley Chapel High School | 1 | 30651 Wells Road | Wesley Chapel | 33544 | 252 | 102 | 2,040 | |
| Wesley Chapel High School | 1 | 30651 Wells Road | Wesley Chapel | 33544 | 150 | 150 | 6,000 | |
| Wesley Chapel High School | 2 | 30651 Wells Road | Wesley Chapel | 33544 | 1228 | 1,228 | 24,560 | |
| Wesley Chapel High School | 3 | 30651 Wells Road | Wesley Chapel | 33544 | 1143 | 1,143 | 22,860 | |
| Wesley Chapel High School | 5 | 30651 Wells Road | Wesley Chapel | 33544 | 370 | 370 | 7,400 | |
| Wesley Chapel High School | | 30651 Wells Road | Wesley Chapel | 33544 | 387 | 387 | 7,740 | |
| Zephyrhills High School | 11 | 6335 12 Street | Zephyrhills | 33540 | 117 | 117 | 2,340 | 1,740 |
| Zephyrhills High School | 1 | 6335 12 Street | Zephyrhills | 33540 | 3623 | 3,623 | 72,600 | |
| Zephyrhills High School | 1 | 6335 12 Street | Zephyrhills | 33540 | 176 | 176 | 7,040 | |
| Pineview Elementary School | | 5333 Parkway Blvd | Land O'Lakes | 33549 | 1227 | 0 | 0 | |
| Schrader Elementary School | | 11041 Little Rd | New Port Richey | 34654 | 850 | 850 | 17,000 | 850 |
| | | | TOTALS FOR PASCO COUNTY | | 39,855 | 23,413 | 487,120 | 22,965 |

## County Shelter Information

| PASCO | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496)[1] | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Year 2004 | | Shelter Capacity in People | Shelter Demand in People | Surplus/ Deficit in | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
| Storm Category 4 | | 23,413 | 62,024 | -38,612 | 487,120 | 1,240,480 | -753,360 | DEFICIT |
| Storm Category 5 | | 23,413 | 63,866 | -40,454 | 487,120 | 1,277,320 | -790,200 | DEFICIT |

## County Shelter Information

| PINELLAS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496)[1] | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Anona United Methodist | | 13233 Indian Rocks Road | Largo | 33774 | 500 | 0 | 0 | 500 |
| Azalea Elementary | | 1680 74 Street North | St Petersburg | 33710 | 1,133 | 0 | 0 | 1,065 |
| Azalea Middle School | | 7855 22 Avenue | St Petersburg | 33710 | 651 | 0 | 0 | 348 |
| Bardmoor Elementary School | | 8900 Greenbrier Road | Largo | 33777 | 875 | 700 | 14,000 | 105 |
| Bauder Elementary School | 1 | 12755 86 Avenue North | Seminole | 33776 | 470 | 670 | 13,400 | 336 |
| Boca Ciega High School | | 934 58 Street South | Gulfport | 33707 | 1,551 | 0 | 0 | 1,040 |
| Boca Ciega High School | | 934 58 Street South | Gulfport | 33707 | | 0 | 0 | |
| Brooker Creek E S | 4 | | | | | 342 | 6,840 | |
| Brooker Creek E S | 5 | | | | | 342 | 6,840 | |
| Calvary Baptist Church | | 331 Cleveland Street | Clearwater | 34615 | 1,000 | 0 | 0 | 1,000 |
| Carwise Middle School | 4 & 5 | 3301 Bentley Drive | Palm Harbor | 34684 | 2,523 | 2,400 | 48,000 | 1,593 |
| Carwise Middle School | | 3301 Bentley Drive | Palm Harbor | 34684 | | 0 | 0 | |
| Clearview Elementary School | | 3815 43 Street North | St Petersburg | 33714 | 480 | 0 | 0 | 480 |
| Clearwater High School | | 540 Hercules Avenue | Clearwater | 34624 | 901 | 0 | 0 | 493 |
| Coachman Fundamental | | 2235 Coachman Road | Clearwater | 33765 | 206 | 0 | 0 | 147 |
| Countryside High School | 6 | 300 McMullen Booth | Clearwater | 33781 | 4,219 | 250 | 10,000 | 1,626 |
| Curlew Creek Elementary School | | 3030 Curlew Road | Palm Harbor | 34684 | 357 | 0 | 0 | 290 |
| Dixie Hollins High School | | 4940 62 Street North | St Petersburg | 33709 | 1,103 | 0 | 0 | 740 |
| Doug Jamerson ES | 4&5 | 2350 22 Ave S | St Petersburg | 33714 | 736 | 736 | 14,710 | |
| Dunedin MS | All | 896 Union St | Dunedin | 34698 | 2500 | 2,500 | 50,000 | |
| East Lake High School | 2,3,5,9 | 1300 Silver Eagle Drive | Tarpon Springs | 34689 | 2,246 | 2,225 | 44,500 | 1,452 |
| Eisenhower Elementary | 1 | 2800 Drew Street | Clearwater | 34619 | 1,642 | 0 | 0 | 614 |
| Fairmont Park Elementary School | 4&5 | 4100 5TH Ave S | St Petersburg | 33711 | 736 | 736 | 14,710 | |
| Fairmont Park Elementary School | | 575 41 Street South | St Petersburg | 33711 | 373 | 0 | 0 | 373 |
| First Baptist Church | | 500 Wood Street | Dunedin | 34698 | 430 | 0 | 0 | 430 |
| First Baptist Church of Safety Harbor | | 525 14 Avenue South | Safety Harbor | 34695 | 500 | 0 | 0 | 500 |
| First United Methodist Church | | 545 East Tarpon Avenue | Tarpon Springs | 34689 | 500 | 0 | 0 | 500 |
| Gibbs High School | | 850 34 Street South | St Petersburg | 33711 | 1,876 | 0 | 0 | 1,268 |
| Hamilton Disston School | | 5125 11 Avenue South | Gulfport | 33707 | 698 | 0 | 0 | 569 |
| Holy Trinity Greek | | 409 Old Coachman | Clearwater | 33761 | 620 | 0 | 0 | 620 |
| John Hopkins Middle School | 5&6 | 701 16 Street South | St Petersburg | 33705 | 1,410 | 2,400 | 48,000 | 703 |
| Kennedy Middle School | 1 | 1660 Palmetto Street | Clearwater | 33755 | 868 | 1,900 | 38,000 | 868 |
| Lakewood High School | | 1400 54 Avenue South | St Petersburg | 33700 | 2,172 | 0 | 0 | 629 |
| Largo High School | 11 | 410 N Missouri Avenue | Largo | 33770 | 1,665 | 700 | 14,000 | 1,665 |

## County Shelter Information

| PINELLAS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496)* | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Largo Middle School | 8,9,10,11 | 115 8 Avenue SE | Largo | 33771 | 2,390 | 1,565 | 31,300 | 1,751 |
| Lealman Elementary School | | 4001 58 Avenue North | St Petersburg | 33714 | 798 | 0 | 0 | 798 |
| Leila Davis Elementary School | | 2630 Landmark Drive | Clearwater | 34621 | 1,902 | 0 | 0 | 1,206 |
| McMullen Booth E S | 4 | | | | | 342 | 6,840 | |
| McMullen Booth E S | 5 | | | | | 342 | 6,840 | |
| Meadowlawn Middle School | | 5900 16 Street North | St Petersburg | 33703 | 786 | 0 | 0 | 546 |
| Meadowlawn Middle School | | 5900 16 Street North | St Petersburg | 33703 | 2500 | 2,500 | 50,000 | |
| Mildred Helms Elementary School | | 561 S Clw/Largo Road | Largo | 33770 | 718 | 0 | 0 | 718 |
| Mt. Vernon Elementary School | | 4629 13 Avenue North | St Petersburg | 33713 | 362 | 0 | 0 | 323 |
| Nina Harris ECC | | 6000 70 Avenue North | Pinellas Park | 33771 | 1,298 | 0 | 0 | 483 |
| Northeast High School | | 1717 54 Avenue North | St Petersburg | 33714 | 1,979 | 0 | 0 | 1,336 |
| Northside Baptist Church | | 6000 38 Avenue North | St Petersburg | 33710 | 1,325 | 0 | 0 | 1,325 |
| Northwest Elementary School | | 5601 22 Avenue North | St Petersburg | 33710 | 535 | 0 | 0 | 535 |
| Oak Grove Middle School | | 1370 S Belcher Road | Clearwater | 33764 | 1,382 | 0 | 0 | 1,382 |
| Oakhurst Elementary School | | 10525 N 137th Street | Seminole | 33774 | 623 | 0 | 0 | 623 |
| Palm Harbor Elementary School | | 415 15 Street | Palm Harbor | 34683 | 656 | 0 | 0 | 656 |
| Palm Harbor Middle School | 4 &5 | 1800 SR 584 | Palm Harbor | 34683 | 1,820 | 1,820 | 36,400 | 629 |
| Palm Harbor University HS | 1 & 5 | 1900 Omaha Street | Palm Harbor | 34683 | 2,050 | 2,050 | 41,000 | 1,128 |
| Paul B. Stephens | | 2929 CR 193 | Clearwater | 33759 | 582 | 0 | 0 | 582 |
| Pinellas Central Elementary School | | 10501 Street North | Pinellas Park | 33771 | 668 | 0 | 0 | 438 |
| Pinellas Park High School | 1 | 6305 118 Avenue North | Pinellas Park | 33771 | 3,177 | 2,075 | 41,500 | 1,120 |
| Pinellas Technical Education Center | | 901 34 Street South | St Petersburg | 33711 | 2,136 | 0 | 0 | 1,602 |
| Safety Harbor M. S. ) | (2,3,4,5, 6,7,9,11, 12,14 & 15 | 125 7 Street North | Safety Harbor | 34695 | 2,378 | 2,500 | 50,000 | 580 |
| Sanderlin ES | 4&5 | 1200 37 St S | St Petersburg | 33712 | 736 | 736 | 14,710 | |
| Sandy Lane Elementary School | | 1360 Sandy Lane | Clearwater | 33755 | 1,350 | 0 | 0 | 1,350 |
| Seminole Elementary School | | 10950 74 Avenue North | Largo | 33777 | 816 | 0 | 0 | 816 |
| Seminole High School | | 8401 131 Street North | Seminole | 33776 | 2,073 | 0 | 0 | 2,073 |
| Seminole Library | | 9199 113th Street North | Largo | 33770 | 13 | 0 | 0 | |
| Seminole Middle School | 1 & 13 | 8701 131st Street North | Seminole | 33776 | 1,436 | 1,436 | 28,720 | 742 |
| Seminole Recreation Center | | 9100 113 Street North | Seminole | 33772 | 685 | 0 | 0 | 390 |

## County Shelter Information

| PINELLAS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496)* | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Sexton ES | 4 & 5 | | | | | 684 | 13,680 | |
| Southside Fundnamental Middle School | | 1701 10 Street South | St Petersburg | 33705 | 786 | 0 | 0 | 346 |
| St. Nicholas Catholic Church | | 136 N Pinellas Avenue | Tarpon Springs | 34689 | 350 | 0 | 0 | 350 |
| St. Paul Christian Life Center | | 1498 Rosery Road | Largo | 33770 | 1,455 | 0 | 0 | 1,455 |
| St. Petersburg High School | 4 & 5 | 2501 5th Avenue North | St Petersburg | 33713 | 1,804 | 1,755 | 35,100 | 1,524 |
| Tarpon Springs Middle School | 4 & 5 | 500 N Florida Avenue | Tarpon Springs | 34689 | 1,654 | 1,820 | 36,400 | 454 |
| Trinity Presbyterian Church | | 2001 Rainbow Drive | Clearwater | 33765 | 400 | 0 | 0 | 400 |
| Tyrone Middle School | | 6421 22 Avenue North | St Petersburg | 33710 | 253 | 0 | 0 | 253 |
| Westgate Elementary School | | 3560 58 Street North | St Petersburg | 33710 | 993 | 0 | 0 | 993 |
| TOTALS FOR PINELLAS COUNTY | | | | | 79,810 | 35,526 | 715,490 | 48,861 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4 | 35,526 | 123,727 | -88,201 | 710,520 | 2,474,540 | -1,764,020 | DEFICIT |
| Storm Category 5 | 35,526 | 129,053 | -93,527 | 715,490 | 2,581,060 | -1,865,570 | DEFICIT |

## County Shelter Information

| POLK | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Alta Vista Elementary School | | 801 S Scenic Highway | Haines City | 33844 | 655 | 0 | 0 | 164 |
| Auburndale High School | | 1 Bloodhound Trail | Auburndale | 33823 | 2,577 | 0 | 0 | 644 |
| Bartow Adult Day Care Center | center | | | | | 0 | 0 | |
| Bartow Family Health Care Center | | 5 Brice Boulevard | Bartow | 33830 | 0 | 0 | 0 | 0 |
| Bartow Middle School | | 550 E Clover Street | Bartow | 33830 | 988 | 0 | 0 | 247 |
| Bartow Senior High School | | 1270 S Broadway | Bartow | 33830 | 444 | 0 | 0 | 110 |
| Blake Elementary School | | 510 Hartsell Avenue | Lakeland | 33801 | 810 | 0 | 0 | 203 |
| Boone Middle School | | 225 S 22nd Street | Haines City | 33844 | 455 | 0 | 0 | 114 |
| Caldwell Elementary School | | 141 Dairy Road | Auburndale | 33823 | 455 | 0 | 0 | 110 |
| Churchwell Elementary School | | 8201 Park Byrd Road | Lakeland | 33809 | 1,037 | 0 | 0 | 259 |
| Crystal Lake Middle School | | 2410 N Crystal Lake Drive | Lakeland | 33802 | 1,038 | 0 | 0 | 260 |
| Davenport Elementary School | | 8 Palmetto Street | Davenport | 33837 | 80 | 0 | 0 | 20 |
| Denison Middle School | | 400 Avenue A SE | Winter Haven | 33880 | 556 | 0 | 0 | 139 |
| Dr. N.E. Roberts Elementary | 2,4,6 | | | | | 2,237 | 44,744 | |
| Eastside Elementary School | | 1820 E Johnson Avenue | Haines City | 33844 | 375 | 0 | 0 | 94 |
| Frostproof Elementary School | | 113 W 3rd Street | Frostproof | 33843 | 1,882 | 0 | 0 | 456 |
| Frostproof Junior/Senior High School | | 1000 N Palm Avenue | Frostproof | 33843 | 855 | 0 | 0 | 214 |
| Ft. Meade Junior/Senior High School | | 700 Edgewood Drive | Ft. Meade | 33841 | 545 | 0 | 0 | 136 |
| George Jenkins High School | | 6000 Lakeland Highlands Rd | Lakeland | 33813 | 1,435 | 0 | 0 | 359 |
| Haines City Adult Day Care Center | center | | | | | 0 | 0 | |
| Haines City High School | 1 | 2800 Hornet Drive | Haines City | 33844 | 1,050 | 0 | 0 | 263 |
| Haines City High School | 3 | 2800 Hornet Drive | Haines City | 33844 | | 0 | 0 | |
| Haines City High School | 6 | 2800 Hornet Drive | Haines City | 33844 | | 0 | 0 | |
| Haines City High School | 7 | 2800 Hornet Drive | Haines City | 33844 | | 0 | 0 | |
| Haines City High School | 18 | 2800 Hornet Drive | Haines City | 33844 | | 0 | 0 | |
| Haines City High School | cafeteria | 2800 Hornet Drive | Haines City | 33844 | 904 | 904 | 18,089 | |
| James Stephens Elementary School | | 1350 N Maple Street | Bartow | 33830 | 1,500 | 0 | 0 | 375 |
| Jewett Academy | | 601 Avenue T NE | Winter Haven | 33881 | 303 | 1,745 | 34,917 | 76 |
| Karen Siegel Academy | cafeteria | SR 557 | Lake Alfred | 33850 | 30 | 30 | 1,503 | |
| Kathleen High School | | 2600 N Crutchfield Road | Lakeland | 33809 | 934 | 0 | 0 | 234 |
| Kathleen Middle School | | 3627 Kathleen Pine Road | Lakeland | 33810 | 131 | 0 | 0 | 35 |
| Lake Alfred Elementary School | | 550 E Cummings Street | Lake Alfred | 33850 | 570 | 0 | 0 | 143 |
| Lake Gibson High School | | 7007 N Socrum Loop | Lakeland | 33809 | 1,471 | 0 | 0 | 368 |
| Lake Gibson High School | | 7007 N Socrum Loop | Lakeland | 33809 | 1,471 | 0 | 0 | 368 |
| Lake Gibson Middle School | | 6901 N Socrum Loop | Lakeland | 33809 | 1,218 | 0 | 0 | 305 |

## County Shelter Information

| POLK | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Lake Region High School | 1 | 1995 Thunder Road | Eagle Lake | 33839 | | 0 | 0 | |
| Lake Region High School | 2 | 1995 Thunder Road | Eagle Lake | 33839 | | 473 | 9,460 | |
| Lake Region High School | 3 | 1995 Thunder Road | Eagle Lake | 33839 | | 514 | 10,280 | |
| Lake Region High School | 4 | 1995 Thunder Road | Eagle Lake | 33839 | | 568 | 11,360 | |
| Lake Wales High School | | 1009 N 6th Street | Lake Wales | 33853 | 939 | 0 | 0 | 235 |
| Lakeland High School | | 726 Hollingsworth Road | Lakeland | 33801 | 1,793 | 0 | 0 | 448 |
| Lakeland Highlands Middle School | | 740 Lake Miriam Drive | Lakeland | 33813 | 773 | 0 | 0 | 193 |
| Lewis Elementary School | | 115 S Oak Avenue | Ft. Meade | 33841 | 645 | 0 | 0 | 161 |
| Lime Street Elementary School | | 1225 E Lime Street | Lakeland | 33801 | 492 | 0 | 0 | 123 |
| McLaughlin Middle School | | 800 S 4th Street | Lake Wales | 33853 | 162 | 0 | 0 | 41 |
| Mulberry High School | | NE Fourth Circle | Mulberry | 33860 | 1,155 | 0 | 0 | 289 |
| Mulberry Middle School | | 300 SE 9th Avenue | Mulberry | 33860 | 165 | 0 | 0 | 41 |
| Padgett Elementary School | | 110 Leelon Street | Lakeland | 33809 | 340 | 0 | 0 | 85 |
| Polk City Elementary School | | 125 S Bougenvilla Avenue | Polk City | 33868 | 100 | 0 | 0 | 25 |
| R.B. Wagner Elementary | 2,4,6 | | | | | 2,237 | 44,744 | |
| Ridgeview Elementary | 2 | | | | | 643 | 8,800 | |
| Ridgeview Global Studies Academy | 2,6 | 1000 Dunson Rd. | Davenport | 33837 | 1,232 | 589 | 11,792 | |
| Rochelle School of Arts | | 1501 MLK Avenue | Lakeland | 33805 | 158 | 0 | 0 | 40 |
| Roosevelt Vocational | | 115 E Street | Lake Wales | 33853 | 204 | 0 | 0 | 51 |
| Sandhill Elementary | 2,6 | 1801 Tyner Rd. | Haines City | 33844 | 1,232 | 589 | 11,792 | |
| Sandhill Elementary | 2 | 1801 Tyner Rd. | Haines City | 33844 | | 643 | 8,800 | |
| Scott Lake Elementary School | | 1140 SR 540A | Lakeland | 33813 | 1,193 | 0 | 0 | 298 |
| Southwest Middle School | | 2815 S Eden Parkway | Lakeland | 33803 | 379 | 0 | 0 | 95 |
| Stambaugh Middle School | 1 | 226 N Bartow Road | Auburndale | 33823 | 1,232 | 0 | 0 | 308 |
| Stambaugh Middle School | 3 | 226 N Bartow Road | Auburndale | 33823 | | 0 | 0 | |
| Stambaugh Middle School | 8 | 226 N Bartow Road | Auburndale | 33823 | | 0 | 0 | |
| Westwood Middle School | | 3520 Avenue J NW | Winter Haven | 33881 | 1,082 | 0 | 0 | 271 |
| Winter Haven High School | | 600 6th Street SE | Winter Haven | 33880 | 845 | 0 | 0 | 211 |
| | | | TOTALS FOR POLK COUNTY | | 37,896 | 11,172 | 216,281 | 5,611 |

| Year 2004 | Shelter Capacity in People | Shelter Demand in People | Surplus/ Deficit in People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|

## County Shelter Information

| POLK | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Storm Category 4/5 | | 11,172 | 41,840 | -30,668 | 216,281 | 836,800 | -620,519 | DEFICIT |

## County Shelter Information

| PUTNAM | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Browning-Pearce Elementary School | 4 | 100 Beer Boulevard | San Mateo | 32187 | 400 | 400 | 8,000 | |
| Crescent City High School | | 2201 S Highway 17 | Crescent City | 32112 | 1,063 | 0 | 0 | |
| Interlachen High School | | 126 N SR 315 | Interlachen | 32148 | 1,063 | 0 | 0 | |
| Jenkins Middle School | | 1100 N 19th Street | Palatka | 32177 | 600 | 0 | 0 | |
| Ochwilla School | 4 | 299 N SR 21 | Melrose | N/A | 325 | 325 | 6,500 | |
| Middleton Burney Elementary School | | 1020 Huntington Road | Crescent City | 32112 | 250 | 0 | 0 | |
| Palatka High School | | 302 Mellon Road | Palatka | 32177 | 1,000 | 0 | 0 | |
| Price Martin Community Center | | 220 N 11th Street | Palatka | 32177 | 249 | 0 | 0 | |
| Q I Roberts MS | | SR100 | | | | 1,300 | 26,000 | |
| Kelly Smith Elementary School | | 141 Kelly Smith Road | Palatka | 32177 | 1,072 | 0 | 0 | |
| | | | TOTALS FOR PUTNAM COUNTY | | 6,022 | 2,025 | 40,500 | 0 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 2,025 | 9,487 | -7,462 | 40,500 | 189,740 | -149,240 | DEFICIT |

## County Shelter Information

| ST. JOHNS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Allen Nease High School | | 10550 Ray Road | St. Augustine | n/a | 400 | 0 | 0 | 800 |
| Bartram Trail High School | Gym | 2050 Roberts Road | Jacksonville | n/a | 250 | 500 | 20,320 | 0 |
| Cunningham Creek Elementary School | | 1205 Roberts Road | St. Augustine | 32259 | 400 | 1,200 | 24,000 | 0 |
| Durbin Creek Elementary | 1 | 3810 Race Track Road | Jacksonville | 32259 | 200 | 400 | 15,000 | |
| First Coast Technical Institute | C | 2980 Collins Avenue | St. Augustine | n/a | 125 | 220 | 9,000 | |
| Fruit Cove Elementary | Gym | | St. Augustine | | | 500 | 20,320 | |
| Gamble Rogers Middle School | | 6250 US 1 South | St. Augustine | 32086 | 400 | 0 | 0 | 0 |
| Hartley Elementary School | | 260 Riveria Boulevard | St. Augustine | 32086 | 167 | 0 | 0 | 335 |
| Hastings Community Center | Aud | | | | | 400 | 16,000 | |
| Julington Creek Elementary | | 2316 Racetrack Road | St. Augustine | n/a | 300 | 0 | 0 | 600 |
| Mill Creek Elementary School | | 3750 Nine Mile Road | St. Augustine | 32092 | 400 | 1,200 | 24,000 | 0 |
| Murray Middle School | | 150 N. Holmes Blvd | St. Augustine | n/a | 94 | 0 | 0 | 189 |
| Osceola Elementary School | | 655 SR 207 | St. Augustine | 32095 | 400 | 1,200 | 24,000 | 0 |
| Otis Mason Elementary School | | SR 207 & I-95 | St. Augustine | 32086 | 400 | 1,200 | 24,000 | 0 |
| Pedro Menendez High School | Gym | 600 SR-206 West | St. Augustine | n/a | 250 | 500 | 20,320 | 0 |
| Sebastian Middle School | | 2955 Lewis Speedway | St. Augustine | n/a | 400 | 0 | 0 | 800 |
| St. Augustine High School | | 3205 Varella Avenue | St. Augustine | n/a | 400 | 0 | 0 | 800 |
| St. Johns County Agricultural Center | | 3125 Agricultural Center Dr | St. Augustine | 32092 | 110 | 0 | 0 | |
| Switzerland Point Middle School | | 146 N Orange Street | St. Augustine | 32095 | 400 | 0 | 0 | 0 |
| Webster Elementary | | 420 North Orange Street | St. Augustine | n/a | 40 | 0 | 0 | 80 |
| TOTALS FOR ST. JOHNS COUNTY | | | | | 5,136 | 7,320 | 196,960 | 3,604 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus / Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 7,320 | 9829 | -2,509 | 196,960 | 196580 | 380 | DEFICIT |

## County Shelter Information

| ST. LUCIE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Bayshore Elementary School | 1 | 1661 SW Bayshore Blvd | Port St. Lucie | 34984 | 100 | 220 | 4,400 | 150 |
| C.A. Moore Elementary School | Café | 827 N 29th Street | Ft. Pierce | 34947 | 0 | 412 | 8,240 | 0 |
| Dale Cassins School | | 1901 S 11th Street | Ft. Pierce | 34947 | 100 | 0 | 0 | 0 |
| Fairlawn Elementary School | | 1900 S 33rd Street | Ft. Pierce | 34947 | 100 | 0 | 0 | 100 |
| Forest Grove Middle School | | 1501 SE Floresta Drive | Port St. Lucie | 34983 | 0 | 0 | 0 | 0 |
| Foresta Elementary School | 1 | 3201 S 25th Street | Ft. Pierce | 34950 | 100 | 411 | 8,220 | 100 |
| Frances K. Sweet Elementary School | | 1400 Avenue Q | Ft. Pierce | 34950 | 120 | 0 | 0 | 120 |
| Ft. Pierce Central High School | | 1101 Edwards Road | Ft. Pierce | 34982 | 100 | 0 | 0 | 100 |
| Lakewood Park Elementary School | 1 | 7800 Indrio Road | Ft. Pierce | 34951 | 150 | 215 | 4,300 | 200 |
| Lincoln Park Academy | | 1806 Avenue | Ft. Pierce | 34950 | 100 | 0 | 0 | 100 |
| Manatee Elementary School | 1 | 1450 SW Heatherwood | Port St. Lucie | 34986 | 300 | 215 | 4,300 | 350 |
| Mariposa Elementary School | 1 | 2620 SE Maripose Avenue | Port St. Lucie | 34952 | 400 | 225 | 4,500 | 475 |
| Morningside Elementary School | 1 | 2300 SE Gowin Drive | Port St. Lucie | N/A | 160 | 215 | 4,300 | 200 |
| Northport Middle School | | 250 NW Floresta | Port St. Lucie | 34983 | 250 | 0 | 0 | 250 |
| Parkway Elementary School | 1 | 7000 NW Selvitz Road | Ft. Pierce | 34981 | 100 | 220 | 4,400 | 150 |
| Port St. Lucie Community Center | | 2195 SE Airoso Boulevard | Port St. Lucie | 34984 | 120 | 0 | 0 | 120 |
| Port St. Lucie High School | | 1201 SE Leennard Road | Port St. Lucie | 34952 | 150 | 0 | 0 | 150 |
| Savanna Ridge ES | café | 6801 Lennard Rd | Port St. Lucie | 34982 | 516 | 516 | 10,320 | |
| Southport Middle School | | 2420 SE Morningside | Port St. Lucie | 34952 | 100 | 0 | 0 | 100 |
| St. Lucie Civic Center | | 2300 Virginia Avenue | Ft. Pierce | 34950 | 0 | 0 | 0 | 500 |
| St. Lucie West Middle School | | 1001 SW Juliet Avenue | Port St. Lucie | 34986 | 450 | 0 | 0 | 450 |
| Village Green Elementary School | 1 | 1700 Lennard Road | Port St. Lucie | 34952 | 100 | 220 | 4,400 | 150 |
| Weatherbee ES | café | 800 E. Weatherbee Rd | Port St. Lucie | 34982 | 576 | 576 | 11,520 | |
| Westwood High School | 1 | 1801 Panther Lane | Ft. Pierce | 34947 | 500 | 632 | 12,640 | 500 |
| White City Elementary School | | 905 W 2nd Street | Ft. Pierce | 34982 | 50 | 0 | 0 | 50 |
| Windmill Point Elementary School | 1 | 700 Darwin Boulevard | Port St. Lucie | 34983 | 100 | 220 | 4,400 | 150 |
| TOTALS FOR ST. LUCIE COUNTY | | | | | 4,742 | 4,297 | 85,940 | 4,465 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 4,297 | 6,662 | -2,365 | 85,940 | 133,240 | -47,300 | DEFICIT |

## County Shelter Information

| SANTA ROSA | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Avalon Middle School | 37 | 5445 King Arthur's Way | Milton | 32583 | 2832 | 1,846 | 36,911 | 2832 |
| Dixon Intermediate School | 33 | 5540 Education Road | Pace | 32571 | 2,656 | 2,193 | 43,855 | 2,656 |
| King Middle School | | 5928 Stewart Street | Milton | 32570 | 1,717 | 0 | 0 | 1,717 |
| Milton High School | | 5445 NW Stewart Street | Milton | 32570 | 1,653 | 214 | 0 | 1,653 |
| Thomas L. Sims Middle School | 31 | 5500 Education Drive | Pace | 32571 | 2,567 | 1,898 | 25,329 | 2,567 |
| Berry Hill Elementary School | | 4900 Berry Hill Road | Milton | 32570 | 250 | 0 | 0 | 250 |
| City of Milton Community Center | | 5629 Byron | Milton | 32570 | 612 | 1,000 | 20,000 | |
| Milton Disaster Center | | | | | | 0 | 0 | |
| TOTALS FOR SANTA ROSA COUNTY | | | | | 12,287 | 7,151 | 126,095 | 11,675 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Results |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 7,151 | 8,957 | -1,806 | 126,095 | 179,140 | -53,045 | DEFICIT |

## County Shelter Information

| Sarasota | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not yet Surveyed) |
| Alta Vista Elementary School | | 1050 South Euclid Avenue | Sarasota | 34237 | 310 | 0 | 0 | |
| ARC Chapter | | 2001 Cantu Court | Sarasota | 34232 | 200 | 0 | 0 | 200 |
| Ashton Elementary School | 2 | 5101 Aston Road | Sarasota | 34223 | 793 | 793 | 13,900 | |
| Ashton Elementary School | 1 | 5101 Aston Road | Sarasota | 34223 | 844 | 844 | 16,880 | |
| Booker Elementary School | 6 | 2350 Martin Luther King Way | Sarasota | 34234 | | 0 | 0 | 544 |
| Booker High School | | 3201 N Orange Avenue | Sarasota | 34234 | 469 | 0 | 0 | 460 |
| Booker Middle School | 6 | 2250 Myrtle Street | Sarasota | 34234 | 475 | 475 | 9,500 | |
| Booker Middle School | 7 | 2250 Myrtle Street | Sarasota | 34234 | 400 | 400 | 8,000 | |
| Brookside Middle School | 4 | 3636 S Shade Avenue | Sarasota | 34293 | 2,189 | 1,459 | 7,100 | |
| Brookside Middle School | 5 | 3636 S Shade Avenue | Sarasota | 34293 | | 730 | 3,500 | |
| Church of Jesus Christ - Latter Day Saints | | 7001 Beneva Road | Sarasota | 34231 | 105 | 0 | 0 | |
| Church of the Incarnation | | 2927 Bee Ridge Road | Sarasota | 34239 | 204 | 0 | 0 | |
| Emma Booker Elementary School | | 2350 MLK Jr. Way | Sarasota | 34234 | 960 | 0 | 0 | 544 |
| Englewood United Methodist Church | | 700 East Dearborn Street | Sarasota | 34223 | 450 | 0 | 0 | |
| Fruitville Elementary School | | 601 Honore Avenue | Sarasota | 34232 | 1,797 | 0 | 0 | |
| Garden Elementary School | 1 | 700 Center Road | Venice | 34293 | 750 | 750 | 15,000 | |
| Glennallen Elementary | #1, Sec 400 | 7050 Glenallen Boulevard | North Port | 34287 | 1221 | 428 | 8,078 | |
| Glennallen Elementary | #1, Sec300 | 7050 Glenallen Boulevard | North Port | 34287 | | 428 | 8,547 | |
| Gocio Elementary School | 3 | 3450 Gocio Road | Sarasota | 34235 | 2,075 | 0 | 0 | |
| Gocio Elementary School | 5 | 3450 Gocio Road | Sarasota | 34235 | | 0 | 0 | |
| Gulf Gate Elementary School | Several | 6500 Lockwood Ridge Rd | Sarasota | 34231 | 2,113 | 2,470 | 49,000 | |
| Gulf Gate Elementary School | Cafeteria | 6500 Lockwood Ridge Rd | Sarasota | 34231 | | 270 | 5,338 | |
| Lakeview Elementary School | #1, Sec 300 | 7299 Proctor Road | Sarasota | 34241 | 1,404 | 428 | 8,547 | |
| Lakeview Elementary School | #1, Sec 400 | 7299 Proctor Road | Sarasota | 34241 | | 404 | 8,078 | |
| Lakeview Elementary School | #1, Sec 500 | 7299 Proctor Road | Sarasota | 34241 | | 398 | 7,949 | |
| Laurel Middle School | 4 | 1900 East Laurel Road | Laurel | 34275 | 850 | 0 | 0 | 1,202 |
| Laurel Middle School | 6 | 1900 East Laurel Road | Laurel | 34275 | | 0 | 0 | |
| McIntosh Middle School | | 701 S McIntosh Road | Sarasota | 34232 | 2,590 | 0 | 0 | 500 |
| North Port Glenallen Elementary School | | 7050 Glenallen Boulevard | North Port | 34287 | 1,100 | 0 | 0 | |
| North Port Toledo Blade | | 1201 Geranium Avenue | North Port | 34287 | 1,650 | 0 | 0 | 830 |
| North Porth High School | Several | 6400 West Price Blvd | North Port | 34287 | 5,036 | 5,036 | 154,395 | |
| Oak Park School | 2A | 7285 Proctor Road | Sarasota | 34241 | | 210 | 8,407 | 1,597 |

## County Shelter Information

| Sarasota | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not yet Surveyed) |
| Oak Park School | 2B | 7285 Proctor Road | Sarasota | 34241 | | 166 | 6,655 | |
| Oak Park School | 3A | 7285 Proctor Road | Sarasota | 34241 | | 253 | 10,125 | |
| Oak Park School | 3B | 7285 Proctor Road | Sarasota | 34241 | | 226 | 9,056 | |
| Oak Park School | 4 | 7285 Proctor Road | Sarasota | 34241 | | 162 | 6,480 | |
| Pineview School | 1 | 501 Old Venice Road | Osprey | 34229 | 1,932 | 325 | 6,507 | 1,932 |
| Pineview School | 2 | 501 Old Venice Road | Osprey | 34229 | | 290 | 5,426 | |
| Pineview School | 3 | 501 Old Venice Road | Osprey | 34229 | | 0 | 0 | |
| Pineview School | 4 | 501 Old Venice Road | Osprey | 34229 | | 0 | 0 | |
| Pineview School | 8 | 501 Old Venice Road | Osprey | 34229 | | 0 | 0 | |
| Pineview School | 10 | 501 Old Venice Road | Osprey | 34229 | | 0 | 0 | |
| Pineview School | 11 | 501 Old Venice Road | Osprey | 34229 | | 350 | 6,814 | |
| Pineview School | 12 | 501 Old Venice Road | Osprey | 34229 | | 0 | 0 | |
| Riverview High School | | 1 Ram Way | Sarasota | 34231 | 500 | 0 | 0 | |
| San Pedro Catholic Church | | 14380 Tamiami Trail | Sarasota | 34224 | 350 | 0 | 0 | |
| Sarasota County Technical Center | | 4748 Beneva Road | Sarasota | 34233 | 300 | 0 | 0 | 300 |
| Sarasota Family YMCA | | 1075 S Tuttle Avenue | Sarasota | 34297 | 615 | 0 | 0 | |
| Sarasota High School | 13 | 1000 South School Avenue | Sarasota | 34237 | 2,803 | 2,828 | 56,551 | |
| Sarasota High School | 14 | 1000 South School Avenue | Sarasota | 34237 | | 2,505 | 50,094 | |
| Sarasota Middle School | 4 | 4826 Ashton Road | Sarasota | 34233 | | 350 | 7,012 | |
| Sarasota Middle School | 6 | 4826 Ashton Road | Sarasota | 34233 | | 464 | 9,265 | |
| Sarasota Middle School | 7 | 4826 Ashton Road | Sarasota | 34233 | | 389 | 7,780 | |
| Sarasota Middle School | 8 | 4826 Ashton Road | Sarasota | 34233 | 389 | 0 | 0 | |
| Sarasota Middle School | 9 | 4826 Ashton Road | Sarasota | 34233 | 237 | 0 | 0 | |
| Sarasota Middle School | 10 | 4826 Ashton Road | Sarasota | 34233 | 237 | 0 | 0 | |
| Sarasota Middle School | 11 | 4826 Ashton Road | Sarasota | 34233 | 237 | 0 | 0 | |
| Sudakoff Conference Center, USF | | 5700 North Tamiami Trail | Sarasota | 34234 | 400 | 0 | 0 | |
| Taylor Ranch Elementary School | 1 | 2500 Taylor Ranch Road | Venice | 34293 | 322 | 0 | 0 | |
| Taylor Ranch Elementary School | 4 | 2500 Taylor Ranch Road | Venice | 34293 | 165 | 0 | 0 | |
| Taylor Ranch Elementary School | 5 | 2500 Taylor Ranch Road | Venice | 34293 | | 251 | 5,033 | |
| Taylor Ranch Elementary School | 6 | 2500 Taylor Ranch Road | Venice | 34293 | | 416 | 8,320 | |
| The Tabernacle | | 4141 Desoto Road | Sarasota | 34235 | 300 | 0 | 0 | 300 |
| Toledo Blade ES | 1 | 1201 Geranium Avenue | North Port | 34287 | | 320 | 6,400 | |
| Toledo Blade ES | 3 | 1201 Geranium Avenue | North Port | 34287 | | 199 | 3,978 | |
| Toledo Blade ES | 4 | 1201 Geranium Avenue | North Port | 34287 | | 306 | 6,125 | |

## County Shelter Information

| Sarasota | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not yet Surveyed) |
| Toledo Blade ES | 5 | 1201 Geranium Avenue | North Port | 34287 | | 425 | 8,500 | |
| Toledo Blade ES | 6 | 1201 Geranium Avenue | North Port | 34287 | | 416 | 8,320 | |
| Toledo Blade ES | 7 | 1201 Geranium Avenue | North Port | 34287 | | 306 | 6,125 | |
| Toledo Blade ES | 10 | 1201 Geranium Avenue | North Port | 34287 | | 322 | 6,400 | |
| Tuttle Elementary School | 1&2 | 925 N Brink Avenue | Sarasota | 34237 | | 3,493 | 69,868 | |
| Venice Area Middle School | | 1900 Center Road | Venice | 34293 | 800 | 0 | 0 | 600 |
| Venice United Church of Christ | | 620 Shamrock Blvd | Venice | 34293 | 220 | 0 | 0 | |
| Wilkinson Elementary School | | 3400 Wilkinson Road | Sarasota | 34231 | 1,612 | 0 | 0 | 276 |
| | | | Totals for Sarasota County | | 39,404 | 30,286 | 643,053 | 9,285 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 30,286 | 49,040 | -18,754 | 643,053 | 980,800 | -337,747 | DEFICIT |

## County Shelter Information

| SEMINOLE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| English Estates Elementary School | 100 | 299 Oxford Road | Fern Park | 32370 | | 500 | 21,277 | |
| Bentley Elementary | 1 | 2190 Oregon Avenue | Sanford | 32771 | | 100 | 2,000 | |
| Geneva Elementary School | 4 | 275 1st Street | Geneva | 32372 | | 500 | 5,426 | |
| Highlands Elementary School | 1 | 1600 Shepard Road | Winter Springs | 32708 | 500 | 212 | 8,479 | |
| John Evans Elementary | 1 | 141 Academy Drive | Oviedo | 32765 | 500 | 424 | 8,479 | |
| Lake Brantley High School | 6,7, &8 | 991 Sand Lake Road | Altamonte Springs | 32714 | | 0 | 0 | |
| Lake Mary High School | Gym/Café | 655 Longwood/Lake Mary Rd | Lake Mary | 32746 | 2,000 | 1,169 | 23,388 | |
| Lawton Chiles Elem School | 4&5` | 3225 Lockwood Boulevard | Oviedo | 32765 | 1,000 | 1,000 | 13,046 | |
| Lyman High School | 7 | 865 CR 427 South | Longwood | 32750 | 2,000 | 2,198 | 43,952 | |
| Winter Springs High School | 5 | 130 Tuskawilla Road | Winter Springs | 32708 | | 873 | 17,460 | |
| Winter Springs High School | 6 | 130 Tuskawilla Road | Winter Springs | 32708 | | 873 | 17,460 | |
| Millenium MS | 3&5 | | | | 2,000 | 648 | 12,961 | |
| | | | | TOTALS FOR SEMINOLE COUNTY | 8,000 | 8,497 | 173,928 | 0 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus / Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 8,497 | 3,405 | 5,092 | 173,928 | 68,100 | 105,828 | SURPLUS |

## County Shelter Information

| SUMTER | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Bushnell Community Center | | Highway 301& Belt Avenue | Bushnell | 33513 | 60 | 0 | 0 | 100 |
| Bushnell Elementary School | | 218 W Flannery | Bushnell | 33513 | 125 | 0 | 0 | 125 |
| Croom Road Baptist Church | | 12016 CR 681 | Webster | 33597 | 100 | 0 | 0 | 100 |
| DAV Building | | CR 489 | Lk Panasoffkee | 33538 | 200 | 0 | 0 | 200 |
| First Baptist Church of Oxford | | Creek Road & Highway 301 | Oxford | 34484 | 250 | 0 | 0 | 250 |
| Grant Lake Baptist Church | | 1444 CR 478 A | Webster | 33597 | 140 | 0 | 0 | 140 |
| Lake Panasoffkee Elementary School | | 790 CR 482 North | Lk Panasoffkee | 33538 | 100 | 0 | 0 | 100 |
| Lake Panasoffkee First Baptist Church | | 802 CR 470 | Lk Panasoffkee | 33538 | 100 | 0 | 0 | 100 |
| Lake Panasoffkee United Methodist Church | | 589 North CR 470 | Lk Panasoffkee | 33538 | 100 | 0 | 0 | 100 |
| North Sumter Intermediate School | 18 | 300 East Huey Street | Wildwood | 34785 | 125 | 178 | 3,560 | 150 |
| North Sumter Primary School | 18 | 104 North Warfield Street | Wildwood | 34785 | 125 | 178 | 3,560 | 125 |
| South Sumter High School | | 7060 N Main St/SR 475 | Bushnell | 33513 | 450 | 0 | 0 | 450 |
| South Sumter Middle School | | 733 NW 10th Avenue | Webster | 33597 | 250 | 0 | 0 | 250 |
| VFW | | CR 476B | Nobleton | 34661 | 100 | 0 | 0 | 100 |
| Villages Middle School | | 450 Village Campus/CR 466 | Villages | 32162 | 200 | 200 | 4,000 | 0 |
| Webster Elementary School | 14 | 349 South Market Blvd | Webster | 33597 | 150 | 138 | 2,760 | 150 |
| Wildwood Community Center | 1 | 700 Huey Street | Wildwood | 34785 | 150 | 477 | 9,540 | 81 |
| Wildwood High School | | 700 Huey Street | Wildwood | 34785 | 450 | 0 | 0 | 450 |
| Wildwood Middle School | | 200 Cleveland Street | Wildwood | 34785 | 250 | 0 | 0 | 200 |
| | | | | TOTALS FOR SUMTER COUNTY | 3,425 | 1,171 | 23,420 | 3,171 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 1,171 | 7,919 | -6,748 | 23,420 | 158,380 | -134,960 | DEFICIT |

## County Shelter Information

| SUWANNEE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Assembly of God Church | | 26471 SR 247 | Branford | 32008 | 75 | 0 | 0 | |
| Branford Community Center | | Jenkins Ave (Hatch Park) | Branford | 32008 | 100 | 0 | 0 | |
| Branford Elementary School | | 26801 SR 247 | Branford | 32008 | 400 | 0 | 0 | |
| Branford High School | | Governor's Street | Branford | 32008 | 200 | 0 | 0 | |
| Church of Jesus Christ of Latter Day Saints | | 1310 Irvin Avenue SW | Live Oak | 32060 | 300 | 0 | 0 | |
| First Advent Christian Church | | 699 Pinewood Way | Live Oak | 32060 | 100 | 0 | 0 | |
| First Baptist Church of Branford | | 503 Suwannee Avenue | Branford | 32008 | 150 | 0 | 0 | |
| First Baptist Church of Live Oak | | 401 Howard Street West | Live Oak | 32060 | 300 | 0 | 0 | |
| First Presbyterian Church | | 421 White Avenue | Live Oak | 32060 | 100 | 0 | 0 | |
| First United Methodist Church | | 311 Ohio Avenue South | Live Oak | 32060 | 300 | 0 | 0 | |
| Live Oak Church of God | | 9828 US 129 | Live Oak | 32060 | 150 | 0 | 0 | |
| Mt. Olive Baptist Church | | 5314 98th Terrace | Wellborn | 32094 | 75 | 0 | 0 | |
| North Florida Christian Center | | 21670 West Shekinah Place | BObrien | 32071 | 75 | 0 | 0 | |
| St. Francis Xavier Church | | 928 Howard Street East | Live Oak | 32060 | 200 | 0 | 0 | |
| St. Luke Episcopal Church | | 1391 Eleventh Street SW | Live Oak | 32060 | 200 | 0 | 0 | |
| San Juan Mission Church | | 304 Plant Avenue SE | Branford | 32008 | 75 | 0 | 0 | |
| Suwannee Elementary School | | 405 S Walker Street | Live Oak | 32060 | 500 | 0 | 0 | |
| Suwannee Elementary School East | 361/001 | Pinewood Drive | Live Oak | 32060 | 600 | 203 | 4,067 | |
| Suwannee Elementary School West | 361/004 | Pinewood Drive | Live Oak | 32060 | 300 | 152 | 3,042 | |
| Suwannee High School | | 500 S Pine Street | Live Oak | 32060 | 1,400 | 0 | 0 | |
| Suwannee Middle School | | 800 S Walker Street | Live Oak | 32060 | 700 | 0 | 0 | |
| Suwannee Vocational School | | 205 Pinewood Way | Live Oak | N/A | 400 | 0 | 0 | |
| Wellborn Mt. Olive Baptist Church | | 220 First Avenue | Wellborn | 32094 | 100 | 0 | 0 | |
| | | | | TOTALS FOR SUWANNEE COUNTY | 6,600 | 355 | 7,109 | 0 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 355 | 4,461 | -4,106 | 7,109 | 89,220 | -82,111 | DEFICIT |

## County Shelter Information

| TAYLOR | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity In People | Total Risk Capacity In People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity In People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Elks Lodge | | Woods Creek Road | Perry | 32348 | 250 | 0 | 0 | 100 |
| Fellowship Baptist Church | | 305 Puckett Road | Perry | 32348 | 70 | 0 | 0 | 70 |
| Forest Capital Hall | | 203 Forest Park Dr | Perry | 32349 | 350 | | | |
| Mormon Church | | 1st Avenue | Steinhatchee | 32359 | 40 | 0 | 0 | 40 |
| Perry Primary School | | 400 North Clark Street | Perry | 32348 | 275 | 0 | 0 | 275 |
| Steinhatchee School | | 900 Johnson-Stripping Rd | Perry | 32348 | 70 | 0 | 0 | 70 |
| Taylor County High School | | 601 E. Lafayette Street | Perry | 32348 | 375 | 0 | 0 | 375 |
| Taylor County Middle School | | 1209 1st Avenue SE | Steinhatchee | 32359 | 265 | 0 | 0 | 265 |
| Taylor Vocational School | | 3233 S US Highway 19 | Perry | 32348 | 200 | 0 | 0 | 200 |
| Covenant Christian Fellowship Church | | 6050 Pucket Rd | Perry | 32348 | 80 | | | |
| Taylor County Elementary (NEW) | 3,4,5,6 | 1600 East Green Street | Perry | 32347 | 300 | 600 | 24,000 | |
| | | | | TOTALS FOR TAYLOR COUNTY | 2,275 | 600 | 24,000 | 1,395 |

| Year 2004 | Shelter Capacity In People | Shelter Demand In People | Surplus/ Deficit In People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 600 | 2281 | -1,681 | 24,000 | 45620 | -21,620 | DEFICIT |

## County Shelter Information

| UNION | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Lake Butler Elementary School | | 800 SW 6th Street | Lake Butler | 32054 | 400 | 0 | 0 | 0 |
| Lake Butler High School | | 1000 S Lake Avenue | Lake Butler | 32054 | 1,000 | 1,000 | 20,000 | 0 |
| Lake Butler High School Gym | | 850 S Lake Avenue | Lake Butler | 32054 | 200 | 0 | 0 | 0 |
| Lake Butler High School Physical Ed Bldg | | 150 SW 6th Street | Lake Butler | 32054 | 424 | 60 | 3,200 | 0 |
| Lake Butler Middle School | | 120 SW 6th Street | Lake Butler | 32054 | 150 | 824 | 16,480 | 150 |
| Lake Butler Middle School Gym | | 801 S Lake Avenue | Lake Butler | 32054 | 50 | 0 | 0 | 50 |
| Lake Butler Agricultural Center Building | | Hwy 231 South | Lake Butler | 32054 | 30 | 0 | 0 | 0 |
| NFRC-DOC Training Building | | Hwy 238 West | Providence | 32083 | 30 | 0 | 0 | 30 |
| Providence Community Center | | Hwy 121 North | Raiford | 32054 | 75 | 0 | 0 | 75 |
| Raiford Community Center | | Hwy 121/16 | Raiford | 32054 | 50 | 0 | 0 | 0 |
| UCI-DOC Training Buliding | | Hwy 121 South | Worthington | 32697 | 50 | 0 | 0 | 50 |
| TOTALS FOR UNION COUNTY | | | | | 2,489 | 1,884 | 39,680 | 355 |

| Year 2004 | Shelter Capacity in People | Shelter Demand in People | Surplus/ Deficit in People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Results |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 1,884 | 1210 | 674 | 39,680 | 24200 | 15,480 | SURPLUS |

## County Shelter Information

| VOLUSIA | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Atlantic High School | 1250 | 1250 Reed Canal | Port Orange | 32171 | 424 | 424 | 16,960 | |
| Blue Lake Elementary School | | 282 North Blue Lake Ave | DeLand | 32724 | 249 | 249 | 4,980 | 249 |
| Creekside Middle School | 6901 | 6801 Airport Road | Port Orange | 32171 | 397 | 397 | 15,880 | |
| Daytona Beach Community College East | 16 | 1200 West Intl Speedway | Daytona Beach | 32114 | 322 | 322 | 6,440 | 0 |
| Daytona Beach Community College West | 16 | 1155 County Road 4139 | DeLand | 32724 | 145 | 145 | 2,900 | 0 |
| DeBary Elementary School | 88 | 88 W Highbanks Road | DeBary | 32713 | 313 | 313 | 6,260 | 0 |
| DeLand High School | 800 | 800 N Hill Avenue | DeLand | 32724 | 800 | 628 | 12,560 | 0 |
| DeLand Middle School | | 1400 S Aquarius Avenue | DeLand | 32724 | 792 | 792 | 15,840 | 2,376 |
| Deltona Lakes Elementary School | | 2022 Adelia Boulevard | Deltona | 32728 | 274 | 152 | 3,040 | 274 |
| Discovery Elementary School | | 975 Abigail Drive | Deltona | 32725 | 252 | 207 | 4,140 | 252 |
| Forest Lake Elementary School | 1600 | 1600 Doyle Road | Deltona | 32725 | 250 | 250 | 5,000 | 0 |
| Freedom Elementray School | 1395 | 1395 South Blue Lake | DeLand | 32724 | 127 | 127 | 5,080 | |
| Friendship Elementary School | | 2746 Fulford Street | Deltona | 32725 | 255 | 409 | 8,180 | 255 |
| Galaxy Middle School | 2 &10 | 2400 Eustace Avenue | Deltona | 32725 | 416 | 1,060 | 25,760 | |
| Heritage Middle Schol | 1001 | 1001 Parnell Court | Deltona | 32725 | 397 | 397 | 15,880 | |
| Horizon Elementary School | 4751 | 4751 Hidden Lake Drive | Port Orange | 32127 | 251 | 126 | 5,020 | 0 |
| James Park Youth Action Center | | 1700 James Street | South Daytona | 32111 | 80 | 80 | 1,600 | 0 |
| Osteen Elementary School | | Doyle Road | Osteen | 32764 | 249 | 137 | 2,740 | 249 |
| Palm Terrace Elementary School | 1825 | 1825 Dunn Avenue | Daytona Beach | 32124 | 330 | 330 | 6,600 | |
| Pathways Elementary School | 2100 | 2100 Airport Road | Ormond Beach | 32714 | 250 | 250 | 5,000 | 0 |
| Piggotte Center | | 504 Big Tree Road | South Daytona | 32111 | 100 | 100 | 2,000 | 0 |
| Pine Ridge High School | | 925 Howland Boulevard | Deltona | 32725 | 848 | 327 | 6,540 | 848 |
| Pine Trail Elementray School | | 300 Airport Road | Ormond Beach | 32714 | 254 | 0 | 0 | 254 |
| Port Orange YMCA | 4701-PE | 4701 City Center Pkwy | Port Orange | 32127 | 325 | 200 | 4,000 | 0 |
| Port Orange YMCA | 4701-Day | 4701 City Center Pkwy | Port Orange | 32127 | | 125 | 2,500 | 0 |
| Sunrise Elementary School | | 3155 Phonetia Drive | Deltona | 32725 | 255 | 274 | 5,480 | 255 |
| Sweetwater Elementary School | 5800 | 5800 Victoria Gardens | Port Orange | 32127 | 250 | 250 | 5,000 | 0 |
| Timbercrest Elementary School | 2401 | 2401 Eustace Avenue | Deltona | 32725 | 255 | 255 | 5,100 | 0 |
| Volusia county Fairground | Tommy Lawr | 3150 E. NY Ave | Deland | 32724 | 250 | 250 | 0 | 250 |
| Volusia Pines Elementray School | 500 | 500 Kicklighter Road | Lake Helen | 32744 | 250 | 250 | 5,000 | 0 |
| TOTALS FOR VOLUSIA COUNTY | | | | | 9,360 | 8,826 | 205,480 | 5,262 |

## County Shelter Information

| VOLUSIA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Year 2004 | Shelter Capacity in People | Shelter Demand in People | Surplus/ Deficit in People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
| Storm Category 4/5 | 8,826 | 30,193 | -21,368 | 205,480 | 603,860 | -398,380 | DEFICIT |

## County Shelter Information

| WAKULLA | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Crawforville Elementary School | 200 | 69 Aaron Road | Crawfordville | 32327 | 400 | 650 | 13,000 | 200 |
| Medart Elementary School | | 2558 Coastal Highway | Crawfordville | 32327 | 400 | 0 | 0 | 300 |
| Mormon Church | | US Highway 319 South | Crawfordville | 32327 | 100 | 0 | 0 | 100 |
| River of Life | | 10 Faith Ave | Sopchoppy | 32358 | 150 | | | |
| Ochlockonee Bay United Methodist Church | | 45 Warrior Way | Crawfordville | 32327 | 0 | 0 | 0 | 125 |
| Shadeville Elementary School | | 3237 Coastal Highway | Crawfordville | 32327 | 350 | 0 | 0 | 0 |
| Sopchoppy School | | Surf Road | Panacea | 32346 | 200 | 0 | 0 | 200 |
| Wakulla County High School | | 164 Yellow Jacket Avenue | Sopchoppy | 32358 | 290 | 0 | 0 | 290 |
| | | | | TOTALS FOR WAKULLA COUNTY | 1,890 | 650 | 13,000 | 1,215 |

| Year 2004 | Shelter Capacity in People | Shelter Demand in People | Surplus/ Deficit in People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 650 | 757 | -107 | 13,000 | 15,140 | -2,140 | DEFICIT |

## County Shelter Information

| WALTON | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| DeFuniak Springs Civic Center | | 361 N 10th Street | DeFuniak Springs | 32433 | 1,000 | 0 | 0 | 286 |
| Freeport Community Center | | 16040 US Hwy 331 South | Freeport | 32439 | 100 | 0 | 0 | 0 |
| Freeport High School | | 380 Kylea Laird Drive | Freeport | 32439 | 2,080 | 2,080 | 41,600 | 0 |
| Maude Saunders Elementary School | | 416 John Baldwin Road | DeFuniak Springs | 32433 | 500 | 0 | 0 | 454 |
| Paxton High School | | 21893 US Hwy 331 North | Laurel Hill | 32567 | 250 | 0 | 0 | 581 |
| Van R Butler | | 6694 W County Hwy 30-A | Santa Rosa Bch | 32459 | 0 | 0 | 0 | 0 |
| Walton High School | | 555 Walton Road | DeFuniak Springs | 32433 | 500 | 0 | 0 | 667 |
| Walton Middle School | | 625 Park Avenue | DeFuniak Springs | 32435 | 450 | 225 | 9,000 | 0 |
| West DeFuniak Elementary School | | 815 Lincoln Avenue | DeFuniak Springs | 32435 | 0 | 0 | 0 | 0 |
| South Walton High School | | 645 Greenway Trail | Santa Rosa Bch | | | 2,080 | 41,600 | |
| DeFuniak Springs Civic Center | | 361 N 10th Street | DeFuniak Springs | 32433 | | 0 | 0 | 96 |
| | | | | | | 0 | 0 | |
| Childrens Home Community Center | | | | | 60 | 60 | 1,200 | |
| | | | | TOTALS FOR WALTON COUNTY: | 4,940 | 4,445 | 93,400 | 2,084 |

| Year 2004 | Shelter Capacity in People | Shelter Demand in People | Surplus/ Deficit in People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 4,445 | 4,861 | -416 | 93,400 | 97,220 | -3,820 | DEFICIT |

## County Shelter Information

| WASHINGTON | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Name | Bldg. # | Address | City | Zip | Host Capacity in People | Total Risk Capacity in People (Meets ARC 4496) | Total Risk Capacity ($ft^2$) (Meets ARC 4496) | Risk Capacity in People (Does not Meet ARC 4496 or Not Yet Surveyed) |
| Chipley High School | corridors | 680 2nd Street | Chipley | 32428 | 800 | 0 | 0 | 100 |
| Chipley High School/Rouhlac Middle School | | 1535 Brickyard Road | Chipley | 32428 | 1,358 | 0 | 0 | 356 |
| Chipley High School/Rouhlac Middle School | 8 | 1535 Brickyard Road | Chipley | 32428 | | 153 | 3,076 | |
| Chipley High School/Rouhlac Middle School | 7 | 1535 Brickyard Road | Chipley | 32428 | | 161 | 3,231 | |
| Chipley High School/Rouhlac Middle School | 6 | 1535 Brickyard Road | Chipley | 32428 | | 453 | 9,059 | |
| Chipley High School/Rouhlac Middle School | 5 | 1535 Brickyard Road | Chipley | 32428 | | 153 | 3,076 | |
| Chipley High School/Rouhlac Middle School | 2 | 1535 Brickyard Road | Chipley | 32428 | | 244 | 4,893 | |
| Vernon Middle School | | 3206 Moss Hill Road | Vernon | 32462 | 1,436 | 0 | 0 | 232 |
| Vernon Middle School | 2 | 3206 Moss Hill Road | Vernon | 32462 | | 208 | 4,161 | |
| Vernon Middle School | 3 | 3206 Moss Hill Road | Vernon | 32462 | | 404 | 8,092 | |
| Vernon Middle School | 4 | 3206 Moss Hill Road | Vernon | 32462 | | 301 | 6,023 | |
| Vernon Middle School | 5 | 3206 Moss Hill Road | Vernon | 32462 | | 279 | 5,592 | |
| Vernon High School | | 1 Yellow Jacker Drive | Vernon | 32462 | 550 | 0 | 0 | 0 |
| Washington County Ag Center | | 800 W Washington Avenue | Chipley | 32428 | 410 | 0 | 0 | 0 |
| | | | | TOTALS FOR WASHINGTON COUNTY: | 4,554 | 2,356 | 47,203 | 688 |

| Year 2004 | Shelter Capacity in People | Shelter Demand in People | Surplus/ Deficit in People | Shelter Capacity (ft2) | Shelter Demand (ft2) | Surplus/ Deficit (ft2) | Result |
|---|---|---|---|---|---|---|---|
| Storm Category 4/5 | 2,356 | 1568 | 788 | 47,203 | 31360 | 15,843 | SURPLUS |

# Appendix B:
## §423.25 Public Shelter Design Criteria

§423.25 Public Shelter Design Criteria.

§423.25.1 New Facilities. New educational facilities for school boards and community college boards, unless specifically exempted by the board with the written concurrence of the applicable local emergency management agency or the Department of Community Affairs (DCA), shall have appropriate core facility areas designed as Enhanced Hurricane Protection Areas (EHPAs) in compliance with this section.

EXCEPTION: Facilities located, or proposed to be located, in a category 1, 2, or 3 evacuation zone shall not be subject to these requirements.

§423.25.1.1 Enhanced Hurricane Protection Areas (EHPA). The EHPA areas shall provide emergency shelter and protection for people for a period of up to 8 hours during a hurricane.

§423.25.1.1.1 The EHPA criteria apply only to the specific portions of (K-12) and community college educational facilities that are designated as EHPAs.

§423.25.1.2 The EHPAs and related spaces shall serve the primary educational or auxiliary use during non-shelter occupancy.

§423.25.2 Site. Factors such as low evacuation demand, size, location, accessibility, and storm surge may be considered by the board, with written concurrence of the local emergency management agency or the DCA, in exempting a particular facility.

§423.25.2.1 Emergency Access. EHPAs shall have at least one route for emergency vehicle access. The emergency route shall be above the 100-year floodplain. This requirement may be waived by the board, with concurrence of the local emergency management agency or the DCA.

§423.25.2.2 Landscaping. Landscaping around the EHPA shall be designed to preserve safety and emergency access. Trees shall not conflict with the functioning of overhead or underground utility lines, or cause laydown or impact hazard to the building envelope.

§423.25.2.3 Parking. During an emergency condition, vehicle parking shall be prohibited within 50 feet of an EHPA. Designated EHPA parking areas may be unpaved.

§423.25.2.4 Signage. Floor plans of the facility, indicating EHPAs, shall be mounted in the emergency manager's office/area.

§423.25.3 Design. EHPAs may be above or below ground and may have more than one story, provided the design satisfies the wind load and missile impact criteria. Modular and open-plan buildings may serve as EHPAs provided the design satisfies the wind load and missile impact criteria.

§423.25.3.1 Excluded Spaces. Spaces such as mechanical and electrical rooms, storage rooms, open corridors, kitchens, science rooms and labs, vocational shop areas and labs, computer rooms, attic and crawl spaces, shall not be used as EHPAs.

§423.25.3.2 Capacity. Fifty percent of the net square feet of a designated educational facility shall be constructed as EHPAs. The net square feet shall be determined by subtracting from the gross square feet those spaces such as mechanical and electrical rooms, storage rooms, open corridors, kitchens, science rooms and labs, vocational shop areas and labs, computer rooms, attic and crawl spaces that shall not be used as EHPAs. The board, with concurrence of the applicable local emergency management agency or DCA, may adjust this requirement if it is determined to be in its best interest. The capacity of an EHPA shall be calculated at 20 square feet per occupant (adults and children five years or older).

§423.25.3.3 Toilets. Toilet and hand washing facilities should be located within the EHPAs and provided at one toilet and one sink per 40 occupants. These required toilet and hand washing facilities are not in addition to those required for normal school occupancy and shall be included in the overall facility fixture count.

§423.25.3.3.1 Support systems for the toilets, e.g., bladders, portable toilets, water storage tanks, etc., shall be capable of supplying water and containing waste, for the designed capacity of the EHPAs.

§423.25.3.3.2 Plumbing and valve systems of "normal" toilets within the EHPAs may be designed for conversion to emergency operation to meet the required demand.

§423.25.3.4 Food Service. Where feasible, include counter tops for food distribution functions in the EHPAs.

§423.25.3.5 Manager's Office. An administration office normally used by a school administrator shall be identified as the EHPA manager's office and shall be located within the EHPA. The office shall have provisions for standby power, lighting, communications, main fire alarm control panel and storage for the manager's equipment.

§423.25.4 Structural Standard for Wind Loads. At a minimum, EHPAs shall be designed for wind loads in accordance with ASCE 7-98, "Minimum Design Loads for Buildings and Other Structures, Category III (Essential Buildings)." Openings shall withstand the impact of wind-borne debris missiles in accordance with the impact and cyclic loading criteria per SBC/SSTD 12-99. Based on a research document, "Emergency Shelter Design Criteria for Educational Facilities," 1993, by the University of Florida for the DOE, it is highly recommended by the Department that the shelter be designed using the map wind speed plus forty (40) mph, with an importance factor of 1.0.

§423.25.4.1 Missile Impact Criteria. The building enclosure, including walls, roofs, glazed openings, louvers, and doors, shall not be perforated or penetrated by a flying object. For walls and roofs, the missile criteria is as provided in SBC/SSTD 12-99.

§423.25.4.1.1 Materials used for walls, roofs, windows, louvers, and doors shall be certified for resistance to missile impact criteria.

§423.25.4.1.2 The glazed openings or permanent protective systems over glazed openings shall be designed for cyclic loading.

§423.25.4.2 Roofs. Roof decks shall be cast-in-place 4-inch, or more, normal weight concrete. Concrete decks shall be waterproof. Systems other than cast-in-place concrete shall have adequate bearing, anchorage against wind uplift, diaphragm action, and resistance to rain that are equivalent to a cast-in-place system. Exception: Structural pre-cast concrete roofs, composite metal decks with normal weight concrete roofs, or other systems and materials that meet the wind load and missile impact criteria may be used.

§423.25.4.2.1 Light weight concrete or insulating concrete may be used on roof decks of EHPAs provided the roof decks are at least 4-inch cast-in-place normal weight concrete or other structural systems of equivalent strength.

§423.25.4.2.2 Roof openings (e.g., HVAC fans, ducts, skylights) shall be designed to meet the wind load and missile impact criteria.

§423.25.4.2.3 Roof coverings shall be specified and designed according to the latest ASTM and Factory Mutual Standards for materials and wind uplift forces. Roofs shall be inspected by a licensed engineer/architect and a representative of the roofing manufacturer.

§423.25.4.2.4 Roofs shall have adequate slope and drains sized for normal use and shall have emergency overflow scuppers which will accommodate a 2 inch per hour rain for 6 hours.

§423.25.4.2.5 Parapets shall satisfy the wind load and missile impact criteria; roof overhangs shall resist uplift forces.

§423.25.4.3 Windows. All unprotected window assemblies and their anchoring systems shall be designed and installed to meet the wind load and missile impact criteria.

§423.25.4.3.1 Windows may be provided with permanent protective systems provided the protective system is designed and installed to meet the wind load and missile impact criteria and completely covers the window assembly and anchoring system.

§423.25.4.3.2 EHPAs without windows shall have mechanical ventilation systems.

§423.25.4.4 Doors. All exterior and interior doors subject to possible wind exposure and/or missile impact shall have doors, frames, anchoring devices, and vision panels designed and installed to resist the wind load and missile impact criteria or such doors, frames, anchoring devices, and vision panels shall be covered with permanent protective systems designed and installed to resist the wind load and missile impact criteria.

§423.25.4.5 Exterior Envelope. The exterior envelope, louvers over air intakes and vents, and gooseneck type intakes and vents of EHPAs shall be designed and installed to meet the wind load and missile impact criteria.

§423.25.4.5.1 HVAC equipment mounted on roofs and anchoring systems shall be designed and installed to meet the wind load criteria.

§423.25.4.5.2 Roof mounted HVAC equipment shall have a 12 inch high curb around the roof opening and be designed to prevent the entry of rain water.

§423.25.4.6 Foundations and Floor Slabs. Foundations shall be designed to resist all appropriate loads and load combinations, including overturning moments due to wind. The floor elevation and necessary life safety and other emergency support systems of EHPAs shall be elevated above the maximum storm surge inundation elevation associated with a category 4 hurricane event. Storm surge elevations shall be identified by the most current edition of the regional Sea Lake and Overland Surges from Hurricanes (SLOSH) studies and atlases.

§423.25.5 Electrical and Emergency Power System. The EHPA shall be provided with an emergency electrical power system which shall have an outlet for coupling a backup portable generator. Emergency power, per NFPA 70, Article 700, shall be provided for operation of emergency lights, exit signs, and fire alarm systems in the EHPA. The fire alarm panel shall be located in the EHPA manager's office. A remote annunciator panel shall be located in or adjacent to the school administrator's office. Where economically feasible, an equivalent photovoltaic system may be provided. When generators are installed, the facility shall include an enclosed area designed to protect the generators from winds and missile impact. Air intakes and exhausts shall be designed and installed to meet the wind load and missile impact criteria.

§423.25.5.1 EHPA Lighting. Standby lighting within the EHPAs, toilet rooms, and generator spaces should provide at least 10 footcandles of general illumination which can be reduced to 1/2 footcandle in the sleeping areas during the night.

§423.25.5.2 Standby Circuits. Selected ventilation fans, intercom system, and other standby circuits shall be connected to the standby power system per NFPA 70, Article 702 (optional standby circuits). The fire alarm, emergency lighting, and exit signs throughout the entire campus shall remain operational and shall receive first priority to the power provided by the facility's emergency power system per Article 700 of NFPA 70.

§423.25.5.3 Receptacle Outlets. A minimum of four electrical outlets, served with power from the standby circuits, shall be provided in the EHPA manager's office.

§423.25.6 Inspections. EHPAs shall be considered "threshold buildings" in accordance with Section 553.71(7), F.S., and shall comply with Sections 553.79(5), 553.79(7), and 553.79(8), F.S.

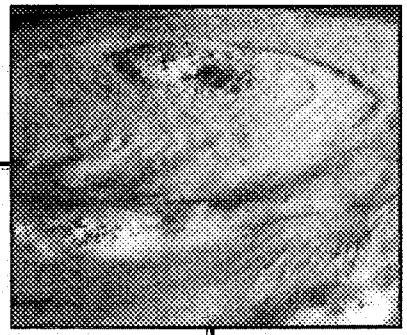
§423.25.6.1 Construction of EHPAs shall be inspected during the construction process by certified building code inspectors or the design architect/engineer(s) certified pursuant to Part XII Chapter 468 F.S. and threshold inspectors for compliance with applicable rules and laws.

§423.25.6.2 The emergency electrical systems shall be inspected during the construction process by certified electrical inspector or Florida registered professional engineers certified pursuant to Part XII Chapter 468 F.S. skilled in electrical design.

§423.25.6.3 EHPAs shall be inspected and recertified, for compliance with the structural requirements of this section, every 5 years by a Florida registered professional engineer skilled in structural design. If any structural system, as specified in this section, is damaged or replaced, the recertification shall be obtained prior to the beginning of the next hurricane season.

§423.25.6.4 All shutter systems, roofs, overflow scuppers, and structural systems of EHPAs shall be inspected and maintained annually prior to hurricane season and after a major event. All emergency generators shall be inspected under load conditions including activation of the fire alarms, emergency lights as per applicable equipment codes and NFPA standards, and including mechanical systems and receptacles connected to the emergency power.

Appendix C:
ARC 4496 - Standards for Hurricane
Evacuation Shelter Selection



# Standards for Hurricane Evacuation Shelter Selection

American Red Cross

*Together, we can save a life*

An interagency group comprised of the Federal Emergency Management Agency, the U.S. Army Corps of Engineers, the Environmental Protection Agency and Clemson University, has developed hurricane evacuation shelter selection standards. These standards reflect the application of technical data compiled in hurricane evacuation studies, other hazard information, and research findings related to wind loads and structural problems. These standards are supplemental to information contained in ARC 3041, *Mass Care: Preparedness and Operations* concerning shelter selection.

Planning considerations for hurricane evacuation shelters involve a number of factors and require close coordination with local officials responsible for public safety. Technical information contained in Hurricane Evacuation Studies, storm surge and flood mapping, and other data can now be used to make informed decisions about the suitability of shelters.

In the experience of the American Red Cross, the majority of people evacuating because of a hurricane threat generally provide for themselves or stay with friends and relatives. However, for those who do seek public shelter, safety from the hazards associated with hurricanes must be assured. These hazards include—

- Surge inundation.
- Rainfall flooding.
- High winds.
- Hazardous materials.

**The following standards address the risks associated with each of these hurricane-associated hazards.**

## Surge Inundation

In general, hurricane evacuation shelters should not be located in areas vulnerable to hurricane surge inundation. The National Weather Service has developed mathematical models, such as Sea, Lake, and Overland Surges from Hurricanes (SLOSH) and Special Program to List Amplitudes of Surges from Hurricanes (SPLASH), that are critical in determining the potential level of surge inundation in a given area.

- Carefully review inundation maps in order to locate all hurricane evacuation shelters outside of Category 4 storm surge inundation zones.
- Avoid buildings subject to isolation by surge inundation in favor of equally suitable buildings not subject to isolation. Confirm that ground elevations for all potential shelter facilities and access routes obtained from topographic maps are accurate.
- Do not locate hurricane evacuation shelters on barrier islands.

## Rainfall Flooding

Rainfall flooding must be considered in the hurricane evacuation shelter selection process. Riverine inundation areas shown on Flood Insurance Rate Maps (FIRMs), as prepared by the National Flood Insurance Program, should be reviewed. FIRMs should also be reviewed in locating shelters in inland counties.

- Locate hurricane evacuation shelters outside the 100-year floodplain.
- Avoid selecting hurricane evacuation shelters located within the 500-year floodplain.
- Avoid selecting hurricane evacuation shelters in areas likely to be isolated due to riverine inundation of roadways.
- Make sure a hurricane evacuation shelter's first floor elevation is on an equal or higher elevation than that of the base flood elevation level for the FIRM area.
- Consider the proximity of shelters to any dams and reservoirs to assess flow upon failure of containment following hurricane-related flooding.

## High Winds

Consideration of any facility for use as a hurricane evacuation shelter must take into account wind hazards. Both design and construction problems may preclude a facility from being used as a shelter. Local building codes are frequently inadequate for higher wind speeds.

- If possible, select buildings that a structural engineer has certified as being capable of withstanding wind loads according to **ASCE (American Society of Engineers) 7-98** or **ANSI (American National Standards Institute) A58 (1982)** structural design criteria. Buildings must be in compliance with all local building and fire codes.
- Failing a certification (see above), request a structural engineer to rank the proposed hurricane evacuation shelters based on his or her knowledge and the criteria contained in these guidelines.
- Avoid uncertified buildings of the following types:
  —Buildings with long or open roof spans longer than 40 feet.
  —Unreinforced masonry buildings.
  —Pre-engineered (steel pre-fabricated) buildings built before the mid-1980s.
  —Buildings that will be exposed to the full force of hurricane winds.
  —Buildings with flat roofs or built with lightweight materials.
- Give preference to the following:
  —Buildings with 10°-30° pitched, hipped roofs; or with heavy concrete roofs.
  —Buildings no more than 60 feet high.
  —Buildings in sheltered areas (protected from strong winds).
  —Buildings whose access routes are not tree-lined.

## Hazardous Materials

The possible impact from a spill or release of hazardous materials should be taken into account when considering any potential hurricane evacuation shelter.

All facilities manufacturing, using, or storing hazardous materials (in reportable quantities) are required to submit *Material Safety Data Sheets* (emergency and hazardous chemical inventory forms) to the Local Emergency Planning Committee (LEPC) and the local fire department. These sources can help you determine the suitability of a potential hurricane evacuation shelter or determine precautionary zones (safe distances) for facilities near potential shelters that manufacture, use or store hazardous materials.

- Facilities that store certain reportable types or quantities of hazardous materials may be inappropriate for use as hurricane evacuation shelters.
- Hurricane evacuation shelters should not be located within the ten-mile emergency planning zone (EPZ) of a nuclear power plant.
- Chapters must work with local emergency management officials to determine if hazardous materials present a concern for potential hurricane evacuation shelters.

## Interior Building Safety Criteria During Hurricane Conditions

Based on storm data (e.g., arrival of gale-force winds), determine a notification procedure with local emergency managers regarding when to move the shelter population to pre-determined safer areas within the facility. Consider the following:

- Do not use rooms attached to, or immediately adjacent to, unreinforced masonry walls or buildings.
- Do not use gymnasiums, auditoriums, or other large open areas with long roof spans (longer than 40 feet) during hurricane conditions.
- Avoid areas near glass unless an adequate shutter protects the glass surface. Assume that windows and the roof will be damaged and plan accordingly.
- Use interior corridors or rooms.
- In multi-story buildings, use only the lower floors (no higher than 60 feet) and avoid corner rooms.
- Avoid any wall section that has portable or modular classrooms in close proximity, if these are used in your community.
- Avoid basements if there is any chance of flooding.

## Least-Risk Decision Making

Safety is the primary consideration for the American Red Cross in selecting hurricane evacuation shelters. When anticipated demands for hurricane evacuation shelter spaces exceed existing capacity as defined by the preceding standards, there may be a need to utilize less preferred facilities. It is critical that shelter selection decisions be made carefully and in consultation with local emergency management and public safety officials. This process should include the following considerations:

- No hurricane evacuation shelter should be located in an evacuation zone for obvious safety reasons. All hurricane evacuation shelters should be located outside of Category 4 storm surge inundation zones. Certain exceptions may be necessary, but only if there is a high degree of confidence that the level of wind, rain, and surge activities will not surpass established shelter safety margins.
- When a potential hurricane evacuation shelter is located in a flood zone, it is important to consider its viability. By comparing elevations of sites with FIRMs, one can determine if the shelter and a major means of egress are in any danger of flooding. Zone AH (within the 100-year flood plain and puddling of 1-3 feet expected) necessitates a closer look at the use of a particular facility as a sheltering location. Zones B, C, and D may allow some flexibility. It is essential that elevations be carefully checked to avoid unnecessary problems.
- In the absence of certification or review by a structural engineer, any building selected for use as a hurricane evacuation shelter must be in compliance with all local building and fire codes. Certain exceptions may be necessary, but only after evaluation of each facility, using the aforementioned building safety criteria.
- The Red Cross uses the planning guideline of 40-square feet of space per shelter resident. During hurricane conditions, on a short-term basis, shelter space requirements may be reduced. Ideally, this requirement should be determined using no less than 15 square feet per person. Adequate space must be set aside for registration, health services, and safety and fire considerations. Disaster Health Services areas should still be planned using a 40-square feet per person calculation. On a long-term recovery basis, shelter space requirements should follow guidelines established in ARC 3041, *Mass Care: Preparedness and Operations*.

## Hurricane Evacuation Shelter Selection Process

General procedures for investigating the suitability of a building or facility for use as a hurricane evacuation shelter are as follows:

- Identify viable sites. Evacuation and transportation route models must be considered.
- Complete a risk assessment on each viable site. Gather all pertinent data from SLOSH and/or SPLASH (storm surge), FIRM (flood hazard) models; determine the facility base elevation; and obtain hazardous materials information and previous studies concerning each building's suitability.
- Have a structural engineer evaluate the facility and rate its ability to withstand wind loads according to ASCE 7-98 or ANSI A58 (1982) structural design criteria.
- Inspect the facility and complete a *Red Cross Facility Survey* (ARC Form 6564) and a *Self-Inspection Work Sheet/Off Premises Liability Checklist*, in accordance with ARC 3041. Note all potential liabilities and the type of construction. Consider the facility as a whole. One weak section may seriously jeopardize the integrity of the building.

## Increasing Shelter Inventory

An annual review of all approved hurricane evacuation shelters is required. Facility improvements, additions, or deterioration may change the suitability of a selected facility as a hurricane evacuation shelter. Facility enhancements may also enable previously unacceptable facilities to be used as hurricane evacuation shelters.

Work with officials, facility managers, and school districts on mitigation opportunities. Continue to advocate that the building program for new public buildings, such as schools, should include provisions to make them more resilient to possible wind damage. Suggest minor modifications of municipal, community, or school buildings, such as the addition of hurricane shutters, while buildings are being planned. Such modifications will make them useful as hurricane evacuation shelters.

Finally, add any new shelters to chapter shelter system and disaster response plans. Share shelter information with local emergency planning partners and the state lead chapter for Disaster Services for inclusion in state disaster response plans.

Appendix D:
Acronyms

# Acronyms
## Appendix D: Acronyms

**ARC –** American Red Cross

**ARC 3041-** American Red Cross publication : *Mass Care - Preparedness and Operations*

**ARC 4496 -** American Red Cross publication: *Standards for Hurricane Evacuation Shelter Selection*

**ASCE -** American Society of Civil Engineers

**ASCE 7 -** *Minimum Design Loads for Buildings and Other Structures*

**ASTM** - American Society for Testing and Materials

**ASTM E 1886 and E 1996** - ASTM standards for windborne debris impact

**DCA/DEM -** Department of Community Affairs/ Division of Emergency Management

**DOE -** Department of Energy

**DOE-STD-1020 –** U.S. Department of Energy- standard – Natural Phenomena Hazards Design and Evaluation Criteria
( http://tis.eh.doe.gov/techstds/standard/std1020/STD-10202002.pdf )

**EHPA -** Enhanced Hurricane Protection Area

**FBC -** Florida Building Code

**FEMA 361 –** *Design and Construction Guidance for Community Shelters* **-** Federal Emergency Management Agency Publicantion 361 **-** construction standard for "near-absolute protection" for tornado and hurricane shelters.
http://www.fema.gov/fima/fema361.shtm

**F.S.** – Florida Statutes

**HMG** - Hazard Management Group

**HMGP** - Hazard Mitigation Grant Program

**LEPC -** Local Emergency Planning Committee

## Acronyms (Continued)

**NHC** - National Hurricane Center

**NWS** - National Weather Service

**PC** – Performance Category (DOE-STD-1020)

**PDM** - Pre-Disaster Mitigation grant program

**PECO** - Public Education Construction Outlay

**PSN** – Persons with Special Needs

**RPC** - Regional Planning Council

**SIT** - School Infrastructure Thrift Award

**SLOSH** – Sea, Lake, and Overland Surges from Hurricanes

**SREF** - State Requirements for Educational Facilities

**SSTD 12** - Southern Building Code Congress International - Standard 12 - *Test Standards for Determining Resistance From Windborne Debris*

**TAS** - Testing Application Standard



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Appendix E:
Glossary

## Appendix E: Glossary

**Board:** Unless otherwise specified, means a district school board, a community college board of trustees, a university board of trustees. The term "board" does not include the State Board of Education.

**Core Area:** Portions of a facility with defined boundaries, barriers or partitions that have been designated for use during an emergency.

**Core Facilities:** Means the media center, cafeteria, toilet facilities, and circulation space of an educational plant.

**Educational Facilities:** Means the buildings and equipment, structures, and special educational use areas that are built, installed, or established to serve primarily the educational purposes and secondarily the social and recreational purposes of the community and which may lawfully be used as authorized by the Florida Statutes and approved by boards.

**Host Shelter**: A facility that is relatively safe and provides essential support services. Facilities are designated as Host Shelters when they are located in an area that is outside the projected path of an approaching hurricane or severe storm. As local conditions are not expected to present hazards such as surge inundation, rainfall flooding, high winds, or hazardous materials which exceed the building codes of the facilities in use, shelter selection guidelines in ARC 4496 do not have to be considered. The shelter population may include evacuees who flee from the threat of a hurricane or severe storm in their home counties. For planning purposes, the operational period of a Host Shelter is from 24 hours prior to landfall until 72 hours after landfall of a hurricane or
severe storm. A total of 20 square feet of usable floor space per person is recommended in the calculation of shelter capacity

**Hurricane Evacuation Shelter**: A building or facility that conforms to the hurricane evacuation guidelines in ARC 4496, and is intended to shelter persons in the path of a major storm or hurricane. The designation does not imply that a facility is capable of affording complete protection or is free from hazards but only that it meets established safety criteria. See also Storm Shelter and Risk Shelter.

**Hurricane Evacuation Zones:** Areas designated to be evacuated for particular hurricane scenarios to protect an at-risk population from flooding or high winds. Evacuation zones are developed taking into consideration all populated areas having a serious risk of flooding, areas not subject to flooding but may be cut-off or completely surrounded and isolated by flooded areas, and the need to be easily communicated to the public.

**Long:range planning:** Means devising a systematic method based on educational information and needs, carefully analyzed, to provide the facilities to meet the goals and objectives of the educational agency for a period of 5 years.

**Glossary (continued)**

**Long Span** : See Open Span.

**Mitigation** : Actions taken to prevent or reduce the risk to life, property, social, economic activities, and natural resources from natural or technological hazards.

**Net Usable Floor Area :** the floor area of included spaces reduced to account for partitions and walls, columns, fixed or movable objects, furniture, equipment or other features that under probable conditions can not be removed or stored during use as an hurricane shelter.

**New Construction:** Means any construction of a building or unit of a building in which the entire work is new or an entirely new addition connected to an existing building or which adds additional square footage to the space inventory.

**Open Span**: An area in a structure where the clear distance between supporting elements (beams, columns, etc.), in the shortest direction, is 40 feet or more.

**Recovery Shelter:** A facility that is relatively safe and provides essential support services. Facilities designated as Recovery Shelters are used after there is no longer a threat of hurricane or severe storm in the area. All Host Shelters and those Risk Shelters that have essential support services may be used as Recovery Shelters. As local conditions are not expected to present hazards such as surge inundation, rainfall flooding, high winds, or hazardous materials which exceed the building codes of the facilities in use, shelter selection guidelines in ARC 4496 do not have to be considered. The shelter population may include evacuees from the local area or evacuees who flee from the threat of hurricane or severe storm in their home counties and are not yet cleared to return to their homes. For planning purposes, the operational period of a Recovery Shelter is from 72 hours after landfall and beyond. A total of 40 square feet of usable floor space per person is recommended in the calculation of shelter capacity.

**Reduction Factor:** Factors used to reduce the net floor area in order to allow for furnishings, walkways, etc. , resulting in the net usable floor area.

**Remodeling:** Means the changing of existing facilities by rearrangement of spaces and their use and includes, but is not limited to, the conversion of two classrooms to a science laboratory or the conversion of a closed plan arrangement to an open plan configuration.

**Renovation:** Means the rejuvenating or upgrading of existing facilities by installation or replacement of materials and equipment and includes, but is not limited to, interior or exterior reconditioning of facilities and spaces; air:conditioning, heating, or ventilating equipment; fire alarm systems; emergency lighting; electrical systems; and complete roofing or roof replacement, **Glossary (continued)**



including replacement of membrane or structure. As used in this subsection, the term "materials" does not include instructional materials.

**Retrofit** : Modifications performed upon an existing structure or infrastructure with the goal of significantly reducing or eliminating potential damage due to a specific hazard.

**Risk Shelter :** A facility that complies with shelter selection guidelines prescribed in Guidelines for Hurricane Evacuation Shelter Selection (ARC 4496, July 1992). Facilities designated as Risk Shelters lie in the projected path of an approaching hurricane or severe storm and who have been
directed to evacuate. The designation does not imply that a facility is capable of affording complete protection or is free from hazards but only that it meets established safety criteria. A total of 20 square feet of usable floor space per person is recommended in the calculation of shelter capacity. See Hurricane Evacuation Shelter and Storm Shelter.

**Saffir-Simpson HurricaneScale** : The current prevalent system of classifying hurricanes based on five categories that relate hurricane strength and, therefore, damage potential, with the central

pressure, wind velocity, and storm surge.

**Shelter**: A pre-designated place or building of relative safety that temporarily provides essential support services with the goal of preserving life and reducing human suffering.

**Shutters**: Permanent or temporary closures or shields and assemblies that serve as a structural barrier to resist wind induced loads that act on their surface(s) to include aerodynamic and Wind-borne debris impact loads.

**Site:** Means a space of ground occupied or to be occupied by an educational facility or program.

**SLOSH modeling**: A modeling methodology that predicts the maximum envelope and depth of coastal and inland storm surge inundation with respect to categories of hurricane.

**Storm Surge**: An abnormal rise in water level at the shoreline of a large body of water caused by wind and pressure forces of a storm or hurricane.

Appendix F:
Saffir-Simpson Hurricane Scale

# The Saffir-Simpson Hurricane Scale

The Saffir-Simpson Hurricane Scale is a 1-5 rating based on the hurricane's present intensity. This is used to give an estimate of the potential property damage and flooding expected along the coast from a hurricane landfall. Wind speed is the determining factor in the scale, as storm surge values are highly dependent on the slope of the continental shelf in the landfall region. Note that all winds are using the U.S. 1-minute average.

**Category One Hurricane:**

Winds 74-95 mph (64-82 kt or 119-153 km/hr). No real damage to building structures. Damage primarily to unanchored mobile homes, shrubbery, and trees. Some damage to poorly constructed signs. Also, some coastal road flooding and minor pier damage. Hurricanes Allison of 1995 and Danny of 1997 were Category One hurricanes at peak intensity.

**Category Two Hurricane:**

Winds 96-110 mph (83-95 kt or 154-177 km/hr). Some roofing material, door, and window damage of buildings. Considerable damage to shrubbery and trees with some trees blown down. Considerable damage to mobile homes, poorly constructed signs, and piers. Coastal and low-lying escape routes flood 2-4 hours before arrival of the hurricane center. Small craft in unprotected anchorages break moorings. Hurricane Bonnie of 1998 was a Category Two hurricane when it hit the North Carolina coast, while Hurricane Georges of 1998 was a Category Two Hurricane when it hit the Florida Keys and the Mississippi Gulf Coast.

**Category Three Hurricane:**

Winds 111-130 mph (96-113 kt or 178-209 km/hr). Some structural damage to small residences and utility buildings with a minor amount of curtainwall failures. Damage to shrubbery and trees with foliage blown off trees and large trees blown down. Mobile homes and poorly constructed signs are destroyed. Low-lying escape routes are cut by rising water 3-5 hours before arrival of the center of the hurricane. Flooding near the coast destroys smaller structures with larger structures damaged by battering from floating debris. Terrain continuously lower than 5 ft above mean sea level may be flooded inland 8 miles (13 km) or more. Evacuation of low-lying residences with several blocks of the shoreline may be required. Hurricanes Roxanne of 1995 and Fran of 1996 were Category Three hurricanes at landfall on the Yucatan Peninsula of Mexico and in North Carolina, respectively.

**Category Four Hurricane:**

Winds 131-155 mph (114-135 kt or 210-249 km/hr). More extensive curtainwall failures with some complete roof structure failures on small residences. Shrubs, trees, and all signs are blown down. Complete destruction of mobile homes. Extensive damage to doors and windows. Low-lying escape routes may be cut by rising water 3-5 hours before arrival of the center of the hurricane. Major damage to lower floors of structures near the shore. Terrain lower than 10 ft above sea level may be flooded requiring massive evacuation of residential areas as far inland as 6 miles (10 km). Hurricane Luis of 1995 was a Category Four hurricane while moving over the Leeward Islands. Hurricanes Felix and Opal of 1995 also reached Category Four status at peak intensity.

**Category Five Hurricane:**

Winds greater than 155 mph (135 kt or 249 km/hr). Complete roof failure on many residences and industrial buildings. Some complete building failures with small utility buildings blown over or away. All shrubs, trees, and signs blown down. Complete destructon of mobile homes. Severe and extensive window and door damage. Low-lying escape routes are cut by rising water 3-5 hours before arrival of the center of the hurricane. Major damage to lower floors of all structures located less than 15 ft above sea level and within 500 yards of the shoreline. Massive evacuation of residential areas on low ground within 5-10 miles (8-16 km) of the shoreline may be required. Hurricane Mitch of 1998 was a Category Five hurricane at peak intensity over the western Caribbean. Hurricane Gilbert of 1988 was a Category Five hurricane at peak intensity and is one of the strongest Atlantic tropical cyclones of record.

# Appendix G:
# Consultative Guidance for Implementation of Public Shelter Design Criteria

## Appendix G – Consultative Guidance for Implementation of Public Shelter Design Criteria

### G.0 PUBLIC SHELTER DESIGN CRITERIA

The public shelter design criteria, which are also known as the EHPA criteria, was developed to ensure that appropriate new educational facilities can serve as public hurricane evacuation shelters. The EHPA criteria provide supplemental code provisions to existing applicable codes and standards. The EHPA criteria are performance-based, with limited prescriptive options provided to serve as a guide toward achieving the required level of performance.

The SREF public shelter design criteria are promulgated in section 423.25, FBC. This section of the code applies to public schools (K-12) and community colleges. The Department also recommends use of the EHPA criteria for new state university, and other state, local and privately-owned facilities that are suitable to serve as public hurricane evacuation shelters.

The EHPA criteria were also prepared to ensure that new educational facilities could meet or exceed applicable national design and construction standards, guidelines and "best practices." In particular, the American Red Cross' ARC 4496 must be consulted during the planning and design process for an EHPA; see Appendix C. ARC 4496 is the minimum hurricane shelter criteria used by the Department, American Red Cross and local emergency management officials for surveying, evaluating and designating public hurricane shelters.

ARC 4496 can also be viewed at the following web address:

http://floridadisaster.org/bpr/Response/engineers/documents/newarc4496.pdf

### G.1 EHPA Occupancy Period

For planning purposes, the EHPA is assumed to be occupied at its maximum occupant capacity for, at a minimum, a continuous eight (8) hour period during impact by a major hurricane (i.e., Category 3 or higher). Off-site and unprotected on-site structures and utilities must be assumed to be inoperable, damaged or destroyed.

Though the EHPA criteria assume an 8-hour design occupancy period, hurricane evacuation shelters may be occupied for six to 12 hours in advance of arrival of hurricane force winds, and six to 12 hours (or longer) after hurricane force winds subside. Boards, design professionals and emergency managers should consider this fact during the design of an EHPA. A design planning guide of 24 hours at maximum occupant capacity of the EHPA may be more appropriate.





### G.2 Structural Requirements

The wind load performance objective of modern building codes and standards is to prevent or reduce deaths and injuries within the built environment. This is achieved through design and construction of buildings such that, under design loads, primary load carrying systems remain stable and do not collapse. Survival without collapse implies that occupants should be able to find an area of relative safety inside the structure during a severe wind event. Localized damage, breach of the structural envelope and flow of wind through the structure and water damage are acceptable. However, this design philosophy is not necessarily acceptable for public hurricane shelters (and certain other essential facilities).

Hurricane Andrew demonstrated that the potential exists for hundreds of shelterees to find themselves scrambling for safety as the structural envelope of a designated public shelter progressively disintegrates in a "design level event." This scenario is unacceptable to emergency management and other public officials. The EHPA criteria were developed to significantly enhance the safety of public hurricane shelters, and enhance their ability to survive and continue to serve the public after exposure to a major hurricane. Therefore, the performance expectation for EHPAs is that not only the structural frame resist collapse in a Category 3 or greater hurricane, but that the exterior envelope components, cladding materials and assemblies must also remain sufficiently intact to protect building occupants and preserve the mass care function.

**G.2.1 Wind Loads.** EHPAs are required to be designed and constructed in accordance with the wind load provisions of the American Society of Civil Engineers Standard 7, *Minimum Design Loads for Buildings and Other Structures* (ASCE 7). The minimum design wind speed is per ASCE 7's basic wind speed map, using the importance factor (*I*) for a Category III or IV (essential facility) building occupancy. Also, to ensure that the EHPA remains an enclosed structure (and avoid a partially enclosed condition, which would invalidate the design), building openings are also required to withstand impact by windborne debris in accordance with Test Standard for Determining Resistance From Windborne Debris SSTD 12 (SSTD 12).

The selection of an appropriate design wind speed is critical to the performance of public hurricane shelters. ASCE 7's wind speed map is based upon a 50-year recurrence level, which presumes that 50 years is the useful life expectancy of a facility. The Category III/IV importance factor (1.15) is used to adjust the wind speed design up to a 100+ year recurrence level to account for a greater degree of hazard due to the nature of a facility's occupancy. This is the minimum wind design and construction requirement for EHPAs, and reflects the **minimum** national design standard for designated hurricane shelters.

However, the EHPA code provisions highly recommend that the ASCE 7 map wind speed be increased by 40 miles per hour, with an importance factor of 1.00. The Department also highly recommends the 40 mile per hour increase in base wind speed. The 40 mile per hour increase in base wind speed translates into wind designs of as high as 200 miles per hour in the Florida Keys, to as low as 140 miles per hour in inland north-

central Florida. The 40 mile per hour increase in base wind speed is used to adjust the wind speed design up to about a 1,000+ year recurrence level, and is consistent with the Department of Energy's DOE-STD-1020 hurricane wind Performance Category (PC) 3 criteria. The Department of Energy's enhanced performance expectations are that its facilities not only resist collapse, but that occupants, critical equipment and contents be protected from wind, windborne and falling debris, rainwater intrusion, and continue to maintain operation as an essential facility. The Department of Energy's enhanced performance expectations are more consistent with public hurricane shelter design and construction performance expectations than ASCE 7's minimum design standard.

DOE-STD-1020-2002 can be viewed at the following web address:

http://floridadisaster.org/bpr/Response/engineers/documents/STD-10202002.pdf

Another consideration when selecting a design wind speed is differences between ASCE 7 and hurricane intensity wind speed measurements. ASCE 7's basic wind speed map uses a 3-second gust wind measurement method. However, the National Hurricane Center (NHC) and National Weather Service (NWS) categorize hurricanes using the Saffir-Simpson Hurricane Intensity Scale, which uses a one-minute sustained wind measurement method. Table G-1 provides a comparison of common wind measurement methods. For comparison purposes, visualize an anemometer (measures wind force and velocity) with Table G-1 representing concurrent scales on its wind speed display dial, similar to a vehicle speedometer that registers vehicle speed in both miles per hour and kilometers per hour. The anemometer will read about 140 miles per hour on the 3-second gust scale when the 1-minute sustained scale reads 111 miles per hour.

**TABLE G-1. Equivalent Basic Wind Speeds**
Wind Speed Conversion
3-second gust, fastest-mile and 1-minute sustained velocities (mph)

| **Wind Measurement Method** | **Saffir-Simpson Hurricane Intensity Scale** | | | | | |
|---|---|---|---|---|---|---|
| | Hurricane Category 1 | Hurricane Category 2 | Hurricane Category 3 | Hurricane Category 4 | Hurricane Category 5 | Extreme Hurricane Category 5 |
| **3-second Gust** (ASCE 7 and 2001 Florida Building Code) | 90 | 120 | 140 | 165 | 195 | 250 |
| **Fastest-Mile** (Standard Building Code) | 75 | 100 | 120 | 140 | 170 | 225 |
| **1-minute Sustained** (National Hurricane Center) | 74 | 96 | 111 | 131 | 156 | 200 |





The NHC defines a major hurricane as one that achieves Category 3 or higher intensity on the Saffir-Simpson Scale; see Appendix F for hurricane category definitions. National guidance also indicates that all of Florida is subject to exposure to major hurricane conditions, with some locations in South Florida and the panhandle region especially susceptible to severe hurricanes. Therefore, to ensure that public hurricane shelters are designed and constructed to resist major hurricanes, the 40 mile per hour increase in base wind speed is critical to achieve the EHPA performance expectation. Table G-2 provides a comparison summary of hurricane shelter performance objectives to be considered when selecting an appropriate design wind speed.

The 40 mile per hour increase in design wind speed is especially important for certain types of buildings. Buildings with tall exterior walls, long span lightweight roof systems, wide roof overhangs, located in open areas with minimal sheltering, etc., are particularly vulnerable to damage in "design level events." The Department strongly recommends use of the 40 mile per hour increase in design wind speed for buildings that possess these characteristics.

The Department also recommends use of exposure C when calculating wind design load, regardless of the design wind speed selected or the environmental conditions surrounding the proposed facility. Both ASCE 7 and the FBC permit use of exposure B in areas more than a mile from the coast, which can significantly reduce the required design capacity of a facility. Use of exposure B is an unconservative approach, which is inconsistent with hurricane shelter performance expectations. Severe hurricanes, like Hurricane Andrew, tend to scour the environment by blowing over trees and flattening lightweight or poorly constructed structures. This scouring reduces the sheltering effect of a facility's normal environment. Strong hurricanes can also produce "micro-burst" and weak to moderate tornado type damage, which can devastate a small area and negate the influence of any local environmental sheltering. Therefore, for consistency with DOE-STD-1020 and the Federal Emergency Management Agency's (FEMA) publication *Design and Construction Guidance for Community Shelters* (FEMA 361), the Department recommends use of exposure C when calculating design wind load.

The EHPA code recommended 40 mile per hour increase in design wind speed is not intended to achieve a "near absolute" level of protection for building occupants. However, it does provide an "enhanced" (or intermediate) level of protection above minimum ASCE 7 design requirements. DOE-STD-1020's hurricane wind performance category PC-4 and FEMA 361 may be more representative of a "near absolute" level of protection from severe hurricane wind effects.

The EHPA criteria also require that roof assemblies remain waterproof (i.e., rain tight) to preserve the emergency management function. Therefore, roof weather membranes (or secondary rain barriers) must be certified to the wind load requirements.

**G.2.2 Windborne Debris Impact.** All exterior surface components and cladding materials of EHPAs, and their supporting assemblies, are required to resist windborne debris impact. This includes walls, roofs, windows, skylights, glass block, doors, louvers, etc. This requirement is applicable to all EHPAs, regardless of proposed siting

in a location outside of the normal windborne debris regions prescribed in ASCE 7 or the FBC. The minimum debris impact standard is SSTD 12. That is, the pertinent cladding materials and assemblies must, at a minimum, resist penetration by a nominal 2"x4" lumber plank weighing nine (9) pounds propelled at 34 miles per hour and striking "end-on" and perpendicular to the assembly. The Department also considers products and assemblies acceptable that have been tested and certified to equivalent requirements of the American Society for Testing and Materials (ASTM) Standards E 1886 and E 1996, and the High Velocity Hurricane Zone Testing Protocols TAS 201, 202 and 203. Construction assemblies that are "deemed to comply" with section 1626, FBC, are also considered acceptable.

However, please note that the Department of Education has stated that roof assemblies must be tested and certified to meet SSTD 12 as an assembly. This applies to district school board and community college facilities. With the exception of code prescripted concrete deck assemblies, "deemed to comply" assemblies will not be approved by the Department of Education. Therefore, "deemed to comply" assemblies are only applicable to other state and local agency facilities.

The Florida Department of Education's list of approved roof decks can be found at the following web address:

http://www.firn.edu/doe/edfacil/pdf/roofdecks.pdf

The Department recommends that facilities that may be subjected to an unusual barrage of heavy debris and building wreckage incorporate a more rigorous debris impact standard. This includes facilities that are located within 300 feet of significant exposure to unanchored large object debris sources or poorly constructed/partially engineered buildings. An example is an EHPA facility proposed to be located adjacent to a partially engineered unreinforced masonry building; portions of roof and wall materials, roof top equipment and building contents may be entrained into the wind field as the weak building breaks apart under severe wind loads. This heavy debris can have devastating impacts upon inadequate roof and wall components, cladding materials and assemblies, and potentially create significant breaches in the building's structural envelope. Also, intrusion of heavy debris through the building envelope can present a hazard to building occupants.

For unusual windborne debris hazard exposure, the Department, at a minimum, recommends the hurricane wind hazard debris impact resistance criteria published in DOE-STD-1020. DOE-STD-1020 requires that the facility's exterior envelope components, cladding materials and assemblies resist penetration by a nominal 2"x4" lumber plank weighing 15 pounds propelled at 50 miles per hour and striking "end-on" and perpendicular to the assembly. This is about 360 percent of the impact energy of SSTD 12's impact standard. There are products on the market that have been (or could be) certified to this level of performance, and DOE-STD-1020 provides "deemed to comply" type guidance for roof and wall assemblies. FEMA 361 also provides debris impact design guidance for facilities located in areas potentially exposed to extreme intensity wind events and extraordinary debris impact loadings.





FEMA 361 can be viewed at the following web address:

http://www.fema.gov/fima/fema361.shtm

**Table G-2. Summary of Wind Storm Design Criteria**
Crosswalk of EHPA, DOE-STD-1020 and FEMA 361 Performance Criteria

| **Performance Category** | **X** | **0** | **1** | **2** (EHPA min) | **3** (EHPA rec) | **4** (FEMA 361) |
|---|---|---|---|---|---|---|
| **Wind Hazard Return Period (yrs)** | < 50 | 50 | 50 | 100 | 1,000 | 10,000 |
| **Design Wind Speed** | Does not meet ARC 4496 | Code & meets ARC 4496 | ASCE 7 or Code & ARC 4496 | ASCE 7, essential facility & ARC 4496 | ASCE 7 plus ~40 mph | ASCE 7 plus ~80 mph |
| **Design Wind Speed, V (mph), 3-second gust** | < 90 | 100 | 100 -150 | 100 -150 | 140-200 (tornado @ 160+) | 180-230 (tornado @ 200+) |
| **Importance Factor, I** | < 1.00 | 1.00 | 1.00 | 1.15 | 1.00 | 1.00 |
| **Exposure Category** | N/A | N/A | Code | ASCE 7 (Exposure C recommended) | ASCE 7 (Exposure C recommended) | C |
| **Directionality Factor, Kd** | N/A | N/A | Code | ASCE 7 (0.85) | 1.00 | 1.00 |
| **Internal Pressure Coefficient, GCpi** | N/A | N/A | Code | ASCE 7 (hurr. @ 0.18, or tornado @ 0.55) | ASCE 7 (hurr. @ 0.18, or tornado @ 0.55) | ASCE 7 (hurr. @ 0.18, or tornado @ 0.55) |
| **Load Combinations** | N/A | N/A | Code | ASCE 7 | ASCE 7 | ASCE 7 |
| **Hurricane Windborne Debris Impact Criteria** | N/A | Equivalent to ½" plywood; max. height 30* ft. | 2x4 timber plank, 9 lb @ 34 mph; max. height 30* ft. | 2x4 timber plank, 9 lb @ 34 mph; max. height 60* ft. | 2x4 timber plank, 15 lb @ 50 mph; max. height 60* ft | 2x4 timber plank, 15 lb @ 50 mph; max. height 60* ft |
| **Tornado Windborne Debris Impact Criteria** | N/A | N/A | N/A | 2x4 timber plank, 15 lb @ 50 mph; max. height 60* ft. | 2x4 timber plank, 15 lb @ 100 mph; max. height 150* ft. | 2x4 timber plank, 15 lb @ 100 mph; max. height 200* ft. |

* - Glazed openings in exterior envelope of hurricane shelters and critical support areas located above large missile protection height indicated in this table should resist penetration to small missile standards.
Note: PC 2 ≈ EHPA minimum requirement, PC 3 ≈ EHPA recommended requirement, and PC 4 ≈ FEMA 361 "near absolute protection" requirement

**G.2.3 Foundations and Floor Slabs.** The finished floor elevation of EHPAs and their essential life safety and emergency support systems are required to be elevated above the maximum storm surge inundation elevation associated with a Category 4 hurricane event. In multistory or elevated buildings, this applies to the lowest habitable EHPA floor. The storm surge elevations are identified by reviewing the most current Sea, Lake and Overland Surges from Hurricanes (SLOSH) studies and atlases.

Some computer-based SLOSH models are also available, such as SLOSH Display Program version 1.30. These models list several elevations based upon "hurricane scenario," which includes storm intensity, forward speed and track. It is not uncommon for a site located in a Category 4 or 5 storm surge zone to be listed as "dry" for all but a few scenarios, and could possibly be dry for all scenarios due to elevation of local grade. The EHPA design requirement is the highest elevation listed for a Category 4 hurricane event.

The Department's minimum recommendation for rainfall flood design elevation for EHPAs is ASCE 7 Building Category IV. That is, the minimum elevation must be at least one (1) foot above base flood elevation (BFE). However, where practical, the lowest habitable EHPA floor elevation should be at or above the 500-year flood elevation.

**G.2.4 Certifications.** Board and emergency management agencies have often found that it is difficult, if not impossible, to document that a facility was designed and constructed to the EHPA criteria after the passage of time. Construction drawing notes often do not provide the required information, and building officials, design professionals-of-record, constructors, product manufacturers and providers, and other relevant agents move on to other projects. Maintaining a viable record to certify that a facility has been designed and constructed to meet the EHPA criteria is critical. The following information is needed by emergency managers to document that a facility is an EHPA:

1. Statement that the wind design conforms to the provisions of the Public Shelter Design Criteria, Section 423.25, Florida Building Code with year of revision specified
2. Statement that wind design is per ASCE 7 with year of revision specified
3. Basic wind speed, mph
4. Wind importance factor (*I*)
5. Wind exposure
6. Internal pressure coefficient (*GCpi*)
7. Provide documentation that windows, doors and other exterior components comply with SSTD 12 or an equivalent performance standard (e.g., ASTM E 1886 and E 1996, FBC High Velocity Hurricane Zone testing protocols TAS 201, 202 and 203, etc.); documentation may include large missile impact product approval notice(s), certified lab test results, etc.





8. Floor plan drawing or image indicating location of EHPA portions of the facility; includes drawing or image indicating the entire facility when applicable

The documentation can be provided in the form of a certification statement letter or memorandum, or as a note page within the construction drawings of record. It is requested that the design professional-of-record sign and seal the certification document(s), and forward the certification to the board, local emergency management agency and Division.

## G.3 Location and Site Requirements

**G.3.1 Emergency Access.** EHPAs are required to have at least one major means of access for emergency vehicles that is above the 100-year floodplain. However, this requirement may be impractical in some areas due to generally low-lying topography. Therefore, this requirement can be waived by the board with concurrence of the local emergency management agency or the Department. A potential EHPA with access routes below the 100-year floodplain may be subject to isolation due to hurricane rainfall flooding, and should be reviewed as a potential exemption request per section 2.2.1 of this Plan.

**G.3.2 Landscaping and Parking.** Landscaping around the EHPA must be designed to preserve safety and emergency access. Trees must not conflict with overhead or underground utilites, including, electricity, telecommunications, potable and waste water, natural gas, etc. Trees, utility poles or other tall structures are required to be located to avoid lay-down or impact hazard for the EHPA and its occupants. Trees and shrubs within 50 feet of an EHPA should be limited to hurricane tolerant species with trunk diameters that do not exceed about six (6) inches. Structures, equipment and other objects within 300 feet of the EHPA's perimeter should be anchored to avoid generating large windborne, falling or roll-over debris. Vehicles must be parked more than 50 feet from the perimeter of the EHPA during hurricane conditions.

## G.4 Hurricane Shelter Capacity

Fifty percent of the net square feet of new educational facilities is required to be constructed to meet the EHPA criteria. The calculated EHPA capacity is used by board staff, emergency managers and design professionals to determine the infrastructure-related requirements (potable water, toilets, sinks, parking, etc.) EHPAs may be a single large room or a combination of rooms, located on one or more stories, and possibly in more than one building. To begin the EHPA capacity calculation process, identify those rooms or spaces that are to be excluded. Section 423.25.3.1, FBC and s. 252.385(4)(b), F.S. serve as guides for identifying excluded space.

The following is a summary of the excluded spaces:

**Excluded Spaces.** Spaces such as mechanical, plumbing, electrical, telephone and communication equipment rooms, storage rooms and closets, exterior/outside circulation and corridors, restrooms and shower areas, kitchen and food preparation rooms, science labs, computer and information technology labs, vocational and industrial technology labs and shops, library and media rooms and labs, administrative office and support areas, record vaults, attics and crawl spaces.

**Included Spaces.** All other rooms and areas not listed as an excluded space.

To determine the net square feet of EHPA floor area, subtract the floor area square feet of excluded spaces from the gross square feet of the facility. The board, with the concurrence of the local emergency management agency or the Department may adjust the list of excluded/included spaces or the formula for calculation of design capacity.

To be consistent with the Department's statewide hurricane shelter survey and retrofit program, the capacity of an EHPA may be based upon "net usable floor area" in-lieu of net floor area. Net usable floor area is defined as follows:

**Net Usable Floor Area.** Floor area of included spaces reduced to account for partitions and walls, columns, fixed or movable objects, furniture, equipment or other features that under probable conditions cannot be removed or stored during use as a hurricane shelter.

The following empirical reduction factors can be used to determine net usable floor area:

1. Reduce the gross floor area of assembly areas with concentrated furnishings or fixed seating by 50 percent. Examples are auditoriums, amphitheater classrooms, etc. To calculate a room's net usable floor area, multiply gross floor area by a **reduction factor (RF)** of 0.50.
2. Reduce the gross floor area of assembly areas with unconcentrated furnishings and without fixed seating by 35 percent. Examples are conference rooms, educational classrooms and skills labs, dining areas, band and music rooms, etc. To calculate a room's net usable floor area, multiply gross floor area by a RF of 0.65.
3. Reduce the gross floor area of assembly areas with open floors and without fixed seating by 15 percent. Examples are gymnasiums, dance floors, exhibition galleries, open multipurpose rooms, interior/inside circulation corridors and areas, etc. Retractable seating is not considered fixed seating. To calculate a room's net usable floor area, multiply gross floor area by a RF of 0.85.





A more comprehensive list of Department of Education room design codes, descriptions and RFs is available in Appendix H. Reduction values listed are empirical in that they are based upon large-scale typical conditions. Boards, local emergency management agencies and design professionals may adjust the empirical reduction factors to address site-specific conditions.

The capacity of an EHPA is calculated using 20 square feet per occupant. The FBC formula is as follows:

**(Gross Floor Area, sq.ft. - $\sum$ Excluded Floor Areas, sq.ft.) / 20 = Occupant Capacity**

To calculate occupant capacity based upon net usable floor area, the formula is:

**$\sum$ (Included Gross Floor Areas, sq.ft. x RF) / 20 = Usable Occupant Capacity**

It should be noted that in an emergency, on a short-term basis during hurricane conditions, the American Red Cross and emergency management officials may temporarily reduce the occupant floor area requirement to 15 square feet per occupant. This emergency contingency measure does not affect the EHPA criteria's requirement to use 20 square feet per occupant to calculate design capacity.

## G.5 Plumbing and Sanitation

It is essential that the EHPA remain a safe and sanitary environment. The plumbing and sanitary provisions of the EHPA criteria are primarily based upon the American Red Cross's publication *Mass Care - Preparedness and Operations* (ARC 3041). ARC 3041 requires that emergency shelters, regardless of cause(s) necessitating their need, provide a minimum level of service.

In general, support systems for toilets, sinks and other essential water distribution and disposal systems are required to be capable of supplying water and containing waste for the design capacity of the EHPA. Plumbing and valve systems of toilets and sinks within the EHPA may be designed for conversion to emergency operation to meet the required demand. The method selected to achieve the required level of performance is at the discretion of the board, design professionals and emergency management agencies.

**G.5.1 Potable Water.** The EHPA criteria do not specify a minimum potable water requirement. ARC 3041 requires a minimum of five (5) gallons of potable water per person per day for all uses (i.e., drinking water, hygiene, food preparation, etc.) Given that the EHPA planning assumption is 8-hours, or one-third (1/3) of a day, the Department recommends that the minimum potable water requirement be one-third of the ARC's daily requirement, or 1.67 gallons per person for all uses. A minimum of one quart per person should be for drinking water purposes. As an example, an EHPA with a design occupant capacity of 100 persons (includes both shelterees and management staff) will require a minimum of 167 gallons of potable water. This is a relatively small quantity of water if it must be extended for up to 24 hours, so conservation measures are

recommended (i.e., identify and provide access to sources for clean non-potable water for toilet flushing and certain other hygiene activities, etc.)

The potable water can be provided by on-site wells or water treatment package plants, stored in a permanent flow-through tank, or less preferably, stored in temporary containers or bladders. Since temporary systems will be infrequently used (possibly less than once a year), they will require regular maintenance to ensure operational viability. Large volume tanks must also be monitored to assure sufficient chlorine residual. Systems that rely on pumps or other electro-mechanical equipment will require a back-up power supply.

In some circumstances, an alternative to large volume tank storage, and its associated plumbing and valve systems, is on-demand delivery of potable water. If this approach is used, the EHPA will need a delivery and protected storage area for the bulk water. This approach has significant benefits and drawbacks. The benefits are minimal (or no) construction costs associated with this approach, and there are no recurring maintenance or contamination concerns. The drawbacks are logistical and financial: who is going to be responsible for ordering, receiving, distributing, paying for, and if necessary, disposing of the water in time of need? These issues are not show-stoppers, but require a written agreement to assure operational viability.

**G.5.2 Toilets and Sinks.** Both ARC 3041 and the EHPA criteria require one (1) toilet and one (1) sink per 40 occupants of design capacity. The toilets and sinks can be fixed units incorporated into the EHPA during design and construction, or less preferably portable toilets and hand washing facilities. The EHPA required toilets and sinks are not in addition to those required for normal school occupancy, and are to be included in the overall facility fixture count. Generally there are sufficient quantities of toilets and sinks required for normal school occupancy capacity to meet the EHPA requirement. The designer will need to consider placement of the fixtures such that the needs of both the normal school occupancy and the EHPA requirements are served. EHPA required toilets and sinks must be accessible from within the protected area, or must be accessible via a protected passageway that meets the EHPA criteria. Portable chemical toilets may also require separation from occupied spaces and circulation of fresh air.

**G.5.3 Showers.** Given that the EHPA criteria assumes only an 8-hour occupancy, ARC 3041's normal shower requirement can be relaxed. Therefore, showers are not an EHPA code requirement. However, boards and design professionals should consider that post-hurricane recovery shelters normally require one (1) shower per 40 occupants.

**G.5.4 Waste Water.** The EHPA criteria requires that the plumbing system be capable of containing (or otherwise disposing of) the waste water generated by the design capacity occupant load. This can be accomplished through installation of storage tanks, a waste water treatment package plant, or other suitable measure. It is critical that waste water be prevented from backing up into the EHPA.

For those facilities with an on-site waste water lift station, the lift station reservoir can be sized to meet the storage requirement. If this method is selected, the Department





recommends that the reservoir capacity be based upon a 24-hour design occupant capacity instead of the 8-hour design capacity (i.e., 5 gallons per occupant instead of 1.67 gallons). The lift station reservoir must be set at a lower elevation than the EHPA to prevent back-up of waste water into the shelter area. The lift station should also be equipped with an emergency back-up power system to support drainage into the local utility system. As a contingency, the stored waste water can be drained and properly disposed of by a mobile unit.

**G.5.5 Garbage Disposal.** The Department recommends that janitorial service areas be located within the EHPA, and provisions be considered for temporary storage or disposal of solid wastes and garbage.

## G.6 Electrical and Emergency Power Systems

Back-up and emergency power provisions are an important feature for hurricane evacuation shelters. Utility electrical power can be disrupted for a few hours to several days (or possibly weeks) following arrival of hurricane conditions. During a utility electrical power outage, EHPAs must remain a safe and sanitary environment. Life-safety systems must continue to function, minimal lighting must be provided to support safe movement, security and emergency egress needs, and adequate ventilation provided to maintain a habitable environment.

At a minimum, the EHPA criteria require installation of an emergency electrical power system with an outlet for coupling to a back-up portable generator. The EHPA criteria do not require installation of a permanent electrical power generator, but rely on "pre-wiring" the facility's electrical system to accept expeditious and safe installation of a compatible portable generator. Therefore, the minimum EHPA requirement relies upon on-demand delivery of a compatible electrical power generator. If the on-demand approach is used, the EHPA will need a protected storage area for the generator.

The on-demand approach has significant benefits and drawbacks. The benefits are reduced initial construction costs, minimal recurring maintenance expenses and no fuel-degradation concerns. The drawbacks are logistical and financial: who is going to be responsible for ordering, receiving, installing, maintaining, refueling, redeploying and paying for the generator in time of need? Very few, if any, boards or local government agencies possess an adequate quantity of compatible portable generators to meet EHPA requirements. Also, state and federal agencies do not normally deploy portable emergency power generators until at least 24 hours after impact by hurricane conditions. These issues are not show-stoppers, but require emergency power provisions be included in board and local facilities and emergency operations plans (and possibly a written agreement) to assure operational viability.

Boards and design professionals must note that state and local emergency management agencies are under no statutory or code obligation to provide portable emergency generator(s) for EHPAs. Boards and design professionals are responsible for

developing an appropriate EHPA emergency power capability to maintain a safe and sanitary environment for a minimum of the required 8-hour design occupant capacity.

## G.7 Emergency Management Considerations

**G.7.1 Shelter Manager's Office.** The EHPA criteria require that an administrative office be identified for shelter management use and included within the EHPA. The office is required to have provisions for standby power, lighting, communications, main fire alarm control panel and storage for the manager's equipment. Communications may include both internal (within the EHPA) and external (to outside shelter support agencies) communications.

The EHPA criteria do not specify a minimum floor area requirement for shelter management needs. ARC 4496 recommends that shelter management functions be based upon a minimum of 40 square feet per staff person. Therefore, the Department recommends that the shelter manager's office be a minimum of 40 square feet of net floor area, and an additional 40 square feet per assistant manager(s), communications person(s) and equipment storage. As an example, assuming the shelter manager and assistant manager occupy a single office area with equipment storage, the shelter manager's office should have about 120 net square feet of floor area (i.e., 40 sq.ft. x 3 management functions = 120 sq.ft.) The communications person(s) may be located in adjacent spaces.

A sign with a floor plan drawing or image indicating the EHPA's location and perimeter limits is required to be mounted in the shelter manager's office.

**G.7.2 Food Service.** The EHPA criteria states that "where feasible, include counter tops for food distribution functions in the EHPAs." ARC 3041 requires that emergency shelters have a feeding area and a means of storing, preparing and distributing food (and concurrently drinking water). Ideally, for sanitation purposes, emergency managers and shelter support agencies prefer to have feeding-related areas separate from general population areas. However, to maximize utilization of the EHPA's floor area during hurricane conditions, this preference can be relaxed and feeding areas occupied by the general population.

ARC 3041 normally requires 2,500 calories per person per day (approximately 3½ pounds of unprepared food). However, on a temporary basis, a hurricane shelter's feeding services can be relaxed. For design purposes, the EHPA planning assumption is 8-hours, or one-third (1/3) of a day. Therefore, the Department recommends that boards and design professionals plan for distribution of about one-third of the ARC's daily requirement, or about 833 calories (about one and one-sixth (1 1/6) pounds per person). This minimum feeding requirement can be met via "bag lunches" or heavy snacks. As an example, an EHPA with a design occupant capacity of 100 persons (includes both shelterees and management staff) will require a minimum of 117 pounds of food. Given that bag lunches and one-quart containers of bottled water can be distributed from a movable table (or straight out of bulk delivery boxes or containers), a fixed counter top may not be required; thus the "where feasible" preface in the code.





**G.7.3 Supplemental Space Allocations.** Ideally, in addition to shelter management space needs, adequate space should be set aside within the EHPA for registration, emergency medical care, safety and fire considerations, janitorial services and sanitation. For post-hurricane recovery shelter operations, ARC 3041 also recommends addition of space for storage of bulk food and supplies, food preparation and feeding, separate rooms for general population, elderly and families with small children, sleeping areas, recreation, and possible storage of occupants' belongings. It should be noted that ARC 3041's minimum space requirement for post-hurricane recovery shelters is 40 to 60 square feet per occupant, instead of the EHPA criteria's 20 square feet per occupant.

**G.7.4 Parking.** EHPA vehicle parking areas may be paved or unpaved, but must be located more than 50 feet from the EHPA.

Appendix H:
Hurricane Evacuation Shelter Net Usability Multiplication Factor
Estimates for Florida Department of Education Facilities

Hurricane Evacuation Shelter Net Usability Multiplication Factor
Estimates for Florida Department of Education Facilities

| Design Code Number | Design Description | Minimum Room sq.ft. | Normal sq.ft. per student | Net Usability Factor |
|---|---|---|---|---|
| 00001 | K-3 Special Class | 418 | 38 | 0.50 |
| 00002 | Kindergarten Class | 608 | 38 | 0.50 |
| 00003 | Primary Class | 608 | 38 | 0.50 |
| 00004 | Intermediate Class | 608 | 32 | 0.65 |
| 00005 | Elementary Resource | 416 | 32 | 0.65 |
| 00007 | Elementary Foreign Language Lab | 608 | 32 | 0.65 |
| 00008 | Elementary Math Skills Lab | 608 | 32 | 0.65 |
| 00009 | Elementary Social Studies Lab | 608 | 32 | 0.65 |
| 00010 | Elementary Language Arts Lab | 608 | 32 | 0.65 |
| 00011 | Elementary Art Lab | 592 | 37 | 0.50 |
| 00015 | Elementary Open Plan Area | 1,920 | 32 | 0.65 |
| 00020 | Middle/Jr High Class | 600 | 30 | 0.65 |
| 00021 | Middle/Jr High Resource | 416 | 32 | 0.65 |
| 00023 | Middle/Jr High Foreign Lang. Lab | 608 | 32 | 0.65 |
| 00024 | Middle/Jr High Math Skills Lab | 608 | 32 | 0.65 |
| 00025 | Middle/Jr High Social Studies Lab | 608 | 32 | 0.65 |
| 00026 | Middle/Jr High Lang. Arts Lab | 608 | 32 | 0.65 |
| 00029 | Middle/Jr High Art Lab | 630 | 42 | 0.50 |
| 00031 | Middle/Jr High Open Plan Area | 1,800 | 30 | 0.65 |
| 00035 | Sr High Class | 513 | 27 | 0.65 |
| 00036 | Sr. High Resource | 416 | 32 | 0.65 |
| 00038 | Sr High Foreign Lang. Lab | 512 | 32 | 0.65 |
| 00039 | Sr High Math Skills Lab | 512 | 32 | 0.65 |
| 00040 | Sr High Social Studies Lab | 512 | 32 | 0.65 |
| 00041 | Sr High Lang. Arts Lab | 512 | 32 | 0.65 |
| 00047 | Sr High Art Lab | 530 | 53 | 0.50 |
| 00050 | Sr High Open Plan Area | 1,620 | 35 | 0.65 |
| 00060 | ESE Special Class (Part Time) | 650 | 65 | 0.50 |
| 00061 | ESE Special Class (Self Contained) | 665 | 95 | 0.50 |
| 00062 | ESE Vocational | 665 | 95 | 0.50 |
| 00063 | ESE Physical Therapy Lab | 600 | 95 | 0.50 |
| 00064 | ESE Resource | 768 | 96 | 0.50 |
| 00075 | Middle-Sr High Vocal Music Class | 513 | 57 | 0.65 |
| 00076 | Middle-Sr High Band Class | 1,200 | 35 | 0.65 |
| 00077 | Middle-Sr High Orchestra Class | 513 | 57 | 0.65 |
| 00078 | Middle-Sr High Gen. Music Class | 518 | 37 | 0.65 |

Hurricane Evacuation Shelter Net Usability Multiplication Factor
Estimates for Florida Department of Education Facilities

| Design Code Number | Design Description | Minimum Room sq.ft. | Normal sq.ft. per student | Net Usability Factor |
|---|---|---|---|---|
| 00079 | Middle-Sr High Guitar Lab | 518 | 37 | 0.65 |
| 00110 | Middle-Sr High PE Multipurpose | 800 | 0 | 0.85 |
| 00111 | Jr High Gymnasium | N/A | N/A | 0.85 |
| 00112 | Sr High Gymnasium | N/A | N/A | 0.85 |
| 00113 | Gymnasium Seating | N/A | N/A | 0.85 |
| 00118 | PE Wrestling Room | 402 | N/A | 0.85 |
| 00119 | PE Gymnastics and Dance | 420 | N/A | 0.85 |
| 00340 | Dining Area | N/A | N/A | 0.65 |
| 00360 | Auditorium | N/A | N/A | 0.50 |
| 00361 | Multipurpose Room (Dining) | N/A | N/A | 0.65 |
| 00363 | Stage | N/A | N/A | 0.65 |
| 00370 | Lobby | N/A | N/A | 0.85 |
| 00700 | Inside Circulation | N/A | N/A | 0.85 |
| 00840 | Vocational Related Classroom | 416 | 32 | 0.65 |



Appendix I:
Department of Education Memorandum on "Hurricane Shelters in New Educational Facilities," dated October 31, 2001

FLORIDA DEPARTMENT OF EDUCATION

CHARLIE CRIST
COMMISSIONER

Wayne V. Pierson
Deputy Commissioner for
Planning, Budgeting and Management

CONTACT PERSON
NAME: Jon Hamrick
PHONE: (850) 487-1130
SUNCOM: 277-1130

October 31, 2001

DPBM No.: 02-42

**MEMORANDUM**

TO: District School Superintendents, Community College Presidents, and Educational Facilities Planners

FROM: Wayne V. Pierson

SUBJECT: Hurricane Shelters in New Educational Facilities

The Department of Education has again been asked to reiterate the requirement that all construction of new educational facilities, including appropriate core facility additions to existing buildings, incorporate enhanced hurricane protection areas in their design. Section 235.26(8)(a), F.S., states the following:

> "A facility, or an appropriate core facility area within a facility, for which a design contract is entered into subsequent to the effective date of the inclusion of the public shelter criteria in the code must be built in compliance with the amended code unless the facility or a part thereof is exempted from using the new shelter criteria due to its location, size, or other characteristics by the applicable board with the concurrence of the applicable local emergency management agency or the Department of Community Affairs. Any educational facility located or proposed to be located in an identified category 1, 2, or 3 evacuation zone is not subject to the requirements of this subsection. If the regional planning council region in which the county is located does not have a hurricane evacuation shelter deficit, as determined by the Department of Community Affairs, school districts within the planning council region are not required to incorporate the public shelter criteria into their construction of educational facilities."

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The State Requirements for Educational Facilities, Section 7(24)(a), and the Florida Building Code, Section 423(24)(a), provides:

> "New educational facilities for school boards and community college boards, unless specifically exempted by the board with the written concurrence of the applicable local emergency management agency or the Department of Community Affairs (DCA), shall have appropriate core facility areas designed as Enhanced Hurricane Protection Areas (EHPAs) in compliance with this section."

New educational facilities have been interpreted to mean "new construction," as defined in Section 1.2(56), SREF, and Section 423(4)(h), Florida Building Code, which includes additions to existing buildings. There are three exceptions: 1) if the new work is specifically exempted in writing by the applicable local emergency management agency, 2) if the new building(s) or addition is located in a category 1, 2, or 3 evacuation zone, and 3) if the local regional planning council region does not have a shelter deficit. The exception for one shelter within a three-mile radius no longer exists.

It is imperative that shelter space be provided in all appropriate new educational facilities so that the deficit in shelter space can be eliminated. In this light, you are encouraged to work with your county emergency management office prior to or during the development of a project to identify appropriate shelter space. The additional cost directly associated to the Enhanced Hurricane Protection Area (EHPA) is deducted from the total construction cost when applying for a SIT award.

Please note that the October 2001 Audit Report Number 02-055 for Hurricane Shelters and Grant Management for the Department of Community Affairs has identified a lapse in enforcement of the shelter criteria by school districts and community colleges. Of the 164 constructed or newly planned facilities examined by the auditor, one-third did not comply with the required shelter requirements.

WVP/jhi

# The 2001 Florida Statutes



**235.26 State uniform building code for public educational facilities construction.--**

(1) UNIFORM BUILDING CODE.--By July 1, 2001, a uniform statewide building code for the planning and construction of public educational and ancillary plants by district school boards and community college district boards of trustees shall be adopted by the Florida Building Commission within the Florida Building Code, pursuant to s. 553.73. Included in this code must be flood plain management criteria in compliance with the rules and regulations in 44 C.F.R. parts 59 and 60, and subsequent revisions thereto which are adopted by the Federal Emergency Management Agency. It is also the responsibility of the department to develop, as a part of the uniform building code, standards relating to:

(a) Prefabricated facilities or factory-built facilities that are designed to be portable, relocatable, demountable, or reconstructible; are used primarily as classrooms; and do not fall under the provisions of ss. 320.822-320.862. Such standards must permit boards to contract with the Department of Community Affairs for factory inspections by certified building code inspectors to certify conformance with applicable law and rules. The standards must comply with the requirements of s. 235.061 for relocatable facilities intended for long-term use as classroom space, and the relocatable facilities shall be designed subject to missile impact criteria of s. 423(24)(d)(1) of the Florida Building Code when located in the windborne debris region.

(b) The sanitation of educational and ancillary plants and the health of occupants of educational and ancillary plants.

(c) The safety of occupants of educational and ancillary plants as provided in s. 235.06, except that the firesafety criteria shall be established by the State Fire Marshal in cooperation with the Florida Building Commission and the department and such firesafety requirements must be incorporated into the Florida Fire Prevention Code.

(d) Accessibility for children, notwithstanding the provisions of s. 553.512.

(e) The performance of life-cycle cost analyses on alternative architectural and engineering designs to evaluate their energy efficiencies.

1. The life-cycle cost analysis must consist of the sum of:

a. The reasonably expected fuel costs over the life of the building which are required to maintain illumination, water heating, temperature, humidity, ventilation, and all other energy-consuming equipment in a facility; and

b. The reasonable costs of probable maintenance, including labor and materials, and operation of the building.

2. For computation of the life-cycle costs, the department shall develop standards that must include, but need not be limited to:

a. The orientation and integration of the facility with respect to its physical site.

b. The amount and type of glass employed in the facility and the directions of exposure.







c. The effect of insulation incorporated into the facility design and the effect on solar utilization of the properties of external surfaces.

d. The variable occupancy and operating conditions of the facility and subportions of the facility.

e. An energy-consumption analysis of the major equipment of the facility's heating, ventilating, and cooling system; lighting system; and hot water system and all other major energy-consuming equipment and systems as appropriate.

3. Life-cycle cost criteria published by the Department of Education for use in evaluating projects.

4. Standards for construction materials and systems based on life-cycle costs that consider initial costs, maintenance costs, custodial costs, operating costs, and life expectancy. The standards may include multiple acceptable materials. It is the intent of the Legislature to require district school boards to comply with these standards when expending funds from the Public Education Capital Outlay and Debt Service Trust Fund or the School District and Community College District Capital Outlay and Debt Service Trust Fund and to prohibit district school boards from expending local capital outlay revenues for any project that includes materials or systems that do not comply with these standards, unless the district school board submits evidence that alternative materials or systems meet or exceed standards developed by the department.

It is not a purpose of the Florida Building Code to inhibit the use of new materials or innovative techniques; nor may it specify or prohibit materials by brand names. The code must be flexible enough to cover all phases of construction so as to afford reasonable protection for the public safety, health, and general welfare. The department may secure the service of other state agencies or such other assistance as it finds desirable in recommending to the Florida Building Commission revisions to the code.

(2) CONFORMITY TO FLORIDA BUILDING CODE AND FLORIDA FIRE PREVENTION STANDARDS REQUIRED FOR APPROVAL.--

(a) Except as otherwise provided in paragraph (b), all public educational and ancillary plants constructed by a district school board or a community college district board of trustees must conform to the Florida Building Code and the Florida Fire Prevention Code, and such plants are exempt from all other state building codes; county, municipal, or other local amendments to the Florida Building Code and local amendments to the Florida Fire Prevention Code; building permits, and assessments of fees for building permits, except as provided in s. 553.80; ordinances; road closures; and impact fees or service availability fees. Any inspection by local or state government must be based on the Florida Building Code and the Florida Fire Prevention Code. Each board shall provide for periodic inspection of the proposed educational plant during each phase of construction to determine compliance with the state requirements for educational facilities.

(b) A district school board or community college district board of trustees may conform with the Florida Building Code and the Florida Fire Prevention Code and the administration of such codes when constructing ancillary plants that are not attached to educational facilities, if those plants conform to the space size requirements established in the codes.

(c) A district school board or community college district board of trustees may not approve any plans for the construction, renovation, remodeling, or demolition of any educational or ancillary plants unless these plans conform to the requirements of the Florida Building Code and the Florida Fire Prevention Code. Each district school board and community college district board of trustees may adopt policies for delegating to the superintendent or community college president authority for submitting documents to the department and for awarding contracts subsequent to and consistent with board approval of the scope, timeframes, funding source, and budget of a survey-recommended project.

(3) ENFORCEMENT BY BOARD.--It is the responsibility of each district school board and community college district board of trustees to ensure that all plans and educational and ancillary plants meet the standards of the Florida Building Code and the Florida Fire Prevention Code and to provide for the enforcement of these codes in the areas of its jurisdiction. Each board shall provide for the proper supervision and inspection of the work. Each board may employ a chief building official or inspector and such other inspectors, who have been certified pursuant to chapter 468,

and such personnel as are necessary to administer and enforce the provisions of this code. Boards may also utilize local building department inspectors who are certified by the department to enforce this code. Plans or facilities that fail to meet the standards of the Florida Building Code or the Florida Fire Prevention Code may not be approved. When planning for and constructing an educational, auxiliary, or ancillary facility, a district school board must use construction materials and systems that meet standards adopted pursuant to subparagraphs (1)(a)3. and 4. If the planned or actual construction of a facility deviates from the adopted standards, the district school board must, at a public hearing, quantify and compare the costs of constructing the facility with the proposed deviations and in compliance with the adopted standards and the Florida Building Code. The board must explain the reason for the proposed deviations and compare how the total construction costs and projected life-cycle costs of the facility or component system of the facility would be affected by implementing the proposed deviations rather than using materials and systems that meet the adopted standards. The provisions of this subsection do apply to educational, auxiliary, and ancillary facility projects commenced on or after July 1, 1999.

(4) ENFORCEMENT BY DEPARTMENT.--As a further means of ensuring that all educational and ancillary facilities hereafter constructed or materially altered or added to conform to the Florida Building Code standards or Florida Fire Prevention Code standards, each district school board and community college district board of trustees that undertakes the construction, renovation, remodeling, purchasing, or lease-purchase of any educational plant or ancillary facility, the cost of which exceeds $200,000, may submit plans to the department for approval.

(5) APPROVAL.--

(a) Before a contract has been let for the construction, the department, the board, or the board's authorized review agent must approve the phase III construction documents. A board may reuse prototype plans on another site, provided the facilities list and phase III construction documents have been updated for the new site and for compliance with the Florida Building Code and the Florida Fire Prevention Code and any laws relating to firesafety, health and sanitation, casualty safety, and requirements for the physically handicapped which are in effect at the time a construction contract is to be awarded.

(b) In reviewing plans for approval, the department, the board, or its review agent as authorized in s. 235.017, shall take into consideration:

1. The need for the new facility.

2. The educational and ancillary plant planning.

3. The architectural and engineering planning.

4. The location on the site.

5. Plans for future expansion.

6. The type of construction.

7. Sanitary provisions.

8. Conformity to Florida Building Code standards.

9. The structural design and strength of materials proposed to be used.

10. The mechanical design of any heating, air-conditioning, plumbing, or ventilating system. Typical heating, ventilating, and air-conditioning systems preapproved by the department for specific applications may be used in the design of educational facilities.

11. The electrical design of educational plants.

12. The energy efficiency and conservation of the design.

13. Life-cycle cost considerations.





14. The design to accommodate physically handicapped persons.

15. The ratio of net to gross square footage.

16. The proposed construction cost per gross square foot.

17. Conformity with the Florida Fire Prevention Code.

(c) The board may not occupy a facility until the project has been inspected to verify compliance with statutes, rules, and codes affecting the health and safety of the occupants. Verification of compliance with rules, statutes, and codes for nonoccupancy projects such as roofing, paving, site improvements, or replacement of equipment may be certified by the architect or engineer of record and verification of compliance for other projects may be made by an inspector certified by the department or certified pursuant to chapter 468 who is not the architect or engineer of record. The board shall maintain a record of the project's completion and permanent archive of phase III construction documents, including any addenda and change orders to the project. The boards shall provide project data to the department, as requested, for purposes and reports needed by the Legislature.

(6) REVIEW PROCEDURE.--The Commissioner of Education shall cooperate with the Florida Building Commission in addressing all questions, disputes, or interpretations involving the provisions of the Florida Building Code which govern the construction of public educational and ancillary facilities, and any objections to decisions made by the inspectors or the department must be submitted in writing.

(7) BIENNIAL REVIEW AND UPDATE; DISSEMINATION.--The department shall biennially review and recommend to the Florida Building Commission updates and revisions to the provisions of the Florida Building Code which govern the construction of public educational and ancillary facilities. The department shall publish and make available to each district school board and community college district board of trustees at no cost copies of the state requirements for educational facilities and each amendment and revision thereto. The department shall make additional copies available to all interested persons at a price sufficient to recover costs.

(8) EDUCATION FACILITIES AS EMERGENCY SHELTERS.--

(a) The Department of Education shall, in consultation with boards and county and state emergency management offices, include within the standards to be developed under subsection (1) public shelter design criteria that shall be incorporated into the Florida Building Code. The new criteria must be designed to ensure that appropriate core facility areas in new educational facilities can serve as public shelters for emergency management purposes. A facility, or an appropriate core facility area within a facility, for which a design contract is entered into subsequent to the effective date of the inclusion of the public shelter criteria in the code must be built in compliance with the amended code unless the facility or a part thereof is exempted from using the new shelter criteria due to its location, size, or other characteristics by the applicable board with the concurrence of the applicable local emergency management agency or the Department of Community Affairs. Any educational facility located or proposed to be located in an identified category 1, 2, or 3 evacuation zone is not subject to the requirements of this subsection. If the regional planning council region in which the county is located does not have a hurricane evacuation shelter deficit, as determined by the Department of Community Affairs, school districts within the planning council region are not required to incorporate the public shelter criteria into their construction of educational facilities.

(b) By January 31, 1996, and by January 31 every even-numbered year thereafter, the Department of Community Affairs shall prepare and submit a statewide emergency shelter plan to the Governor and the Cabinet for approval. The plan must identify the general location and square footage of existing shelters, by regional planning council region, and the general location and square footage of needed shelters, by regional planning council region, in the next 5 years. Such plan must identify the types of public facilities which should be constructed to comply with emergency shelter criteria and must recommend an appropriate, adequate, and dedicated source of funding for the additional cost of constructing emergency shelters within these public facilities. After the approval of the plan, a board may not be required to build more emergency shelter space than identified as needed in the plan, and decisions pertaining to exemptions pursuant to paragraph (a) must be guided by the plan.

(9) LOCAL LEGISLATION PROHIBITED.--After June 30, 1985, pursuant to s. 11(a)(21), Art. III of the State Constitution, there shall not be enacted any special act or general law of local application which proposes to amend, alter, or contravene any provisions of the State Building Code adopted under the authority of this section.

**History.**--s. 926, ch. 19355, 1939; CGL 1940 Supp. 892(312); s. 12, ch. 29754, 1955; s. 10, ch. 59-371; s. 117, ch. 65-239; s. 1, ch. 67-106; ss. 15, 18, 19, 35, ch. 69-106; s. 1, ch. 69-305; s. 1, ch. 70-196; s. 6, ch. 70-399; s. 9, ch. 74-374; s. 1, ch. 77-280; s. 15, ch. 77-458; s. 1, ch. 78-290; s. 1, ch. 79-71; s. 103, ch. 79-400; s. 9, ch. 80-414; ss. 27, 50, 52, ch. 81-223; ss. 10, 14, ch. 82-240; s. 1, ch. 83-163; s. 3, ch. 83-224; s. 1, ch. 84-349; ss. 16, 26, 27, ch. 85-116; ss. 1, 4, ch. 86-1; s. 1, ch. 88-202; s. 5, ch. 89-226; s. 15, ch. 89-278; s. 13, ch. 90-172; s. 11, ch. 90-241; s. 55, ch. 90-288; s. 2, ch. 90-320; s. 169, ch. 92-279; s. 55, ch. 92-326; s. 6, ch. 93-211; s. 6, ch. 94-292; ss. 18, 35, ch. 95-269; ss. 6, 11, ch. 95-341; s. 145, ch. 97-190; s. 6, ch. 97-265; s. 30, ch. 97-384; s. 16, ch. 99-329; s. 2, ch. 2000-140; s. 11, ch. 2000-141; s. 20, ch. 2001-61; s. 34, ch. 2001-186.

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Appendix J:
Category 5 – Shelter Demand Study Table

## Category 5 -Shelter Demand Study Table

| County | Cat5 Vulnerable Population (estimated) | HES Publication Year | 2000 Population | Average Annual Population Growth | 2004 Cat5 Vulnerable Population (estimated) | 2009 Cat5 Vulnerable Population (estimated) | Shelter Demand from HES | 2004 Shelter Demand | 2009 Shelter Demand | % of Demand/ Vuln Pop | Derived Data |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alachua | 25,300 | 1996 | 217,955 | 0.020 | 29,859 | 32,392 | 7,500 | 8,851 | 9,602 | 30 | Cedar Key Basin HES, pg 3-5 |
| Baker | 9,300 | 1998 | 22,259 | 0.020 | 10,629 | 11,578 | 1,850 | 2,114 | 2,303 | 20 | Northeast FL HES, pgs T-20-21 |
| Bay | 163,188 | 2000 | 148,217 | 0.017 | 174,097 | 187,733 | 14,022 | 14,959 | 16,131 | 9 | Northwest FL HES, YR 2000 Census Update Disk |
| Bradford | 6,700 | 1996 | 26,088 | 0.016 | 7,657 | 8,189 | 1,809 | 2,067 | 2,211 | 27 | Cedar Key Basin HES, pg 3-5 |
| Brevard | 226,680 | 2000 | 476,230 | 0.019 | 248,625 | 270,571 | 16,500 | 18,097 | 19,695 | 7 | East Central FL HES, Trans. Summary pg 3-5 |
| Broward | 434,475 | 2001 | 1,623,018 | 0.029 | 485,342 | 548,927 | 36,120 | 40,349 | 45,635 | 8 | Broward County HES: Model Support, pg C-4 |
| Calhoun | 3,300 | 1997 | 13,017 | 0.018 | 3,901 | 4,202 | 1,180 | 1,395 | 1,502 | 36 | Apalachee Bay HES, pg 3-5 |
| Charlotte | 177,669 | 2001 | 141,627 | 0.028 | 197,298 | 221,835 | 26,699 | 29,649 | 33,336 | 15 | Southwest FL HES, pg II-A-16 |
| Citrus | 73,100 | 1996 | 118,085 | 0.026 | 90,387 | 99,991 | 12,000 | 14,838 | 16,414 | 16 | Cedar Key Basin HES, pg 3-5 |
| Clay | 60,780 | 1998 | 140,814 | 0.033 | 74,761 | 84,747 | 8,400 | 10,332 | 11,712 | 14 | Northeast FL HES, pgs T-20-21 |
| Collier | 276,637 | 2001 | 251,377 | 0.065 | 348,864 | 439,147 | 33,196 | 41,863 | 52,697 | 12 | Southwest FL HES, pg II-C-9 |
| Columbia | 16,200 | 1996 | 56,513 | 0.033 | 20,956 | 23,598 | 4,374 | 5,658 | 6,371 | 27 | Cedar Key Basin HES, pg 3-5 |
| DeSoto | 14,218 | 1995 | 32,209 | 0.035 | 19,189 | 21,675 | 4,754 | 6,416 | 7,247 | 33 | Central FL HES, pg 11 |
| Dixie | 14,700 | 1996 | 13,827 | 0.031 | 18,752 | 21,003 | 2,100 | 2,679 | 3,000 | 14 | Cedar Key Basin HES, pg 3-5 |

## Category 5 -Shelter Demand Study Table

| County | Cat5 Vulnerable Population (estimated) | HES Publication Year | 2000 Population | Average Annual Population Growth | 2004 Cat5 Vulnerable Population (estimated) | 2009 Cat5 Vulnerable Population (estimated) | Shelter Demand from HES | 2004 Shelter Demand | 2009 Shelter Demand | % of Demand/ Vuln Pop | Derived Data |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Duval | 280,220 | 1998 | 778,879 | 0.016 | 311,089 | 333,139 | 29,490 | 32,739 | 35,059 | 11 | Northeast FL HES, pgs T-20-21 |
| Escambia | 130,686 | 2000 | 294,410 | 0.012 | 136,974 | 144,834 | 14,611 | 15,314 | 16,193 | 11 | Northwest FL HES, YR 2000 Census Update Disk |
| Flagler | 56,950 | 1998 | 49,832 | 0.074 | 77,915 | 98,879 | 4,400 | 6,668 | 8,287 | 9 | Northeast FL HES, pgs T-20-21 |
| Franklin | 11,300 | 1997 | 11,057 | 0.023 | 13,934 | 15,251 | 150 | 185 | 202 | 1 | Apalachee Bay HES, pg 3-5 |
| Gadsden | 11,400 | 1997 | 45,087 | 0.010 | 12,501 | 13,052 | 3,560 | 3,904 | 4,076 | 31 | Apalachee Bay HES, pg 3-5 |
| Gilchrist | 5,300 | 1996 | 14,437 | 0.049 | 7,654 | 8,961 | 1,431 | 2,066 | 2,420 | 27 | Cedar Key Basin HES, pg 3-5 |
| Glades | 14,995 | 2001 | 10,576 | 0.039 | 17,354 | 20,302 | 5,098 | 5,900 | 6,902 | 34 | Southwest FL HES, pg II-F-18 |
| Gulf | 12,400 | 1997 | 13,332 | 0.016 | 14,370 | 15,356 | 730 | 846 | 904 | 6 | Apalachee Bay HES, pg 3-5 |
| Hamilton | 4,500 | 1996 | 13,327 | 0.022 | 5,388 | 5,882 | 1,215 | 1,455 | 1,588 | 27 | Cedar Key Basin HES, pg 3-5 |
| Hardee | 11,452 | 1995 | 26,938 | 0.038 | 15,821 | 18,006 | 6,989 | 9,655 | 10,989 | 61 | Central FL HES, pg 11 |
| Hendry | 15,749 | 2001 | 36,210 | 0.040 | 18,300 | 21,489 | 5,355 | 6,222 | 7,307 | 34 | Southwest FL HES, pg II-E-16 |
| Hernando | 76,500 | 1996 | 130,802 | 0.029 | 96,714 | 107,944 | 13,700 | 17,320 | 19,331 | 18 | Cedar Key Basin HES, pg 3-5 |
| Highlands | 31,650 | 1995 | 87,366 | 0.028 | 40,407 | 44,786 | 17,424 | 22,245 | 24,655 | 55 | Central FL HES, pg 11 |
| Hillsborough | 468,701 | 2000 | 998,948 | 0.020 | 515,033 | 561,364 | 122,587 | 134,705 | 146,823 | 26 | Tampa Bay HES, pg 9 |
| Holmes | 5,080 | 2000 | 18,564 | 0.018 | 5,529 | 5,977 | 1,300 | 1,415 | 1,530 | 26 | Northwest FL HES, pgs 3-10 |
| Indian River | 83,154 | 2003 | 112,947 | 0.025 | 85,250 | 95,731 | 6,633 | 6,800 | 7,636 | 8 | Treasure Coast HES, Trans. Summary pg 3-5 |

## Category 5 -Shelter Demand Study Table

| County | Cat5 Vulnerable Population (estimated) | HES Publication Year | 2000 Population | Average Annual Population Growth | 2004 Cat5 Vulnerable Population (estimated) | 2009 Cat5 Vulnerable Population (estimated) | Shelter Demand from HES | 2004 Shelter Demand | 2009 Shelter Demand | % of Demand/ Vuln Pop | Derived Data |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Jackson | 10,300 | 1997 | 46,755 | 0.013 | 11,639 | 12,309 | 3,530 | 3,989 | 4,219 | 34 | Apalachee Bay HES, pg 3-5 |
| Jefferson | 5,400 | 1997 | 12,902 | 0.014 | 6,168 | 6,552 | 770 | 879 | 934 | 14 | Apalachee Bay HES, pg 3-5 |
| Lafayette | 2,700 | 1996 | 7,022 | 0.026 | 3,329 | 3,679 | 729 | 899 | 993 | 27 | Cedar Key Basin HES, pg 3-5 |
| Lake | 91,600 | 2000 | 210,528 | 0.038 | 109,192 | 126,784 | 13,700 | 16,331 | 18,962 | 15 | East Central FL HES, Trans. Summary pg 3-6 |
| Lee | 466,740 | 2001 | 440,888 | 0.032 | 525,669 | 599,330 | 93,348 | 105,134 | 119,866 | 20 | Southwest FL HES, pg II-B-9 |
| Leon | 40,000 | 1997 | 239,452 | 0.024 | 49,758 | 54,637 | 10,100 | 12,564 | 13,796 | 25 | Apalachee Bay HES, pg 3-5 |
| Levy | 22,600 | 1996 | 34,450 | 0.033 | 29,302 | 33,025 | 4,000 | 5,186 | 5,845 | 18 | Cedar Key Basin HES, pg 3-5 |
| Liberty | 2,700 | 1997 | 7,021 | 0.026 | 3,404 | 3,756 | 915 | 1,154 | 1,273 | 34 | Apalachee Bay HES, pg 3-5 |
| Madison | 5,500 | 1996 | 18,733 | 0.013 | 6,146 | 6,506 | 1,485 | 1,660 | 1,757 | 27 | Cedar Key Basin HES, pg 3-5 |
| Manatee | 152,622 | 2000 | 264,002 | 0.025 | 171,472 | 190,322 | 37,761 | 42,425 | 47,089 | 25 | Tampa Bay HES, pg 9 |
| Marion | 71,000 | 1996 | 258,916 | 0.033 | 92,017 | 103,693 | 21,750 | 28,188 | 31,765 | 31 | Cedar Key Basin HES, pg 3-5 |
| Martin | 98,759 | 2003 | 126,731 | 0.026 | 101,287 | 113,929 | 8,060 | 8,266 | 9,298 | 8 | Treasure Coast HES, Trans. Summary pg 3-5 |
| Miami-Dade | 689,321 | 2003 | 2,253,362 | 0.016 | 700,571 | 756,823 | 58,525 | 59,480 | 64,256 | 8 | Miami-Dade HES Restudy, pg 3-5 |
| Monroe | 97,100 | 2001 | 79,589 | 0.002 | 97,490 | 98,463 | 4,855 | 4,894 | 4,943 | 5 | FL Keys HES, pg 14 |
| Nassau | 50,480 | 1998 | 57,663 | 0.031 | 61,515 | 69,397 | 4,100 | 4,996 | 5,636 | 8 | Northeast FL HES, pgs T-20-21 |

## Category 5 -Shelter Demand Study Table

| County | Cat5 Vulnerable Population (estimated) | HES Publication Year | 2000 Population | Average Annual Population Growth | 2004 Cat5 Vulnerable Population (estimated) | 2009 Cat5 Vulnerable Population (estimated) | Shelter Demand from HES | 2004 Shelter Demand | 2009 Shelter Demand | % of Demand/ Vuln Pop | Derived Data |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Okaloosa | 122,014 | 2000 | 170,498 | 0.019 | 131,085 | 142,423 | 12,050 | 12,946 | 14,066 | 10 | Northwest FL HES, YR 2000 Census Update Disk |
| Okeechobee | 23,354 | 1995 | 35,910 | 0.021 | 28,307 | 30,783 | 16,072 | 19,480 | 21,185 | 69 | Central FL HES, pg 11 |
| Orange | 80,200 | 2000 | 896,344 | 0.032 | 93,154 | 106,107 | 12,000 | 13,938 | 15,876 | 15 | East Central FL HES, Trans. Summary pg 3-5 |
| Osceola | 50,700 | 2000 | 172,493 | 0.060 | 65,940 | 81,180 | 7,600 | 9,885 | 12,169 | 15 | East Central FL HES, Trans. Summary pg 3-6 |
| Palm Beach | 425,617 | 2003 | 1,131,184 | 0.031 | 438,811 | 504,780 | 40,751 | 42,014 | 48,331 | 10 | Treasure Coast HES, Trans. Summary pg 3-5 |
| Pasco | 223,396 | 2000 | 344,765 | 0.023 | 248,679 | 273,962 | 57,373 | 63,866 | 70,359 | 26 | Tampa Bay HES, pg 9 |
| Pinellas | 589,416 | 2000 | 921,482 | 0.008 | 613,578 | 637,739 | 123,971 | 129,053 | 134,135 | 21 | Tampa Bay HES, pg 9 |
| Polk | 72,224 | 1995 | 483,924 | 0.019 | 86,217 | 93,214 | 35,049 | 41,840 | 45,235 | 49 | Central FL HES, pg 11 |
| Putnam | 53,520 | 1998 | 70,423 | 0.008 | 56,602 | 58,803 | 8,970 | 9,487 | 9,856 | 17 | Northeast FL HES, pgs T-20-21 |
| St. Johns | 136,840 | 1998 | 123,135 | 0.047 | 181,753 | 213,834 | 7,400 | 9,829 | 11,564 | 5 | Northeast FL HES, pgs T-20-21 |
| St. Lucie | 77,377 | 2003 | 192,695 | 0.028 | 79,568 | 90,524 | 6,479 | 6,662 | 7,580 | 8 | Treasure Coast HES, Trans. Summary pg 3-5 |
| Santa Rosa | 73,654 | 2000 | 117,743 | 0.044 | 86,699 | 103,006 | 7,609 | 8,957 | 10,641 | 10 | Northwest FL HES, YR 2000 Census Update Disk |
| Sarasota | 229,289 | 2001 | 325,957 | 0.017 | 245,197 | 265,083 | 45,858 | 49,040 | 53,017 | 20 | Southwest FL HES, pg II-D-14 |

## Category 5 -Shelter Demand Study Table

| County | Cat5 Vulnerable Population (estimated) | HES Publication Year | 2000 Population | Average Annual Population Growth | 2004 Cat5 Vulnerable Population (estimated) | 2009 Cat5 Vulnerable Population (estimated) | Shelter Demand from HES | 2004 Shelter Demand | 2009 Shelter Demand | % of Demand/ Vuln Pop | Derived Data |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Seminole | 20,200 | 2000 | 365,196 | 0.027 | 22,929 | 25,657 | 3,000 | 3,405 | 3,810 | 15 | East Central FL HES, Trans. Summary pg 3-6 |
| Sumter | 18,100 | 1996 | 53,345 | 0.069 | 29,330 | 35,568 | 4,887 | 7,919 | 9,603 | 27 | Cedar Key Basin HES, pg 3-5 |
| Suwannee | 13,000 | 1996 | 34,844 | 0.030 | 16,523 | 18,480 | 3,510 | 4,461 | 4,990 | 27 | Cedar Key Basin HES, pg 3-5 |
| Taylor | 11,800 | 1996 | 19,256 | 0.013 | 13,131 | 13,871 | 2,050 | 2,281 | 2,410 | 17 | Cedar Key Basin HES, pg 3-5 |
| Union | 13,000 | 1996 | 13,442 | 0.031 | 16,641 | 18,663 | 945 | 1,210 | 1,357 | 7 | Cedar Key Basin HES, pg 3-5 |
| Volusia | 272,430 | 2000 | 443,343 | 0.020 | 299,107 | 325,783 | 27,500 | 30,193 | 32,886 | 10 | East Central FL HES, Trans. Summary pg 3-5 |
| Wakulla | 15,550 | 1997 | 22,863 | 0.061 | 25,033 | 29,775 | 470 | 757 | 900 | 3 | Apalachee Bay HES, pg 3-5 |
| Walton | 52,509 | 2000 | 40,601 | 0.046 | 62,226 | 74,372 | 4,102 | 4,861 | 5,810 | 8 | Northwest FL HES, YR 2000 Census Update Disk |
| Washington | 5,588 | 2000 | 20,973 | 0.024 | 6,257 | 6,927 | 1,400 | 1,534 | 1,702 | 25 | Northwest FL HES, pgs 3-10 |
| **Statewide** | 7,108,884 | | 15,984,378 | 0.024 | 7,920,275 | 8,816,275 | 1,097,851 | 1,236,369 | 1,369,872 | 16 | |

# Emergency Service Function 8 (ESF 8) Health and Medical

## Florida's Strength of Response

Nancy Humbert, A.R.N.P., M.S.N.
Deputy Secretary for Health
State Director of Public Health Nursing
Women's Health Strategy Officer

# ESF 8 Health and Medical Purpose

- The purpose of Florida Emergency Support Function 8 (ESF8) is to coordinate the State's health and medical resources, capabilities, capacities, and response in an "All Hazards" environment during natural or man-made disasters.
- To develop an integrated and comprehensive statewide ESF 8 health and medical response SYSTEM.

# ESF 8 Major Partners

- Department of Health (Lead)
- Agency for Health Care Administration
- Department of Elder Affairs
- Department of Agriculture
- Department of Children & Families
- Florida Hospital Association
- Florida Health Care Association
- Florida Home Health Care Association
- Florida Nursing Association
- Federal Partners

# ESF 8 Key Support Partners

- ESF 4 & 9 EMS deployment and SAR
- ESF 5 Information & Planning
- ESF 6 Mass Care
- ESF 7 Resource Support (Logistics)
- ESF 10 Hazmat
- ESF 11 Food & Water
- ESF 13 Military Support
- ESF 14 Media Relations
- ESF 15 Volunteers & Donations
- ESF 16 Law Enforcement

# ESF 8 Responsibilities

- Mass Casualty Systems
- Epidemiology/Disease Control
- Immunizations
- Facility Assessments
- Evacuation/Relocation
- Risk Communications
- Nutritional Services
- Statistical Reporting
- Behavioral Health/CISD
- Rapid Impact Assessment/Urban Search & Rescue Teams
- DEET (Bug Spray)
- Renal Facility Support

# ESF 8 Responsibilities

- Environmental Health Services
- County Health Dept. Support
- Lab Services
- FEMORS/DMORT
- SanPacs
- Oxygen
- EMS Services
- Hospital Infrastructure/staffing
- Disaster Medical Assessment Teams
- Special Needs Shelters (Equipping & Staffing)
- Pharmaceutical Deployment

# Florida Strengths

- Utilize Incident Command System.
- Health and Medical response is predicated on strong relationships.
- Emphasis is on health and medical "systems" which are integrated, interdependent, and focused on the mission.
- Focus on continuous planning and analysis
- Pre-staging resources for deployment.
- Rapid damage assessments.
- Aggressive communications with facilities

# Florida Strengths

- Focused on local support.
- Collaborative planning, training, and exercising with federal, state, and county partners.
- Federal partners are integrated into the management structure.
- System of continuous improvement.
- Model sheltering and discharge system.
- Transportable to other areas.

# ESF 8 Katrina Response

- Area of Operations - lower 6 counties of Mississippi (most severely impacted)
- ESF 8 part of first-in command team and managed ESF 8 system.
- Instrumental in re-establishing the health and medical system.
- Established communications linkages.

# ESF 8 Katrina Response

- Conducted damage assessments of over 60 health care facilities (AHCA).
- Provided immunizations for first responders and victims.
- Provided Critical Incident Stress Debriefings
- Established and managed shelters.
- Still providing services to Internally Displaced Persons (IDP's).
- Worked to establish and implement a system to manage mass fatalities.
- Seamless hand-off to Kentucky.

# ESF 8 Katrina Deployments

- 384 ESF 8 personnel deployed (including 140 EMS personnel and 56 Advanced Life Support Units. (with ESF 4&9)
- Three teams of architects, engineers, and industrial hygienists. (AHCA)
- Coordinated 88 hospital patients transported out of disaster area to Miami, Tampa, Orlando, and Jacksonville (NDMS)
- 200 SEOC staff to support personnel in the field.
- Acquired and managed health and medical supplies for logistical staging area in Miss.

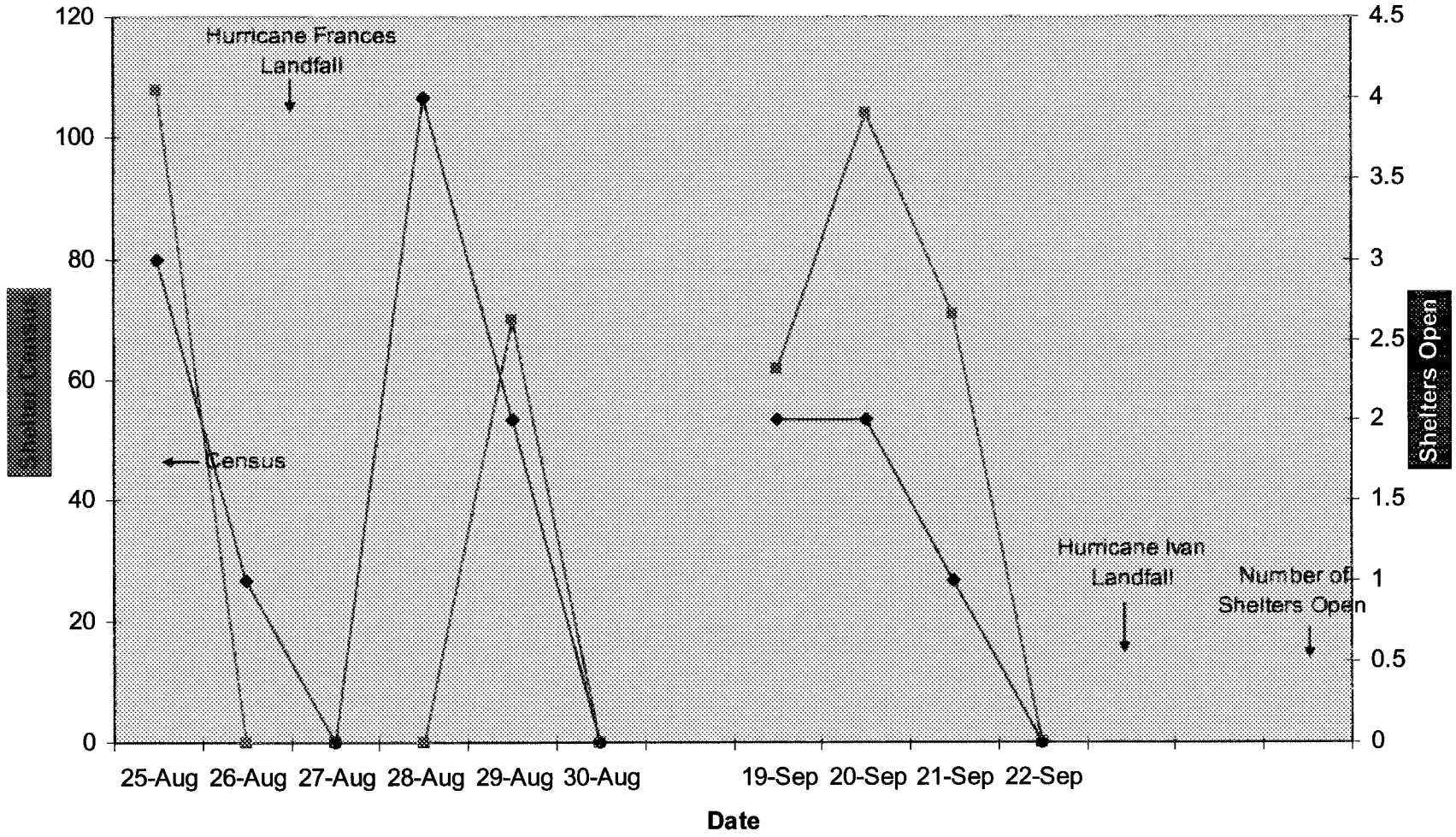
# Thank You

## Questions?

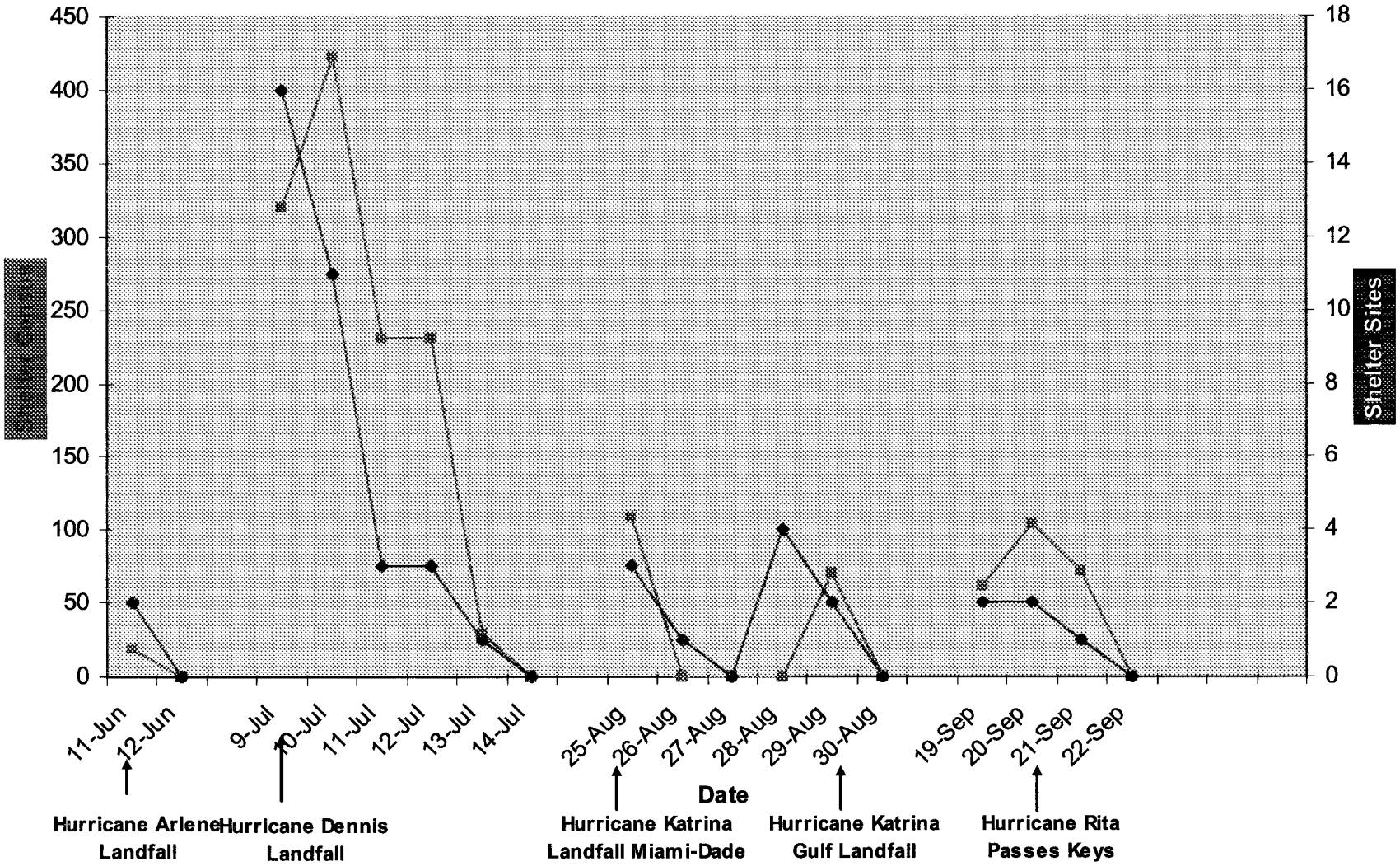
If you have any additional questions, or need any additional information, please e-mail Ray Runo at the following e-mail address:

Raymond_Runo@doh.state.fl.us

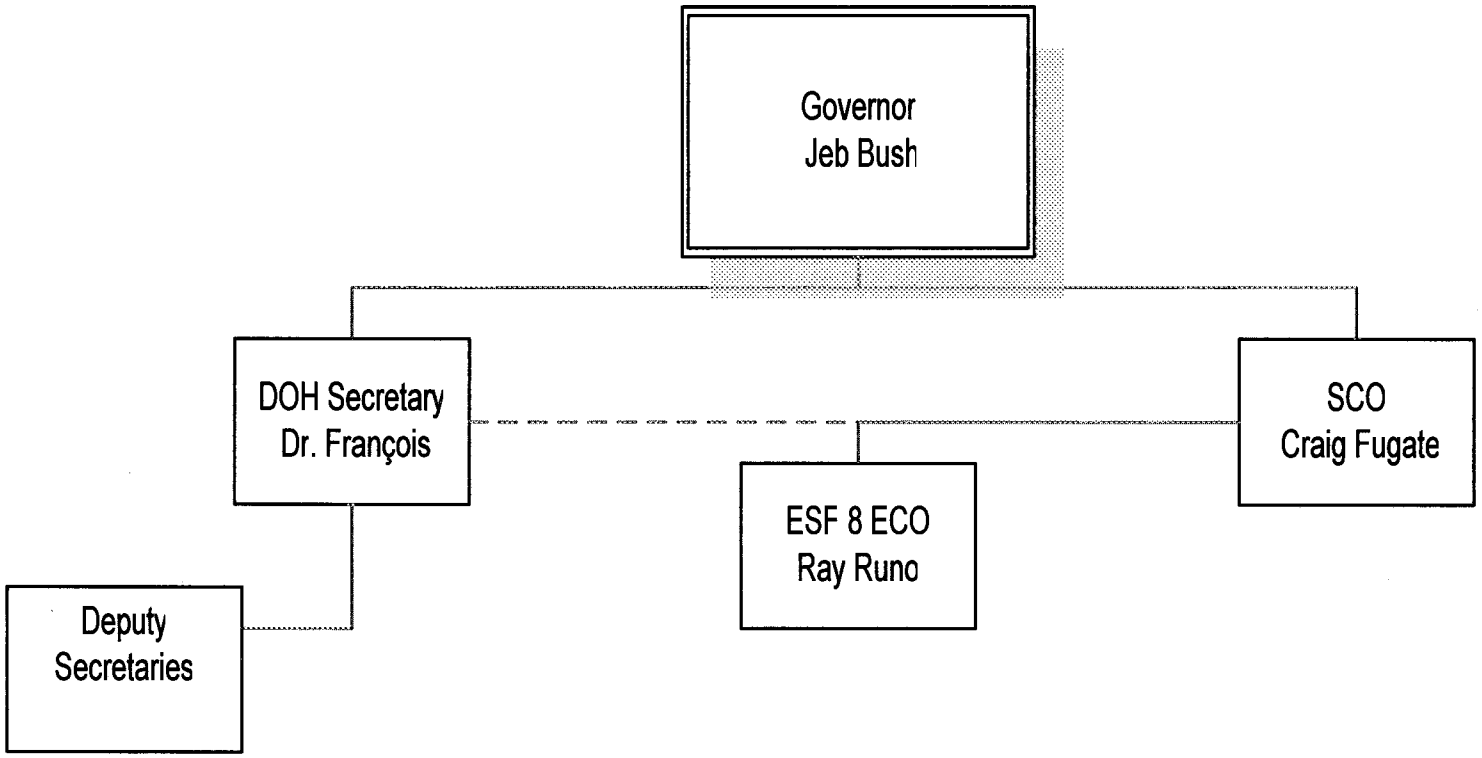
## Florida Department of Health
## Cumulative Special Needs Shelter (SpNS) Census and Site Statistics

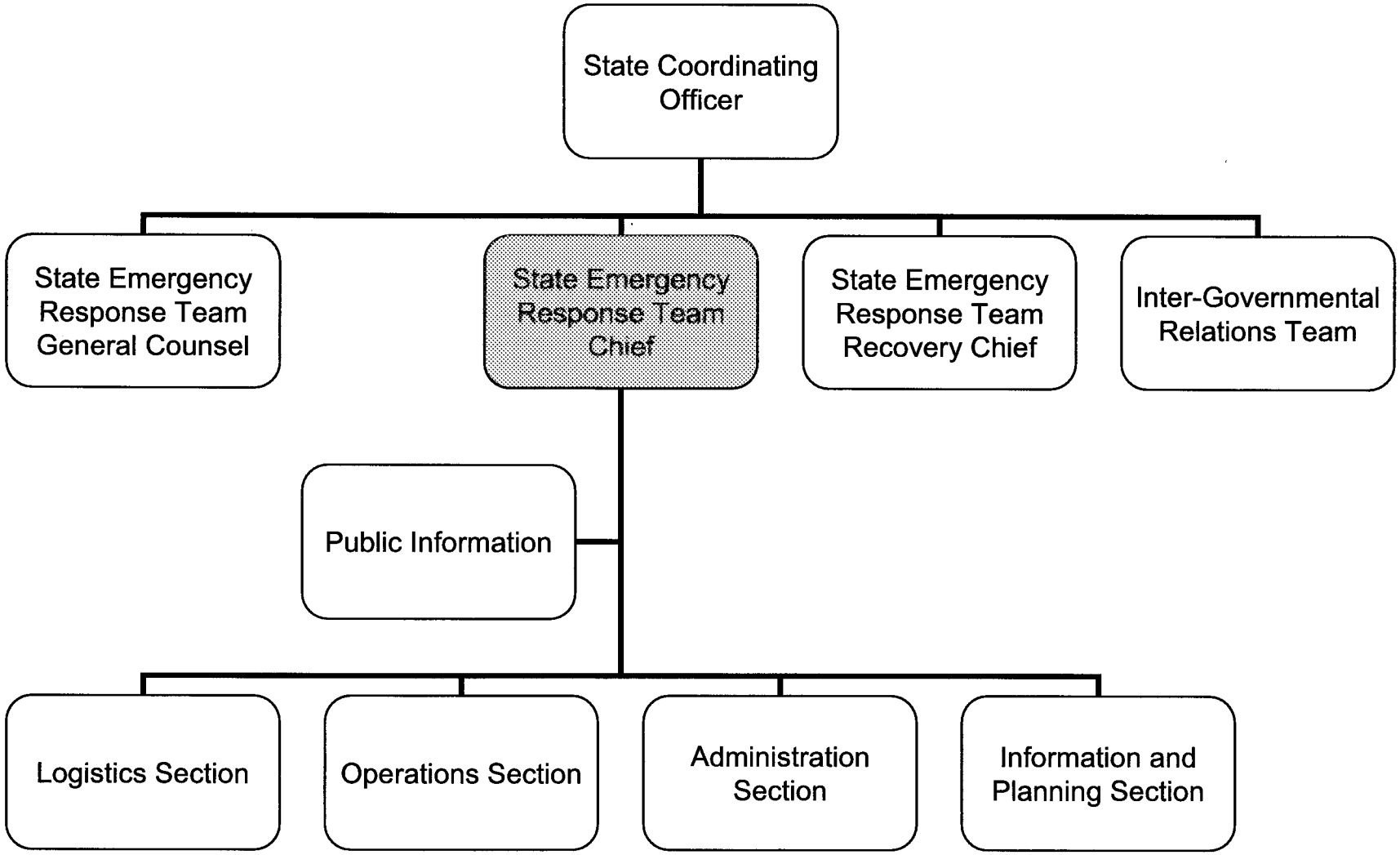


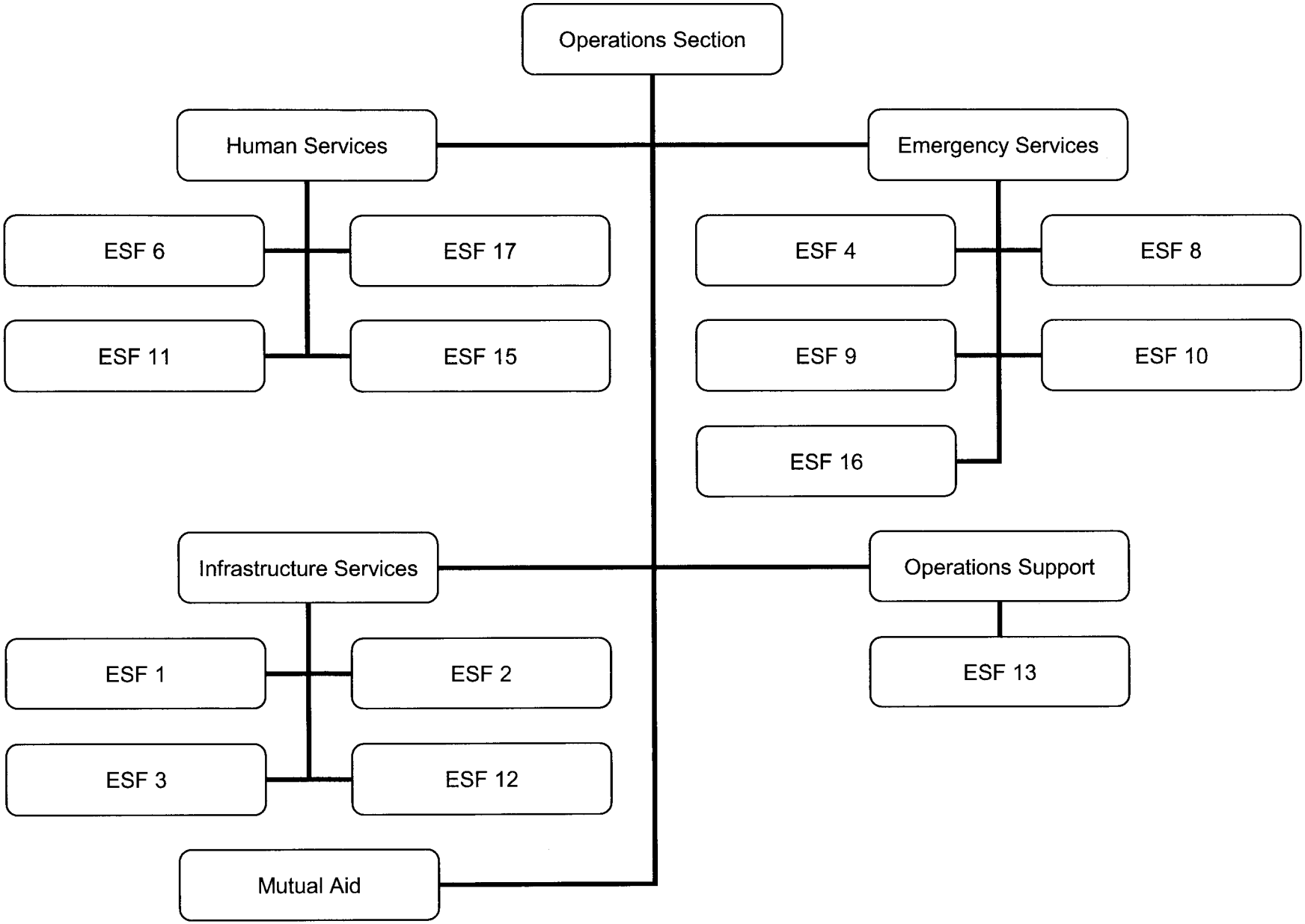
## Florida Department of Health
## Special Needs Shelter (SpNS) Census and Site Statistics



# ESF8 Organizational Chart




State Coordinating Officer
State Emergency Response Team General Counsel
State Emergency Response Team Chief
State Emergency Response Team Recovery Chief
Inter-Governmental Relations Team
Public Information
Logistics Section
Operations Section
Administration Section
Information and Planning Section


Operations Section
Human Services
Emergency Services
ESF 6
ESF 17
ESF 11
ESF 15
ESF 4
ESF 8
ESF 9
ESF 10
ESF 16
Infrastructure Services
Operations Support
ESF 1
ESF 2
ESF 3
ESF 12
ESF 13
Mutual Aid