



SHELTER DEVELOPMENT REPORT

STATE OF FLORIDA 2023

Outlines the **State of Florida's** current hurricane evacuation shelter capacity and provides a recommendation on retrofit projects utilizing state funds to strengthen existing structures and increase the capacity to support Florida's vulnerable populations.

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EXECUTIVE SUMMARY

The Florida Division of Emergency Management (Division), as directed by Section [252.385, Florida Statutes](#), annually publishes the *Shelter Development Report*. This report provides a list of facilities recommended to be developed for use as hurricane evacuation public shelters using State funds.

Following the publishing of the 2022 *Statewide Emergency Shelter Plan* (SESP), the Division formed the SESP Working Group (Group). The Group has developed a uniform formula for calculating hurricane evacuation shelter space demand and maintenance of the SESP.

The current SESP inventory identifies 982,288 hurricane evacuation shelter spaces available in Florida.¹ An additional 41,545 spaces are expected to become available within the next five years through the retrofitting or construction of previously identified buildings that are actively under contract, bringing the statewide total to 1,023,833 spaces.

This report recommends 353 shelter development projects at an estimated cost of \$70,192,446, adding an estimated 120,752 new shelter spaces to the State's shelter inventory. If all recommended projects were completed, the statewide cumulative total spaces could increase to 1,144,585¹ spaces.

While the inventory of hurricane evacuation shelter space has increased statewide since the inception of the Shelter Development Program, inventory fluctuates and will continue to decrease statewide with the aging of the current stock of public facilities and the approaching end of the useful life of products in older retrofit projects, unless the program continues. As existing buildings constructed to older building codes continue to age, replacement facilities, such as new construction or retrofitting of recently constructed facilities, will be needed to ensure that state hurricane evacuation shelter space capacities meet both current and future needs. Furthermore, changes in Federal Emergency Management Agency (FEMA) flood maps and National Weather Service (NWS) storm surge inundation maps have reduced the previously recognized quantity of hurricane evacuation shelter space in some regions. As the population of Florida continues to grow and development continues in risk-prone areas, the need for suitable hurricane evacuation facilities will continue to increase.

Each year, \$3 million is dedicated to the Shelter Development Program through the Hurricane Loss Mitigation Program (HLMP) as part of the Florida Hurricane Catastrophe Fund (Section [215.555\(7\)\(c\), Florida Statutes](#)). Since the program's inception in the early 1990s, the amount allocated for shelter development projects has not increased. At the same time, inflation and rising construction costs have decreased the number of projects able to be completed. Retrofit costs have increased by approximately \$333 per space (20 sq. ft.), decreasing the number of shelter spaces created annually. Additionally, shelter planners are preparing for an increase in demand for special needs shelter (SpNS) spaces, which are larger and more expensive, increasing the costs for new spaces statewide. To keep pace with increasing retrofit/new construction costs and demand for larger space allocations, the Division recommends an increase in funding for the Hurricane Loss Mitigation Program (HLMP) Shelter Development Program from \$3 million in 2023-2024 to \$10 million in 2024-2025.

¹ Information was provided prior to sustained impacts from Hurricane Ian, Hurricane Nicole and Hurricane Idalia. Information is subject to change.

I. OVERVIEW

A. PURPOSE

In 1993, following Hurricane Andrew which made landfall in 1992 as a Category 5 hurricane, Chapter [252, Florida Statutes](#), added, “The Legislature intends that this state not have a deficit of safe public hurricane evacuation shelter space... .” (Section [252.385\(1\), Florida Statutes](#)). By the late 1990s, the state’s deficit of safe public hurricane evacuation shelter spaces exceeded one million. The concern for an adequate amount of space to accommodate the expected evacuating populations led to a statewide program of surveying and inventorying facilities that could house evacuees when hurricanes threaten. By direction of the Legislature, the Division annually issues the *Shelter Development Report* (“report”), providing a list of facilities recommended to be retrofitted or constructed using state funds. The objective of development is to improve relative safety and reduce the state’s hurricane evacuation shelter space deficit.

The assessments of available spaces in this report reflect only those listed in the current SESP inventory that meet the state’s minimum hurricane safety guidelines, which include protection from high winds, coastal storm surge, and inland flood waters. Florida recognizes the square footage space recommendations for general populations set by the American Red Cross (ARC) to standardize the need and evaluate the adequacy of spaces (20 sq. ft./space). Special needs spaces, which by practice in Florida are increased to accommodate equipment and caregiving needs, are three times the single client space at 60 sq. ft./space. During a public health emergency, the minimum space requirement for general population and special needs hurricane evacuation shelters is increased to 60 sq. ft./evacuee.

The report is provided to the President of the Senate, the Speaker of the House of Representatives, and the Governor, and recommends and prioritizes development projects based on each Regional Planning Council (RPC) public hurricane evacuation space status.

B. CURRENT SITUATION

In Florida, every county is at risk for hurricanes and hurricane-related hazards, including flooding, storm surge, high winds, and power outages. These hazards place specific physical, geographical, and infrastructure limitations on what is recognized as a suitable and safe hurricane evacuation space. Florida is particularly vulnerable to tropical systems, with four (4) major hurricanes making landfall in the past six (6) years (Irma, Michael, Ian, Idalia). These large systems result in impacts well inland, including non-coastal counties, further underscoring the need for shelter spaces in all regions.

Most Florida hurricane evacuation shelters are buildings that serve another public purpose during day-to-day operations, such as schools and publicly-owned civic or recreation centers. Cumulatively, the state has sufficient space available for the general population during evacuations. Still, deficits remain in both individual counties, RPC regions, and when the public health emergency metric is applied.

The Legislature ([HB 705](#)) also requires one general population shelter per county to accept pets. 13 counties do not have adequate facilities to accommodate pets. Development of additional space is needed for individuals who would not otherwise evacuate an unsafe area during a storm without bringing their pet with them¹.

Following the 2020 public health emergency, evacuation shelter space requirements were updated to 60 sq. ft./evacuee to support social distancing, effectively cutting the available general population spaces by two-thirds. Statewide, there are insufficient spaces to meet general population demand during a public health emergency in all 67 counties. Through [SB 2006](#), the Legislature requires the Division to track space availability in the event of any potential public health emergency. Factoring in public health emergency spacing requirements into evacuation planning further underscores the importance of increasing available shelter spaces through development projects.

For the past two decades, the deficit in hurricane evacuation shelter space has decreased statewide due to newer constructed public school buildings meeting the Enhanced Hurricane Protection Area (EHPA) code provisions, additional buildings identified with as-is space, and others retrofitted when needed.

To accomplish development projects, a dedicated state funding source in the amount of \$3 million was specified by the Governor and Legislature within the Hurricane Loss Mitigation Program (HLMP) in [215.555\(7\)\(c\), Florida Statutes](#), from part of the Florida Hurricane Catastrophe Fund. Since the dedication of the program, the amount allocated to retrofit projects has not increased, while inflation and rising construction costs has decreased the number of projects able to be completed. The future safety of all our vulnerable citizens relies on the funding provided to increase the statewide public hurricane evacuation space inventory.

C. IMPACTS OF FUNDING CESSATION

The State Shelter Development Program is the only reliable source of hurricane evacuation shelter space development funds and is needed to support shelter deficit reduction. In RPC regions where the deficit of hurricane evacuation shelter space has been eliminated, by statute and code, additional EHPA-compliant structures are not required to be built. This may leave individual counties currently having shelter space deficits with no other options for developing additional space within new or existing facilities. Also, the preference for larger rooms with more square footage (e.g., a gymnasium compared to a classroom) and the need for standby electrical system support for special needs spaces has increased costs per hurricane evacuation shelter space.

The cost to retrofit each space has increased incrementally during the program’s life and exponentially in the last three years, while the annual allocation has never increased since its initial dedication. Before 2008, the running average to develop each 20 sq. ft. space was about \$165. This average is now closer to \$581.67 per 20 sq. ft. space (Table 1-1). Accordingly, the development of space for Special Needs Shelters (SpNS) requires three times the average cost of a general population space.

Per the IRS Information Letter referencing Index No. 61.00-00, dated November 21, 1994, obligations under contract cannot exceed the money in the Florida Hurricane Catastrophe Fund, which obligates \$3 million of HLMP funding to the Shelter Development Program. To keep pace with increasing construction costs and demand for larger space allocations and using the number of spaces created in 2008 as a baseline, the HLMP shelter development program should be increased from its current annual funding to become \$10 million (Table 1-2).

| Table 1-1: Decrease in Spaces Added Over Time with Fixed HLMP Allocation | | | |
|---|-------------------|---------------------------|-------------------------|
| Year | Cost/Space | Funding Allocation | # Spaces Created |
| 2008 | \$165.00 | \$3,000,000 | 18,181 |
| 2023 | \$581.67 | \$3,000,000 | 5,157 (-13,024) |

| Table 1-2: Justification for Raising Annual HLMP Allocation | | | |
|--|-------------------|-------------------------------------|------------------------------------|
| Year | Cost/Space | Maintain 2008 # Spaces Added | Funding Allocation Required |
| 2008 | \$165.00 | 18,181 | \$3,000,000 |
| 2023 | \$581.67 | 18,181 | \$10,575,342.27 |

As illustrated in Table 1-3, from 1999 to 2013, about \$80 million in federal and state funds were committed toward retrofitting suitable facilities, which funded about 486,000 hurricane evacuation shelter spaces. It is noted that federal funding was allowed through a separate program in the years 1999-2002. Subsequent changes in the federal guidelines and definitions of “shelter” have meant that federal funding for hurricane evacuation shelter development is no longer available. Beginning in 2003, state funds allocated from the HLMP alone have been used for shelter space development. With currently allocated funds of \$3 million annually through 2032, an estimated 46,413 (5,157/year) general population spaces will be added to the inventory of safe shelter space for Florida’s residents and visitors. With the continued growth of Florida’s population, the

need for shelter space will continue. If the funding is not increased, the preparedness of Florida’s hurricane response will be severely diminished at both the state and local levels.

| Table 1-3: Historical Summary of Florida's Hurricane Shelter Retrofit Program | | | | |
|--|------------------------------------|-----------------------------------|--|----------------------|
| Report Year | Annual Recommended Projects | Potential Spaces if Funded | Federal & State Funded Completed Projects | Spaces Gained |
| 1999 | \$16,185,193 | 88,679 | \$8,473,341 | 72,230 |
| 2000 | \$36,399,457 | 250,362 | \$25,572,795 | 119,087 |
| 2001 | \$26,943,516 | 119,905 | \$5,233,731 | 20,574 |
| 2002 | \$26,959,668 | 157,326 | \$4,735,113 | 41,710 |
| 2003 | \$23,349,714 | 137,985 | \$3,000,000 | 33,381 |
| 2004 | \$13,457,737 | 93,967 | \$7,500,000 | 68,765 |
| 2005 | \$11,882,722 | 68,882 | \$3,000,000 | 24,481 |
| 2006 | \$8,683,049 | 54,415 | \$3,000,000 | 13,820 |
| 2007 | \$10,956,377 | 82,930 | \$6,607,263 ^b | 25,645 ^a |
| 2008 | \$13,432,213 | 85,997 | \$0 | 0 ^c |
| 2009 | \$11,777,884 | 69,465 | \$3,000,000 | 14,427 |
| 2010 | \$15,634,282 | 120,447 | \$1,750,000 | 7,920 ^d |
| 2011 | \$20,337,203 | 109,308 | \$2,250,000 | 14,974 |
| 2012 | \$14,707,717 | 110,394 | \$3,000,000 | 14,408 |
| 2013 | \$12,745,072 | 87,150 | \$3,000,000 | 14,810 |
| 2014 | \$13,994,180 | 107,236 | \$3,000,000 | 12,691 ^e |
| 2015 | \$15,188,945 | 117,609 | \$3,000,000 | 11,165 ^e |
| 2016 | \$13,465,342 | 69,541 | \$3,000,000 | 6,250 ^e |
| 2017 | \$13,794,763 | 65,303 | \$3,000,000 | 6,250 ^e |
| 2018 | \$23,189,218 | 108,104 | \$3,000,000 | 6,250 ^e |
| 2019 | \$30,864,820 | 141,050 | \$3,000,000 | 6,250 ^e |
| 2020 | \$27,068,133 | 114,226 | \$3,000,000 | 6,250 ^e |
| 2021 | \$31,181,782 | 100,350 | \$3,000,000 | 6,250 ^e |
| 2022 | \$6,489,792 | 11,860 | \$1,587,909 | 3,308 |
| 2023 | \$6,819,390.72 | 11,722 | \$0.00 | 0 |
| TOTAL | \$445,508,170 | 2,484,213 | \$105,710,152 | 550,896 |

^a \$6,607,263 was based on federal funds plus state match for FY 2007/2008 HB7121 and non-federal matched projects from Special Appropriation 1621X

^b 25,645 spaces were gained from HB 7121 & 1621X shelter retrofit projects

^c For Fiscal Year 08-09, no funds were appropriated for the Shelter Development Report

^d 7,920 reflects gain from FY 2010/2011 Specific Appropriation 1617 at \$1,750,000

^e FY 14-15 through FY 21-22 funding partially allocated (funding is obligated or under contract). Total spaces gained are estimated to be 50,000 (\$3 million annually / \$480 per space)

II. STRATEGY FOR PUBLIC SHELTER DEFICIT REDUCTION

Per Section 252.35, Florida Statutes, the Division is responsible for developing a strategy to eliminate the deficit of public hurricane evacuation shelter space in Florida. To accomplish this task, the Division developed the following multifaceted approach:

A. Develop and Implement the Model Hurricane Evacuation Shelter Survey Guidelines

The Division administers a survey program of existing schools, universities, community colleges, and other state, county, and municipally owned public buildings. Survey criteria include coastal, riverine, and lake storm surges; rainfall flooding and high wind hazards; and a basic Least-Risk Decision Making (LRDM) model and report format. The survey reports give preference to building qualities or features that performed well during Hurricane Andrew and avoid (or mitigate) those that performed poorly, and are updated to accommodate modern building codes, standards, guidelines, and practices.

B. Implement Hurricane Evacuation Shelter Survey Program

The Division completed the development and implementation of the LRDM survey and report procedures by 1997 and completed the first statewide baseline survey in 2005. The survey program continues as new facilities are constructed and older existing facilities require resurveying and updating. The Hurricane Evacuation Shelter Survey Program continues to improve accuracy and capture changes in the statewide inventory of hurricane evacuation shelters. The results of the surveys are used by state and local agencies to prepare and implement strategies to reduce and eliminate the deficit of recognized hurricane evacuation shelter space.

C. Retrofit/Construct Appropriate Facilities to Meet Public Shelter Guidelines

Since 1999, the State Legislature has provided recurring funds for development projects listed in the annual *Shelter Development Report*. The development projects identified through the survey program are recommended only when the retrofit can create spaces that meet the minimum safety criteria upon completion of the project.

For Fiscal Year 2023-2024, the State Legislature appropriated \$3 million to construct or retrofit public hurricane evacuation shelters, creating an estimated 5,157 additional general population spaces at current construction rates. The useful lifespan of retrofit products is expected to be about 15 years. Even with regular maintenance, products subject to harsh conditions will deteriorate over that span of time. Considering the aforementioned increase in construction cost, the lack of funding increase since its initial dedication, and the lifespan of products, an increase in dedicated funding for the Shelter Development Program is recommended.

D. Incorporate Hurricane Evacuation Shelter Design Criteria into New Public Building Construction Projects

The Florida Department of Education (FDOE) appointed a committee to develop a public shelter design criterion for new school facility construction projects. The committee included representatives from many stakeholder agencies (e.g., state and local emergency management, school boards, community college and university officials, the American Red Cross, architects, engineers, etc.). The committee's charge was to develop a set of practical and cost-effective design criteria to ensure that appropriate new educational facilities can serve the public for emergency management purposes. The final criterion recommended by the committee was consistent with the current safety criteria expressed in the LRDM surveys used by the Division.

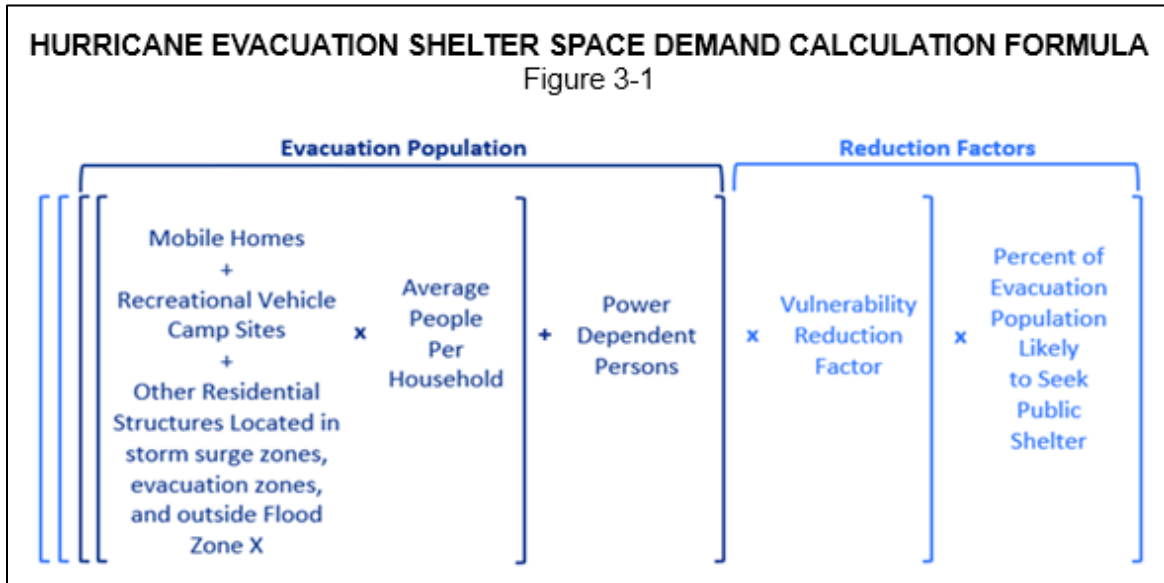
Schools are funded primarily by state and local capital outlay funds, and school districts are reporting that the EHPA construction cost premium is about 3-9%. Since 1997, EHPA construction has resulted in the creation of 435,800 spaces meeting American Red Cross Hurricane Evacuation Shelter Selection Standards (ARC HESSS) criteria and recognized by the Division as suitable shelter space. EHPA spaces account for approximately 42.5% of the statewide risk-recognized space inventory.

E. Improve Methods Utilized to Determine Shelter Demand and Capacity

Hurricane evacuation studies have historically been the primary source of information in determining hurricane evacuation shelter demand. However, shelter demand calculated using this source has recently become unpopular as it does not represent anticipated demand per county emergency management

directors across the state. Therefore, following the publishing of the 2022 SESP, the Division formed the SESP Working Group (Group) to develop and standardize demand and capacity determinations for the SESP. The Group consists of members from the Division, Florida Department of Education, Florida Department of Children and Families, American Red Cross, Florida Emergency Preparedness Association, Florida Regional Councils Association, and county emergency management directors (one appointed per RPC region).

To standardize the determination of demand and capacity, the Group developed a uniform formula to be used to calculate demand. While suitable capacity is determined through LRDM surveys completed by the Division, the county emergency management director has the capability to update a county's capacity with concurrency by the local school board based upon local operations. The formula developed for use to calculate shelter demand is expressed in Figure 3-1 below.



The sources and criteria used to develop the demand formula are as follows:

- Mobile Homes
 - Source: Florida Department of Highway Safety and Motor Vehicles
 - Criteria: All active manufactured home registrations (real property and vehicles)
- Recreational Vehicle (RV) Camp Sites
 - Source: Florida Department of Health
 - Criteria: All regularly inspected RV parks and campgrounds
- Other Residential Structures in Storm Surge Zones, Evacuation Zones, and outside Flood Zone X
 - Source: Florida Department of Revenue
 - Criteria: Property appraiser data – Land Use Codes 001 (SF), 003 (≥ 10 Units), 004 (Condos), 005 (Cooperatives), 008 (< 10 Units)
- Average People Per Household
 - Source: American Community Survey
 - Criteria: Average Number of People Per Household
- Power Dependent Persons
 - Source: US Department of Health and Human Services (emPOWER Map)
 - Criteria: Health and Human Services (HHS) emPOWER Map Historical Dataset - July Power Dependent Devices durable medical and assistive equipment (DME)
- Vulnerability Reduction Factor
 - Source: Center for Disease Control and Prevention (Social Vulnerability Index (SVI))
 - Criteria: Average of SVI Census Tracts having overall SVI Value of 0.75 thru 1.0. (If no census tracts report an SVI value reaching 0.75, use the overall SVI value of the census tract having the highest SVI)

- Percent of Evacuation Population Likely to Seek Public Shelter
 - Source: Regional Evacuation Study Behavioral Analysis
 - Criteria: 7.5% (average of the mobile home and site-built home response regarding seeking public shelter in a category 5 hurricane)

While past hurricane evacuations studies have indicated a reduction of a vulnerable population to seek public shelter during an evacuation event, the growth of the population in the state offsets some of the reduction in space needs. As of this writing, percentage demand is stable but increasing proportionally with vulnerable population numbers despite the observed behavioral change. Consequently, inventories of evacuation spaces will need to keep pace.

Also, changes in FEMA flood maps and National Weather Service (NWS) storm surge maps, coupled with recent population and demographic trends reflected in evacuation studies, created a significant increase in space demand beginning in 2016, which continues to impact demand currently. The forecast for the five-year period indicates higher demand for both general population and special needs shelters. These demand figures do not account for the aging of the current stock of public shelters nor the approaching end of the useful life of the original retrofit products. Florida’s aggregate statewide hurricane evacuation shelter space demand in Table B-1 (see Appendix B) is 824,866 spaces for 2023.

III. STATEWIDE PROGRESS IN SHELTER DEFICIT REDUCTION

A. PROGRESS REPORT

Since 1995, Florida has made significant progress toward improving the safety and availability of public hurricane evacuation shelter space. The combination of a comprehensive strategy of surveys, retrofitting of existing buildings, new construction, evacuation studies, and educating counties on the criteria to consider when retrofitting an existing building as a shelter or designing a new shelter is the basis for the success. The chart below compares the findings of the studies conducted between 2012 and 2023.

| Table 3-1: Statewide Shelter Space Sufficient / Deficit in Evacuee Spaces | | | |
|--|---------------------------|----------------------|--------------------------------|
| Year | General Population | Special Needs | Public Health Emergency |
| 2012 | 125,205 | -20,829 | n/a |
| 2014 | 88,601 | -14,218 | n/a |
| 2016 | 74,567 | -23,431 | n/a |
| 2018 | 100,027 | -19,956 | n/a |
| 2020 ^a | 113,989 | -9,139 | 37,996 |
| 2022 ^b | 144,071 | -3,312 | -1,466,581 |
| 2023 ^c | 165,679 | -8,275 | -460,573 |

^a FY 2020-2021 statewide evacuation study identified a reduction in shelter demand from 25% to 10%

^b Information was provided prior to sustained impacts from Hurricane Ian and Hurricane Nicole.

^c Information was provided prior to sustained impacts from Hurricane Idalia. Information is subject to change.

For a more in-depth look at the spaces created through retrofitting of existing facilities using state funds and spaces created through design and construction of new public-school facilities to EHPA code provisions while showing the estimated shelter demand for 2023, please review *Hurricane Evacuation Space Deficit Reduction Progress 1995-2023* in Appendix B.

The continuing success of retrofitting existing buildings, construction of newer schools, changes in the building code requiring impact resistance, and the ongoing shelter survey program at the Division continues to reduce demand on public facilities at the regional level; however, there is still more work to be done regarding reduction of the evacuation space deficit.

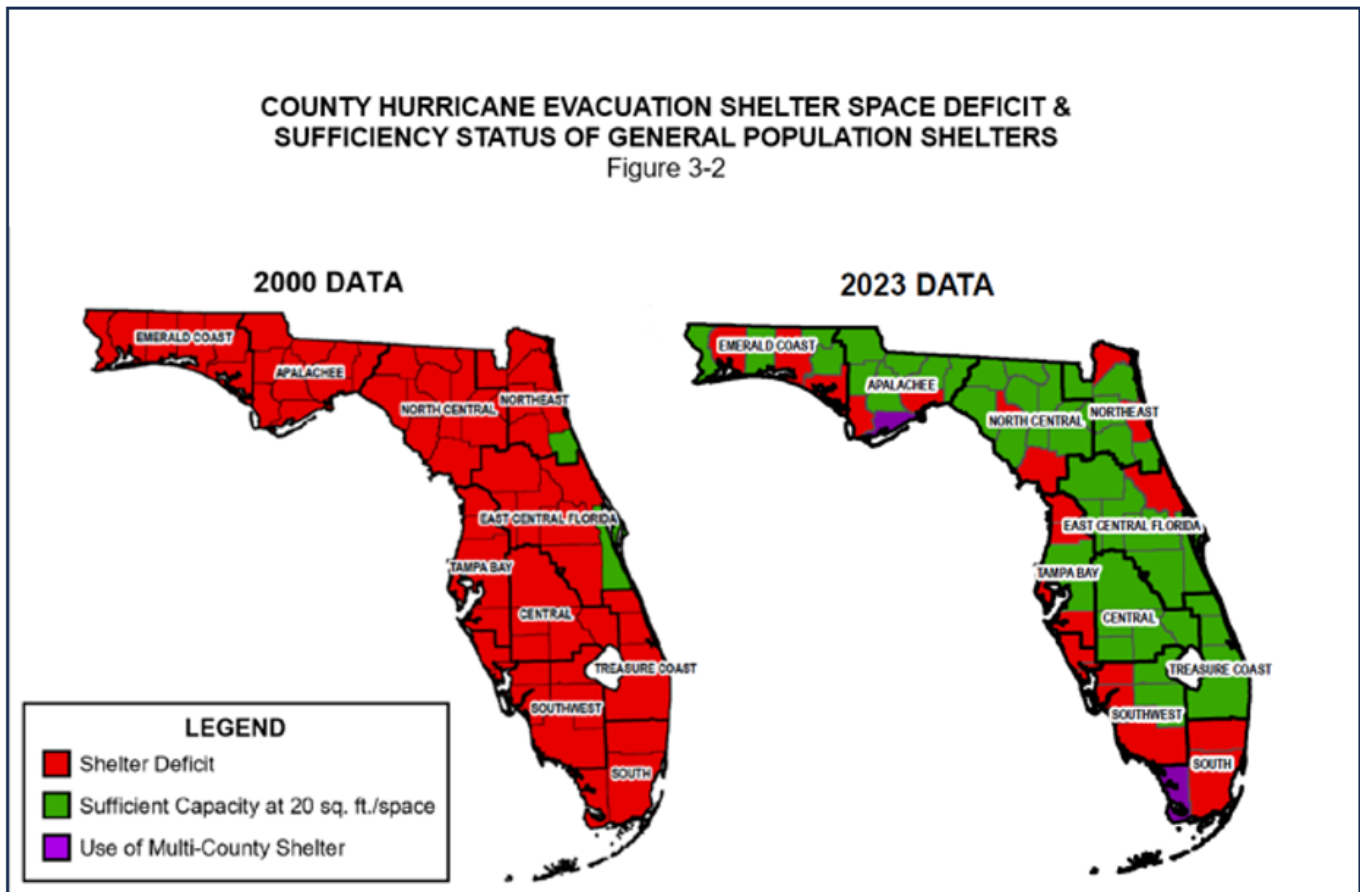
B. AREAS OF CONCERN

1. The Shelter Development Program must continue to create new spaces. Without the sustainment of this program and the additional spaces added each year, the overall statewide sufficiency would revert to deficit levels. For a list of retrofitted spaces completed or under construction after 2012 in this program, see Appendix B, Table B-1.

2. Spaces for special populations, such as people with pets that need shelter or individuals who are medically or electrically dependent, are still in deficit in over half of Florida's counties (40 of 67) despite space additions over the same period.

3. The development of the uniform hurricane evacuation shelter space demand formula by the Group and a detailed analysis of the SESP inventory has revealed that two (2) RPC regions, Southwest Florida and South Florida, have general population demand deficits. South Florida remains the region with the largest deficit in space. Factors such as geographically large storm surge areas and few opportunities to retrofit buildings have prevented the region from attaining more space. The statewide sufficiency does not reflect the need in these regions of concern. Currently, the state has seven (7) regions with deficits in buildings and spaces equipped to evacuate individuals with special needs.

The maps presented in Figure 3-2 underscore the value of this program for the State of Florida.



IV. METHODOLOGY FOR PRIORITIZATION

The hurricane evacuation shelter space deficit information used for this report was derived using the hurricane evacuation shelter space demand formula developed by the Group and by analysis of the current SESP inventory. As of this report, eight (8) out of ten (10) regions have no cumulative hurricane evacuation shelter space deficits. However, even though there may be sufficient cumulative capacity within regions, many individual counties still have deficits. Currently, eight (8) regions of the state have adequate general population spaces,

and three (3) regions have adequate special needs spaces. Twenty-two (22) counties have a deficit of general population spaces, and thirty-eight (38) counties have deficits in special needs spaces.

In prioritizing projects, the Division based its recommendations on the criteria found in statute and described below. All projects - at completion - must meet the minimum safety standards set by the Division in its Least Risk Decision Making (LRDM) reports. Projects are not recommended when a condition exists that would exclude the building as a shelter.

The following is a listing of the specific criteria used by Division staff to recommend each project based upon information provided with each project report:

- Storm Surge Inundation
- Rainfall Flooding / Dam Safety
- Hazmat and Nuclear Power Plant Considerations
- Lay-down Hazard Exposure
- Wind and Debris Exposure
- Wind Design
- Construction Type / Continuous Loadpath
- Building / Site Condition / Wind Damage History
- Exterior Wall Construction
- Fenestration / Window Protection
- Roof Construction / Roof Slope
- Roof Open Span
- Roof Drainage / Ponding
- Life Safety / Emergency Power

Section [252.385\(3\), Florida Statutes](#), directs that priority be given to regions of the state where shelter deficits are greatest. In accordance with this statute, recommended shelter development projects are prioritized as follows, with 1 being the highest priority and 3 being the lowest priority:

1. Buildings located within RPC regions with a deficiency in shelter space and within counties having a deficit in shelter space.
2. Buildings located within RPC regions with a deficiency in shelter space.
3. Buildings located within counties with a deficiency in shelter space.

OTHER CONSIDERATIONS:

Building Ownership and Availability for Use as a Public Hurricane Evacuation Risk Shelter:

Public buildings, by statute, may be activated for use as an emergency shelter. Public facilities are generally subject to inclusion in the Division's public hurricane evacuation shelter survey program. Private facilities, such as religious, civic, or fraternal organizations' multi-purpose buildings, private schools, arenas, stadiums, convention, or conference centers were recommended for development based on local need for public shelter space, previous history as a public shelter, and/or existing written agreements and endorsement by the local emergency management director. Full availability means that during a declared local state of emergency and upon request by local emergency management, the public shelter function will take priority over all other activities.

Cost-Effectiveness of Project(s):

Recommended projects, upon completion, must increase the number of shelter spaces available in the county and region. This item serves to maximize the use of state funds.

Age of Building:

Structures are evaluated on their ability to shelter individuals during a severe windstorm or major hurricane; therefore, the lifespan of the building, construction, and structural and envelope characteristics are considered when determining retrofit eligibility. Typically, unreinforced masonry walls, flat lightweight roofs over uncertified long spans, pre-engineered metal buildings, lack of load-path connectors, etc. will disqualify a building from consideration. Additionally, buildings designed and constructed to the Florida Building Code (2003-present) are expected to perform better than those built to an older code with less stringent wind design. In some counties, where the availability of newer buildings is rare, this priority is waived.

Hazard and Building Design and Construction Criteria:

There is only nominal value to installing window protection systems on a shelter building if there are other “weak links” that are limiting factors for the building’s hurricane performance. Storm surge and rainfall are important factors when reviewing and prioritizing a building as a potential hurricane evacuation shelter.

Critical building envelope features (exterior wall and roof construction, percentage of glass in exterior walls, long span roof, etc.), year built to determine design wind code requirements, presence of interior core area or storm room, and other construction factors must be included in the decision to utilize the building as a hurricane evacuation shelter and establish its priority for retrofitting.

Recommendation for retrofit cannot be justified if the given facility is subject to the below hazards that cannot be overcome through retrofitting:

1. The facility is in a sea, lake, and overland surges from hurricanes (SLOSH) or Storm Surge evacuation zone. The point system used for this item is generally consistent with Section [1013.372\(1\), Florida Statutes](#), which exempts educational facilities from the public shelter design criteria if located within a Category 1, 2, or 3 evacuation zone.
2. The facility is in a flood zone according to the National Flood Insurance Program (NFIP) Flood Insurance Rate Map (FIRM) flood zone (as established in the most recently published FIRM). Exception is given, on occasion, to those counties (such as Miami-Dade and Collier) whose populations live in areas that are extremely flat and provide very limited natural drainage.

V. RECOMMENDATIONS

A. PROJECT IDENTIFICATION PROCEDURES

While the Division’s hurricane evacuation shelter survey work product acts as the basis for data used to compile the report, the Division recognizes that local professionals are aware of public spaces and are positioned to make the best recommendations to serve their communities. The *Shelter Development Report* is a collaborative effort between the local school boards, public and private agencies, and county emergency managers. County emergency managers’ report changes or updates annually to their local shelter planning department and to the Division as a contribution to the report’s data. Other information is provided by the Florida Department of Management Services (DMS) and Florida Department of Education (FDOE), whose buildings are the primary cohort of public evacuation shelter space.

The Division’s structural analysts evaluate potential buildings to verify compliance with LRDM safe shelter guidelines. Data is compiled into an LRDM report potentially indicating a recommendation for shelter development projects. Division staff review the potential projects, from the current and previous years, and prioritize projects according to statute.

B. PROJECTS RECOMMENDED

The Division has identified 353 projects able to meet the hurricane evacuation shelter standard after development. Each proposed project is required to rank as either “preferred” or “less preferred/marginal” for all survey criteria on the respective LRDM report when the project is complete. All projects were evaluated using factors such as: regional and local (county) hurricane evacuation shelter space deficit; greatest

provision of space; cost efficiency per space; and vulnerability to high winds and storm surge. For the complete list of recommended projects see Appendix A.

Table 5-1 provides a summary of the proposed shelter development projects; the RPC and county served; the construction-related estimated costs of the proposed projects; and the total hurricane evacuation shelter space capacity that will be created upon completion.

| Table 5-1: 2022 Shelter Development Report Recommended Projects | | | |
|--|---------------|-----------------------------------|---------------------|
| (October 2022) | | | |
| RPC | County | SDR Projects Cost Estimate | Spaces Added |
| Emerald Coast | | | |
| Emerald Coast | Bay | \$3,007,815.57 | 5,171 |
| Emerald Coast | Walton | \$1,669,975 | 2,871 |
| Emerald Coast Totals: | | \$4,677,790 | 8,042 |
| Apalachee | | | |
| Apalachee | Calhoun | \$581,670 | 1,000 |
| Apalachee | Gadsden | \$1,409,386 | 2,423 |
| Apalachee | Jackson | \$58,167 | 100 |
| Apalachee | Jefferson | \$126,000 | 78 |
| Apalachee | Leon | \$7,336,604 | 12,613 |
| Apalachee | Liberty | \$545,025 | 937 |
| Apalachee | Suwannee | \$0 | 0 |
| Apalachee | Wakulla | \$3,034,572 | 5,217 |
| Apalachee Totals: | | \$13,091,424 | 22,368 |
| North Central Florida | | | |
| North Central Florida | Alachua | \$1,466,390 | 2,521 |
| North Central Florida | Columbia | \$667,175 | 1,147 |
| North Central Florida | Hamilton | \$1,742,683 | 2,996 |
| North Central Florida | Taylor | \$1,387,283 | 2,385 |
| North Central Florida Totals: | | \$5,263,532 | 9,049 |
| Northeast Florida | | | |
| Northeast Florida | Clay | \$165,776 | 285 |
| Northeast Florida | Duval | \$2,178,354 | 3,745 |
| Northeast Florida | Flagler | \$851,565 | 1,464 |
| Northeast Florida | Nassau | \$2,126,586 | 3,656 |
| Northeast Florida Totals: | | \$5,322,281 | 9,150 |
| East Central Florida | | | |
| East Central Florida | Lake | \$788,163 | 1,355 |
| East Central Florida | Marion | \$171,593 | 295 |
| East Central Florida | Orange | \$6,069,145 | 10,434 |
| East Central Florida | Osceola | \$2,303,995 | 3,961 |
| East Central Florida | Seminole | \$464,754 | 799 |
| East Central Florida | Sumter | \$910,314 | 1,565 |
| East Central Florida | Volusia | \$7,238,301 | 12,444 |
| East Central Florida Totals: | | \$17,946,265 | 30,853 |

| Central Florida | | | |
|----------------------------------|--------------|---------------------|----------------|
| Central Florida | DeSoto | \$1,081,325 | 1,859 |
| Central Florida | Hardee | \$127,967 | 220 |
| Central Florida | Highlands | \$1,009,197 | 1,735 |
| Central Florida | Okeechobee | \$674,737 | 1,160 |
| Central Florida | Polk | \$3,176,500 | 5,461 |
| Central Florida Totals: | | \$6,069,726 | 10,435 |
| Tampa Bay | | | |
| Tampa Bay | Citrus | \$860,290 | 1,479 |
| Tampa Bay | Hernando | \$878,322 | 1,510 |
| Tampa Bay | Manatee | \$770,713 | 1,325 |
| Tampa Bay | Pasco | \$5,457,810 | 9,383 |
| Tampa Bay | Pinellas | \$1,290,726 | 2,219 |
| Tampa Bay Totals: | | \$9,257,860 | 15,916 |
| Southwest Florida | | | |
| Southwest Florida | Charlotte | \$610,754 | 1,050 |
| Southwest Florida | Glades | \$136,692 | 235 |
| Southwest Florida | Lee | \$2,917,075 | 5,015 |
| Southwest Florida | Sarasota | \$410,659 | 706 |
| Southwest Florida Totals: | | \$4,075,180 | 7,006 |
| Treasure Coast | | | |
| Treasure Coast | Indian River | \$587,487 | 1010 |
| Treasure Coast | Martin | \$1,675,791 | 2,881 |
| Treasure Coast | Palm Beach | \$290,835 | 500 |
| Treasure Coast | St. Lucie | \$513,033 | 882 |
| Treasure Coast Totals: | | \$3,067,146 | 5,273 |
| South Florida | | | |
| South Florida | Broward | \$1,047,006 | 1,800 |
| South Florida | Miami-Dade | \$500,236 | 860 |
| South Florida Totals: | | \$1,547,242 | 2,660 |
| Statewide Total | | \$70,318,446 | 120,752 |

If funded, the projects listed in this report will provide an estimated increase of 120,752 hurricane evacuation shelter spaces at \$70,318,446 (estimated construction-related costs). Projects that include a standby electrical system power source add to the shelter's overall functionality and sustainability but may not increase shelter space capacity. Standby electrical system projects will decrease the special needs space deficits in counties and regions where sufficient general population shelters are already in place.

**APPENDIX A:
2023 SHELTER DEVELOPMENT REPORT RECOMMENDED PROJECTS**

| RPC | County | Site Name/Bldg ID | Year Built | Spaces Added | Project Description | SDR Project Estimate |
|----------------------|-----------|--|------------|--------------|--|----------------------|
| Emerald Coast | | | | | | |
| Emerald Coast | Bay | Jinks MS Music CR 6 | 2003 | 125 | Fenestration Protection | \$72,709 |
| Emerald Coast | Bay | Jinks MS Band CR 10 | 2000 | 125 | Fenestration Protection | \$72,709 |
| Emerald Coast | Bay | Moseley HS Media | 2004 | 736 | Fenestration Protection | \$428,109 |
| Emerald Coast | Bay | Mowat MS Gym | 2009 | 851 | Fenestration Protection | \$495,001 |
| Emerald Coast | Bay | Mowat MS 11 CR | 2009 | 851 | Fenestration Protection | \$495,001 |
| Emerald Coast | Walton | Mossy Head D CR | 2006 | 307 | Fenestration Protection | \$178,573 |
| Emerald Coast | Walton | Mossy Head E Cafeteria | 2006 | 336 | Fenestration Protection | \$195,441 |
| Emerald Coast | Walton | Walton MS AB CR | 2012 | 194 | Fenestration Protection | \$112,844 |
| Emerald Coast | Walton | Walton MS C CR | 2012 | 194 | Fenestration Protection | \$112,844 |
| Emerald Coast | Walton | Walton MS DE Gym | 2012 | 744 | Fenestration Protection | \$432,762 |
| Emerald Coast | Walton | Walton MS FG CR | 2012 | 157 | Fenestration Protection | \$91,322 |
| Emerald Coast | Walton | Walton MS FHJ Media | 2012 | 266 | Fenestration Protection | \$154,724 |
| Emerald Coast | Walton | Walton MS MQ CR | 2012 | 236 | Fenestration Protection | \$137,274 |
| Emerald Coast | Walton | Walton MS NP CR | 2012 | 159 | Fenestration Protection | \$92,486 |
| Emerald Coast | Walton | Walton MS R CR | 2012 | 90 | Fenestration Protection | \$52,350 |
| Emerald Coast | Walton | Walton MS S Admin | 2012 | 107 | Fenestration Protection | \$62,239 |
| Emerald Coast | Walton | Walton MS T CR | 2012 | 81 | Fenestration Protection | \$47,115 |
| Emerald Coast | Bay | Bay High School/Gymnasium (14) | 2000 | 874 | Fenestration Protection | \$508,380 |
| Emerald Coast | Bay | Oakland Terrace Elementary School/Cafeteria (9) | 2005 | 184 | Fenestration Protection | \$107,027 |
| Emerald Coast | Bay | Crawford Mosely High School (2) | 2003 | 58 | Fenestration Protection | \$33,737 |
| Emerald Coast | Bay | Hiland Park Elementary School (9) | 1998 | 104 | Lay Down Hazards, Fenestration Protection | \$60,494 |
| Emerald Coast | Bay | Hiland Park Elementary School (10) | 1998 | 132 | Fenestration Protection | \$76,780 |
| Emerald Coast | Bay | Merriam Cherry Elementary School/Cafeteria (11) | 2005 | 262 | Fenestration Protection | \$152,398 |
| Emerald Coast | Bay | Rutherford High School/Gymnasium (17) | 2009 | 869 | Fenestration Protection | \$505,471 |
| Apalachee | | | | | | |
| Apalachee | Calhoun | Altha ES 2 CR | 2015 | 422 | Fenestration Protection/GenSet | \$245,465 |
| Apalachee | Calhoun | Altha ES 5 CR | 2015 | 449 | Fenestration Protection/GenSet | \$261,170 |
| Apalachee | Calhoun | Blountstown HS | 2011 | 129 | Fenestration Protection/GenSet | \$75,035 |
| Apalachee | Gadsden | Gadsden County HS 2 Media | 2001 | 525 | Fenestration Protection | \$305,377 |
| Apalachee | Gadsden | Gadsden County HS 3 CR | 2001 | 525 | Fenestration Protection | \$305,377 |
| Apalachee | Gadsden | West Gadsden MS 6 Music | 2005 | 104 | Fenestration Protection | \$60,494 |
| Apalachee | Gadsden | Greensboro ES (aka HS) 2 CR | 1994 | 454 | Fenestration Protection | \$264,078 |
| Apalachee | Gadsden | Greensboro ES (aka HS) 3 Cafeteria | 1994 | 187 | Fenestration Protection | \$108,772 |
| Apalachee | Gadsden | Gadsden Community Hospital | TBD | 628 | Fenestration Protection/GenSet | \$365,289 |
| Apalachee | Jackson | Graceville HS | TBD | 100 | Need LRDM | \$58,167 |
| Apalachee | Jefferson | Jefferson K-12 Building 2 & 6 | 2023 | 78 | ATS & Genset Wiring | \$126,000 |
| Apalachee | Leon | FAMU DRS 3 CR | 2007 | 672 | Fenestration Protection | \$390,882 |
| Apalachee | Leon | FAMU DRS 5 CR | 2007 | 532 | Fenestration Protection | \$309,448 |
| Apalachee | Leon | FAMU DRS 6 CR | 2007 | 557 | Fenestration Protection | \$323,990 |
| Apalachee | Leon | FAMU Campus / 029-Recreation Center - Phase 1 | 2004 | TBD | Fenestration Protection | \$0 |
| Apalachee | Leon | FAMU Campus / 029-Recreation Center - Phase 2 | 2009 | TBD TBD | Fenestration Protection | \$0 |
| Apalachee | Leon | Lawton Chiles HS 9 CR | 2004 | 344 | Fenestration Protection | \$200,094 |
| Apalachee | Leon | Augusta RAA MS 4 CR | 2004 | 227 | Fenestration Protection | \$132,039 |
| Apalachee | Leon | Augusta RAA MS 6 CR | 2007 | 186 | Fenestration Protection | \$108,191 |
| Apalachee | Leon | Lawton Chiles HS 14 CR | 2007 | 180 | Fenestration Protection | \$104,701 |
| Apalachee | Leon | Lawton Chiles HS 6 Gym | 1998 | 618 | Engineering / Fenestration Protection | \$359,472 |
| Apalachee | Leon | Woodville ES 8 Cafeteria | 2015 | 154 | Fenestration Protection | \$89,577 |
| Apalachee | Leon | Augusta RAA MS 18 Cafeteria | 2004 | 148 | Fenestration Protection | \$86,087 |
| Apalachee | Leon | Lawton Chiles HS 7 CR | 1998 | 307 | Fenestration Protection | \$178,573 |
| Apalachee | Leon | Lawton Chiles HS 8 CR | 1998 | 227 | Fenestration Protection | \$132,039 |
| Apalachee | Leon | Lawton Chiles HS 5 Auditorium | 1998 | 105 | Engineering/ Fenestration Protection | \$61,075 |
| Apalachee | Leon | Lawton Chiles HS 3 Cafeteria | 1997 | 46 | Engineering/ Fenestration Protection | \$26,757 |
| Apalachee | Leon | FAMU DRS 2 Admin/Media | 2007 | 40 | Fenestration Protection | \$23,267 |
| Apalachee | Leon | FAMU_029-A_Rec_Center_Phase_01_Upper-and-Middle (Bldg-029.A) | 2004 | 88 | Fenestration Protection | \$51,187 |

| | | | | | | |
|------------------------------|----------|--|------|------|--------------------------|-------------|
| Apalachee | Leon | FAMU_029-C_Rec_Center_Phase_02_South-Addition (Bldg-029.C) | 2009 | 601 | Fenestration Protection | \$349,584 |
| Apalachee | Leon | FAMU_186_461_FAMU_TOWERS_NORTH_NorthCenter (Bldg-461-N-Central) | 2020 | 144 | Fenestration Protection | \$83,760 |
| Apalachee | Leon | FAMU_186_461_FAMU_TOWERS_NORTH_NorthEast-1rst (Bldg-461-NE-1rst) | 2020 | 89 | Fenestration Protection | \$51,769 |
| Apalachee | Leon | FAMU_186_461_FAMU_TOWERS_NORTH_NorthEast-2nd-3rd-4th (Bldg-461-NE-2nd-3rd-4th) | 2020 | 672 | Fenestration Protection | \$390,882 |
| Apalachee | Leon | FAMU_186_461_FAMU_TOWERS_NORTH_NorthWest-1rst (Bldg-461-NW-1rst) | 2020 | 246 | Fenestration Protection | \$143,091 |
| Apalachee | Leon | FAMU_186_461_FAMU_TOWERS_NORTH_NorthWest-2nd-3rd-4th (Bldg-461-NW-2nd-3rd-4th) | 2020 | 833 | Fenestration Protection | \$484,531 |
| Apalachee | Leon | FAMU_186_451_FAMU_TOWERS_SOUTH_SouthCenter (Bldg-451-S-Central) | 2020 | 144 | Fenestration Protection | \$83,760 |
| Apalachee | Leon | FAMU_186_451_FAMU_TOWERS_SOUTH_SouthEast-1rst (Bldg-451-SE-1rst) | 2020 | 110 | Fenestration Protection | \$63,984 |
| Apalachee | Leon | FAMU_186_451_FAMU_TOWERS_SOUTH_SouthEast-2nd-3rd-4th (Bldg-451-SE-2nd-3rd-4th) | 2020 | 544 | Fenestration Protection | \$316,428 |
| Apalachee | Leon | FAMU_186_451_FAMU_TOWERS_SOUTH_SOUTHWest-1rst (Bldg-451-SW-1rst) | 2020 | 249 | Fenestration Protection | \$144,836 |
| Apalachee | Leon | FAMU_186_451_FAMU_TOWERS_SOUTH_SouthWest-2nd-3rd-4th (Bldg-451-SW-2nd-3rd-4th) | 2020 | 770 | Fenestration Protection | \$447,886 |
| Apalachee | Leon | FAMU_136_C_VILLAGES_Center (Bldg-136-C) | 2014 | 204 | Fenestration Protection | \$118,661 |
| Apalachee | Leon | FAMU_136_E_VILLAGES_EastWing_Housing (Bldg-136-E) | 2014 | 947 | Fenestration Protection | \$550,841 |
| Apalachee | Leon | FAMU_136_ES_VILLAGES_SouthEastWing_Housing (Bldg-136-ES) | 2014 | 1089 | Fenestration Protection | \$633,439 |
| Apalachee | Leon | FAMU_136_W_VILLAGES_W_WestWing_Housing (Bldg-136-W) | 2014 | 868 | Fenestration Protection | \$504,890 |
| Apalachee | Leon | FAMU_136_WS_VILLAGES_SouthWestWing_Housing (Bldg-136-WS) | 2014 | 672 | Fenestration Protection | \$390,882 |
| Apalachee | Liberty | New HS 1 CR | 2020 | 395 | Fenestration Protection | \$229,760 |
| Apalachee | Liberty | New HS 2 Admin & Art | 2020 | 147 | Fenestration Protection | \$85,505 |
| Apalachee | Liberty | New HS 3 CR | 2020 | 395 | Fenestration Protection | \$229,760 |
| Apalachee | Suwanee | Suwanee ES - for pets | 2008 | 0 | Fenestration Protection | \$0 |
| Apalachee | Wakulla | Crawfordville ES 2 CR | 2002 | 330 | Fenestration Protection | \$191,951 |
| Apalachee | Wakulla | Crawfordville ES 3 CR | 2002 | 243 | Fenestration Protection | \$141,346 |
| Apalachee | Wakulla | Crawfordville ES 5 CR | 2002 | 255 | Fenestration Protection | \$148,326 |
| Apalachee | Wakulla | Crawfordville ES 6 CR | 2002 | 294 | Fenestration Protection | \$171,011 |
| Apalachee | Wakulla | Crawfordville ES 7 CR | 2002 | 270 | Fenestration Protection | \$157,051 |
| Apalachee | Wakulla | Riversink ES 2 CR | 2007 | 435 | Fenestration Protection | \$253,026 |
| Apalachee | Wakulla | Riversink ES 3 Cafeteria | 2007 | 312 | Fenestration Protection | \$181,481 |
| Apalachee | Wakulla | Riversink ES 5 CR | 2007 | 446 | Fenestration Protection | \$259,425 |
| Apalachee | Wakulla | Riversink ES 6 CR | 2007 | 398 | Fenestration Protection | \$231,505 |
| Apalachee | Wakulla | Shadeville ES 3A CR | 2002 | 78 | Fenestration Protection | \$45,370 |
| Apalachee | Wakulla | Shadeville ES 3B CR | 2002 | 77 | Fenestration Protection | \$44,789 |
| Apalachee | Wakulla | Crawfordville ES 4 CR | 2002 | 27 | Fenestration Protection | \$15,705 |
| Apalachee | Wakulla | Riversink ES 4 | 2007 | 27 | Fenestration Protection | \$15,705 |
| Apalachee | Wakulla | Shadeville ES 1A | 1989 | 473 | Fenestration Protection | \$275,130 |
| Apalachee | Wakulla | Shadeville ES 8 CR | 1992 | 312 | Fenestration Protection | \$181,481 |
| Apalachee | Wakulla | Riversprings MS 1A | 1999 | 223 | Fenestration Protection | \$129,712 |
| Apalachee | Wakulla | Riversprings MS 1B | 1999 | 227 | Fenestration Protection | \$132,039 |
| Apalachee | Wakulla | Riversprings MS 1C | 1999 | 268 | Fenestration Protection | \$155,888 |
| Apalachee | Wakulla | Shadeville ES 1B | 1989 | 249 | Fenestration Protection | \$144,836 |
| Apalachee | Wakulla | Shadeville ES 1C | 1989 | 249 | Fenestration Protection | \$144,836 |
| Apalachee | Wakulla | Riversprings MS 1D | 1999 | 24 | Fenestration Protection | \$13,960 |
| | | - 2004 Fitness & Multipurpose *upper-level(s)* | | | | \$0 |
| | | - 2008 Basketball Gym (South Addition) | | | | \$0 |
| North Central Florida | | | | | | |
| North Central Florida | Alachua | W.S. Talbot ES 4 CR | 2005 | 379 | Fenestration Protection | \$220,453 |
| North Central Florida | Alachua | H. Bishop MS 31 CR | 2004 | 186 | Fenestration Protection | \$108,191 |
| North Central Florida | Alachua | W.T. Loften SHS 24 Cafeteria / CR | 2007 | 670 | Fenestration Protection | \$389,719 |
| North Central Florida | Alachua | M.K. Rawlings ES 4 Cafeteria | 2006 | 207 | Fenestration Protection | \$120,406 |
| North Central Florida | Alachua | Santa Fe SHS 34 CR (west) | 2008 | 414 | Fenestration Protection | \$240,811 |
| North Central Florida | Alachua | Duval Academy 4 Cafeteria | 1997 | 225 | Fenestration Protection | \$130,876 |
| North Central Florida | Alachua | J. Williams ES 6 CR | 1997 | 230 | Fenestration Protection | \$133,784 |
| North Central Florida | Alachua | J. Williams ES 7 Cafeteria | 1999 | 210 | Genset Protect Enclosure | \$122,151 |
| North Central Florida | Columbia | Fort White HS 5 Gym | 1999 | 510 | Fenestration Protection | \$296,652 |
| North Central Florida | Columbia | Fort White HS 9 Cafeteria | 1999 | 367 | Fenestration Protection | \$213,473 |
| North Central Florida | Columbia | Fort White MS 27 Multipurpose | 2007 | 162 | Fenestration Protection | \$94,231 |
| North Central Florida | Columbia | Fort White MS 26 CR | 2007 | 108 | Fenestration Protection | \$62,820 |
| North Central Florida | Hamilton | Hamilton County ES 28 Cafeteria | 2015 | 2250 | Fenestration Protection | \$1,308,758 |

| | | | | | | |
|-----------------------------|----------|------------------------------------|------|-------|----------------------------------|-------------|
| North Central Florida | Hamilton | Hamilton County HS 8 Cafeteria | 2003 | 746 | Fenestration Protection | \$433,926 |
| North Central Florida | Taylor | Steinhatchee School 5 CR | 1996 | 509 | Fen. Protection& Genset | \$296,070 |
| North Central Florida | Taylor | Taylor County ES 3 CR | 2002 | 672 | Fenestration Protection | \$390,882 |
| North Central Florida | Taylor | Taylor County ES 6 CR | 2002 | 571 | Fenestration Protection | \$332,134 |
| North Central Florida | Taylor | Taylor County ES 5 CR | 2002 | 341 | Fenestration Protection | \$198,349 |
| North Central Florida | Taylor | Taylor County ES 4 CR | 2002 | 292 | Fenestration Protection | \$169,848 |
| Northeast Florida | | | | | | |
| Northeast Florida | Clay | Argyle ES 3 CR | 2003 | 285 | Fenestration Protection | \$165,776 |
| Northeast Florida | Duval | Don Brewer ES 1D CR | 2001 | 801 | Fenestration Protection | \$465,918 |
| Northeast Florida | Duval | Kernan Trail ES 1D CR | 2002 | 839 | Fenestration Protection | \$488,021 |
| Northeast Florida | Duval | Oceanway ES 1D CR | 2001 | 827 | Fenestration Protection | \$481,041 |
| Northeast Florida | Duval | Bartram Springs ES 1A CR | 2009 | 374 | Fenestration Protection | \$217,545 |
| Northeast Florida | Duval | Bartram Springs ES 1B CR | 2009 | 455 | Fenestration Protection | \$264,660 |
| Northeast Florida | Duval | Waterleaf ES 1B CR | 2011 | 449 | Fenestration Protection | \$261,170 |
| Northeast Florida | Flagler | Belle Terre ES 3 CR | 2004 | 464 | Fenestration Protection | \$269,895 |
| Northeast Florida | Flagler | Matanzas HS | 2004 | 1000 | Genset | \$581,670 |
| Northeast Florida | Nassau | Wildlight ES 3 | 2016 | 386 | Fenestration Protection | \$224,525 |
| Northeast Florida | Nassau | Wildlight ES 4 | 2016 | 351 | Fenestration Protection | \$204,166 |
| Northeast Florida | Nassau | Wildlight ES 5 | 2016 | 393 | Fenestration Protection | \$228,596 |
| Northeast Florida | Nassau | Wildlight ES 6 | 2016 | 359 | Fenestration Protection | \$208,820 |
| Northeast Florida | Nassau | Yulee HS 4 Gym | 2005 | 350 | Fenestration Protection | \$203,585 |
| Northeast Florida | Nassau | Yulee HS 6 Cafeteria | 2005 | 350 | Fenestration Protection | \$203,585 |
| Northeast Florida | Nassau | Callahan IS 7 CR | 2009 | 190 | Fenestration Protection | \$110,517 |
| Northeast Florida | Nassau | Yulee PS 10 CR | 2009 | 190 | Fenestration Protection | \$110,517 |
| Northeast Florida | Nassau | Bryceville ES 2 CR | 2005 | 177 | Fenestration Protection | \$102,956 |
| Northeast Florida | Nassau | Bryceville ES 7 CR | 2007 | 167 | Fenestration Protection | \$97,139 |
| Northeast Florida | Nassau | Callahan IS 3 CR | 1999 | 215 | Fenestration Protection | \$125,059 |
| Northeast Florida | Nassau | Callahan IS 4 CR | 1999 | 265 | Fenestration Protection | \$154,143 |
| Northeast Florida | Nassau | Callahan IS 5 CR | 1999 | 263 | Fenestration Protection | \$152,979 |
| East Central Florida | | | | | | |
| East Central Florida | Lake | Pine Ridge ES 4 Cafeteria | 2002 | 213 | Fenestration Protection & Genset | \$123,896 |
| East Central Florida | Lake | Lake Minneola HS Caf | 2010 | 327 | Fenestration Protection | \$190,206 |
| East Central Florida | Lake | Lake Minneola HS Gym | 2010 | 415 | Fenestration Protection | \$241,393 |
| East Central Florida | Lake | South Lake SHS 15 Cafeteria | 2004 | 400 | Genset | \$232,668 |
| East Central Florida | Marion | Saddlewood ES 4 CR | 2010 | 295 | Fenestration Protection | \$171,593 |
| East Central Florida | Orange | Meadowbrook MS 6 CR | 2005 | 532 | Fenestration Protection | \$309,448 |
| East Central Florida | Orange | Meadowbrook MS 7 CR | 2005 | 528 | Fenestration Protection | \$307,122 |
| East Central Florida | Orange | Wekiva HS 4 CR | 2007 | 807 | Fenestration Protection | \$469,408 |
| East Central Florida | Orange | Wekiva HS 8 Aud/CR | 2007 | 776 | Fenestration Protection | \$451,376 |
| East Central Florida | Orange | West Orange HS 4 CR | 2008 | 710 | Fenestration Protection | \$412,986 |
| East Central Florida | Orange | West Orange HS 5 CR | 2008 | 1,628 | Fenestration Protection | \$946,959 |
| East Central Florida | Orange | West Orange HS 6 CR | 2008 | 792 | Fenestration Protection | \$460,683 |
| East Central Florida | Orange | West Orange HS 8 Aud/CR | 2008 | 777 | Fenestration Protection | \$451,958 |
| East Central Florida | Orange | Avalon MS 2 CR | 2006 | 335 | Fenestration Protection | \$194,859 |
| East Central Florida | Orange | Avalon MS 6 CR | 2006 | 425 | Fenestration Protection | \$247,210 |
| East Central Florida | Orange | Avalon MS 7 CR | 2006 | 491 | Fenestration Protection | \$285,600 |
| East Central Florida | Orange | Avalon MS 8 CR | 2006 | 433 | Fenestration Protection | \$251,863 |
| East Central Florida | Orange | Legacy MS 2 CR | 2005 | 345 | Fenestration Protection | \$200,676 |
| East Central Florida | Orange | Legacy MS 6 CR | 2005 | 466 | Fenestration Protection | \$271,058 |
| East Central Florida | Orange | Legacy MS 7 CR | 2005 | 489 | Fenestration Protection | \$284,437 |
| East Central Florida | Orange | Legacy MS 8 CR | 2005 | 430 | Fenestration Protection | \$250,118 |
| East Central Florida | Orange | Meadowbrook MS 8 CR | 2005 | 470 | Fenestration Protection | \$273,385 |
| East Central Florida | Osceola | Chestnut ES 1 Cafeteria | 2005 | 322 | Fenestration Protection | \$187,298 |
| East Central Florida | Osceola | Kenansville Community Center | TBD | 100 | Fenestration Protection | \$58,167 |
| East Central Florida | Osceola | Holopaw Community Center | TBD | 100 | Fenestration Protection | \$58,167 |
| East Central Florida | Osceola | Marydia Community Center | TBD | 100 | Fenestration Protection | \$58,167 |
| East Central Florida | Osceola | Robert Guevara Community Center | TBD | 100 | Fenestration Protection | \$58,167 |
| East Central Florida | Osceola | Buenaventura Lakes Library | TBD | 100 | Fenestration Protection | \$58,167 |
| East Central Florida | Osceola | Hart Memorial Library | TBD | 100 | Fenestration Protection | \$58,167 |
| East Central Florida | Osceola | Kenansville Library | TBD | 100 | Fenestration Protection | \$58,167 |
| East Central Florida | Osceola | Poinciana Library | TBD | 100 | Fenestration Protection | \$58,167 |
| East Central Florida | Osceola | St. Cloud Library | TBD | 100 | Fenestration Protection | \$58,167 |
| East Central Florida | Osceola | West Osceola Library | TBD | 100 | Fenestration Protection | \$58,167 |
| East Central Florida | Osceola | Westside K-8 School -1 main | | 2439 | Fenestration Protection | \$1,418,693 |
| East Central Florida | Osceola | Kissimmee Civic Center | TBD | 100 | Fenestration Protection | \$58,167 |
| East Central Florida | Osceola | Osceola Heritage Park Event Center | TBD | 100 | Fenestration Protection | \$58,167 |
| East Central Florida | Seminole | Oviedo SHS 7 Gym | 2007 | 799 | Fenestration Protection | \$464,754 |

| | | | | | | |
|------------------------|------------|--|-------------|-------|---------------------------|-----------|
| East Central Florida | Sumter | South Sumter SHS 38 CR | 2002 | 352 | Fenestration Protection | \$204,748 |
| East Central Florida | Sumter | South Sumter MS | 2000 | 332 | Fenestration Protection | \$193,114 |
| East Central Florida | Sumter | South Sumter MS 24 CR | 1999 | 332 | Fenestration Protection | \$193,114 |
| East Central Florida | Sumter | Wildwood MS/HS 29 CR | 1999 | 318 | Fenestration Protection | \$184,971 |
| East Central Florida | Sumter | Lake Panasoffkee ES 11 CR | 1999 | 231 | Fenestration Protection | \$134,366 |
| East Central Florida | Volusia | Creekside MS 2 Cafeteria | 2003 | 309 | Fenestration Protection | \$179,736 |
| East Central Florida | Volusia | Deland SHS 1 Aud | 2003 | 639 | Fenestration Protection | \$371,687 |
| East Central Florida | Volusia | Deland HS 14 CR | 2003 | 585 | Fenestration Protection | \$340,277 |
| East Central Florida | Volusia | Deland HS 15 CR | 2003 | 592 | Fenestration Protection | \$344,349 |
| East Central Florida | Volusia | Mainland SHS 2B CR | 2006 | 1,341 | Fenestration Protection | \$780,019 |
| East Central Florida | Volusia | Deland HS 5 Cafeteria | 2003 | 391 | Fenestration Protection | \$227,433 |
| East Central Florida | Volusia | Southwestern MS 5A Gym | 2006 | 385 | Fenestration Protection | \$223,943 |
| East Central Florida | Volusia | Deland HS 17 CR | 1999 | 614 | Fenestration Protection | \$357,145 |
| East Central Florida | Volusia | Deland HS 2 Gym | 1999 | 773 | Fenestration Protection | \$449,631 |
| East Central Florida | Volusia | Heritage MS CR | 2003 | 353 | Fenestration Protection | \$205,330 |
| East Central Florida | Volusia | Mainland SHS 3 Gym | 2006 | 244 | Fenestration Protection | \$141,927 |
| East Central Florida | Volusia | Daytona Beach CC-Deland 8 CR | 2002 | 130 | Fenestration Protection | \$75,617 |
| East Central Florida | Volusia | Mainland SHS 5 CR | 2006 | 129 | Fenestration Protection | \$75,035 |
| East Central Florida | Volusia | Pride ES b1 | 2007 | 903 | Fenestration Protection | \$525,248 |
| East Central Florida | Volusia | Pride ES | 2007 | 445 | Fenestration Protection | \$258,843 |
| East Central Florida | Volusia | Mainland SHS 2A Cafeteria | 2006 | TBD | Fenestration Protection | \$0 |
| East Central Florida | Volusia | Pine Ridge HS - bldg 3 ESE Classroom | 1994 | 340 | Fenestration Protection | \$197,768 |
| East Central Florida | Volusia | Pine Ridge HS - bldg 4 Vocational | 1994 | 160 | Fenestration Protection | \$93,067 |
| East Central Florida | Volusia | Pine Ridge HS - bldg 5 Classroom | 1994 | 574 | Fenestration Protection | \$333,879 |
| East Central Florida | Volusia | Pine Ridge HS - bldg 6 Classroom | 1994 | 267 | Fenestration Protection | \$155,306 |
| East Central Florida | Volusia | Pine Ridge HS - bldg 7 Classroom | 1994 | 708 | Fenestration Protection | \$411,822 |
| East Central Florida | Volusia | Pine Ridge HS - bldg 9 Music | 1994 | 102 | Fenestration Protection | \$59,330 |
| East Central Florida | Volusia | Pine Ridge HS - bldg 10 Auditorium | 1994 | 15 | Fenestration Protection | \$8,725 |
| East Central Florida | Volusia | Atlantic HS - bldg 1 Admin/Dining | 1992 | 212 | Fenestration Protection | \$123,314 |
| East Central Florida | Volusia | Atlantic HS - bldg 2 Vocational | 1992 | 137 | Fenestration Protection | \$79,689 |
| East Central Florida | Volusia | Atlantic HS - bldg 4 Vocational | 1992 | 168 | Fenestration Protection | \$97,721 |
| East Central Florida | Volusia | Atlantic HS - bldg 5 Classroom | 1992 | 295 | Fenestration Protection | \$171,593 |
| East Central Florida | Volusia | Atlantic HS - bldg 6 Classroom | 1992 | 164 | Fenestration Protection | \$95,394 |
| East Central Florida | Volusia | Atlantic HS - bldg 7 Classroom | 1992 | 705 | Fenestration Protection | \$410,077 |
| East Central Florida | Volusia | Atlantic HS - bldg 8 Gym | 1992 | 642 | Fenestration Protection | \$373,432 |
| East Central Florida | Volusia | Atlantic HS - bldg 9 Music | 1992 | 96 | Fenestration Protection | \$55,840 |
| East Central Florida | Volusia | Atlantic HS - bldg 10 Auditorium | 1992 | 26 | Fenestration Protection | \$15,123 |
| Central Florida | | | | | | |
| Central Florida | DeSoto | DeSoto SHS 1C Cafeteria | 1977 / 2010 | 511 | Fenestration Protection | \$297,233 |
| Central Florida | DeSoto | DeSoto SHS 1F Gym | 1977 / 2010 | 511 | Fenestration Protection | \$297,233 |
| Central Florida | DeSoto | Nocatee ES 8 CR | 2008 | 148 | Fenestration Protection | \$86,087 |
| Central Florida | DeSoto | West ES 8 CR | 2008 | 148 | Fenestration Protection | \$86,087 |
| Central Florida | DeSoto | South Florida State College 3 CR | 2003 | 41 | Fenestration Protection | \$23,848 |
| Central Florida | DeSoto | Nocatee ES 4 CR | 1999 | 275 | Fenestration Protection | \$159,959 |
| Central Florida | DeSoto | DeSoto County Library | 1997 / 2008 | 120 | Fenestration Protection | \$69,800 |
| Central Florida | DeSoto | Memorial ES 15 CR | 1999 | 105 | Fenestration Protection | \$61,075 |
| Central Florida | Hardee | Zolfo ES 10 CR (3rd Grade) | 2001 | 0 | Engineering | \$0 |
| Central Florida | Hardee | Wauchula ES 5 ESE CR | 1998 | 111 | Fenestration & MEP/Genset | \$64,565 |
| Central Florida | Hardee | Wauchula ES 6 Media | 1998 | 109 | Fenestration & MEP/Genset | \$63,402 |
| Central Florida | Highlands | MLK Jr Memorial Field Gym | 2002 | 415 | Engineering Study | \$241,393 |
| Central Florida | Highlands | Reflections on Silver Lake Comm Center | 2005 | 75 | Fenestration Protection | \$43,625 |
| Central Florida | Highlands | Avon Park ES CR3 | 2002 | 415 | Fenestration Protection | \$241,393 |
| Central Florida | Highlands | Avon Park ES CR5 | 2002 | 415 | Fenestration Protection | \$241,393 |
| Central Florida | Highlands | Avon Park Rec Center | 2002 | 415 | Fenestration Protection | \$241,393 |
| Central Florida | Okeechobee | Osceola MS 7 Gym | 1995 | 1160 | Fenestration Protection | \$674,737 |
| Central Florida | Polk | Mobile Home Activity Center Main | 1999 | 133 | Fenestration Protection | \$77,362 |
| Central Florida | Polk | Frostproof Middle School 7,8,9 | 1998 | 300 | Fenestration Protection | \$174,501 |
| Central Florida | Polk | Fort Meade MS / HS 19 CR | 1998 | 160 | Fenestration Protection | \$93,067 |
| Central Florida | Polk | McKeel Academy 14 Gym SPN | 1999 | 200 | Fenestration Protection | \$116,334 |
| Central Florida | Polk | Fort Meade MS /HS 17A CR | 1998 | 191 | Fenestration Protection | \$111,099 |
| Central Florida | Polk | Ridge Community SPN | 1998 | 160 | Electrical for SpN | \$93,067 |
| Central Florida | Polk | Fort Meade MS / HS 17B CR | 1998 | 115 | Fenestration Protection | \$66,892 |
| Central Florida | Polk | Lake_Gibson_MS_1761 / Bldg_05 | 1996 | 256 | Fenestration Protection | \$148,908 |
| Central Florida | Polk | Kathleen_MS_1191 / Bldg_03 Class | 2004 | 173 | Fenestration Protection | \$100,629 |
| Central Florida | Polk | Kathleen_MS_1191 / Bldg_02 Cafeteria | 1960 / 2003 | 80 | Engineering Study | \$46,534 |

| | | | | | | |
|------------------|----------|---|-------------|------|---|-------------|
| Central Florida | Polk | Kathleen_MS_1191 / Bldg_07 Gym | 1954 / 2003 | 261 | Engineering Study | \$151,816 |
| Central Florida | Polk | Socrum_ES_1901 / Bldg_01 | 1990 | 72 | Fenestration Protection | \$41,880 |
| Central Florida | Polk | Socrum_ES_1901 / Bldg_02 | 1990 | 112 | Fenestration Protection | \$65,147 |
| Central Florida | Polk | Socrum_ES_1901 / Bldg_03 | 1990 | 104 | Fenestration Protection | \$60,494 |
| Central Florida | Polk | Socrum_ES_1901 / Bldg_04 | 1990 | 172 | Fenestration Protection | \$100,047 |
| Central Florida | Polk | Socrum_ES_1901 / Bldg_05 | 1990 | 94 | Fenestration Protection | \$54,677 |
| Central Florida | Polk | Socrum_ES_1901 / Bldg_06 | 1990 | 139 | Fenestration Protection | \$80,852 |
| Central Florida | Polk | Socrum_ES_1901 / Bldg_07 | 2007 | 105 | Fenestration Protection | \$61,075 |
| Central Florida | Polk | Wendell_H_Watson_ES_1881 / Bldg_01 | 1990 | 69 | Fenestration Protection | \$40,135 |
| Central Florida | Polk | Wendell_H_Watson_ES_1881 / Bldg_02 | 1990 | 116 | Fenestration Protection | \$67,474 |
| Central Florida | Polk | Wendell_H_Watson_ES_1881 / Bldg_03 | 1990 | 104 | Fenestration Protection | \$60,494 |
| Central Florida | Polk | Wendell_H_Watson_ES_1881 / Bldg_04 | 1990 | 178 | Fenestration Protection | \$103,537 |
| Central Florida | Polk | Wendell_H_Watson_ES_1881 / Bldg_05 | 1990 | 87 | Fenestration Protection | \$50,605 |
| Central Florida | Polk | Wendell_H_Watson_ES_1881 / Bldg_06 | 1990 | 134 | Fenestration Protection | \$77,944 |
| Central Florida | Polk | Wendell_H_Watson_ES_1881 / Bldg_09 | 2009 | 90 | Fenestration Protection | \$52,350 |
| Central Florida | Polk | Southwest_ES_0231 / Bldg_06 | 1999 | 105 | Fenestration Protection | \$61,075 |
| Central Florida | Polk | Southwest_MS_0051 / Bldg_20 | 1992 | 39 | Fenestration Protection | \$22,685 |
| Central Florida | Polk | Mulberry_MS_1161 / Bldg_10 | 1994/ 2011 | 93 | Fenestration Protection | \$54,095 |
| Central Florida | Polk | Mulberry_MS_1161 / Bldg_11 POD B | 1998 | 80 | Fenestration Protection | \$46,534 |
| Central Florida | Polk | Mulberry_MS_1161 / Bldg_12 | 1982/ 2011 | 50 | Fenestration Protection | \$29,084 |
| Central Florida | Polk | Mulberry_MS_1161 / Bldg_13 POD A | 1998 | 62 | Fenestration Protection | \$36,064 |
| Central Florida | Polk | Mulberry_MS_1161 / Bldg_16-A 1st Floor Admin, Clinic | 2011 | 62 | Fenestration Protection | \$36,064 |
| Central Florida | Polk | Mulberry_MS_1161 / 16-B_LRDM_Media_Classrooms_2nd-FLR | 2011 | 67 | Fenestration Protection | \$38,972 |
| Central Florida | Polk | Mulberry_MS_1161 / Bldg_18 | 2011 | 89 | Fenestration Protection | \$51,769 |
| Central Florida | Polk | Scott_Lake_ES_1681 / Bldg_02 POD A | 1998 | 105 | Fenestration Protection | \$61,075 |
| Central Florida | Polk | Eagle_Lake_ES_1701 / Bldg_03_POD_A_type-Prefab | 1999 | 67 | Fenestration Protection and Engineering Study | \$38,972 |
| Central Florida | Polk | Eagle_Lake_ES_1701 / Bldg_05 | 2007 | 164 | Fenestration Protection | \$95,394 |
| Central Florida | Polk | Eagle_Lake_ES_1701 / Bldg_06 | 1989 | 60 | Fenestration Protection and Engineering Study | \$34,900 |
| Central Florida | Polk | Sleepy_Hill_ES_1271 (Bldg-01) | 2008 | 6 | Fenestration Protection | \$3,490 |
| Central Florida | Polk | Sleepy_Hill_ES_1272 (Bldg-02) | 2008 | 28 | Fenestration Protection | \$16,287 |
| Central Florida | Polk | Spessard_Holland_ES_1908 (Bldg-01) | 2008 | 6 | Fenestration Protection | \$3,490 |
| Central Florida | Polk | Spessard_Holland_ES_1908 (Bldg-02) | 2008 | 45 | Fenestration Protection | \$26,175 |
| Central Florida | Polk | Winter_Haven_HS_0481 (Bldg-33.A) | 2010 | 60 | Fenestration Protection | \$34,900 |
| Central Florida | Polk | Winter_Haven_HS_0481 (Bldg-33.B) | 2010 | 65 | Fenestration Protection | \$37,809 |
| Central Florida | Polk | Winter_Haven_HS_0481 (Bldg-34.A) | 2010 | 332 | Fenestration Protection | \$193,114 |
| Central Florida | Polk | Winter_Haven_HS_0481 (Bldg-34.B) | 2010 | 271 | Fenestration Protection | \$157,633 |
| Tampa Bay | | | | | | |
| Tampa Bay | Citrus | Central Ridge ES 1 East Wing/CR | 2006 | 733 | Fenestration Protection | \$426,364 |
| Tampa Bay | Citrus | Crest School 2 Main | 1999 | 621 | Fenestration Protection | \$361,217 |
| Tampa Bay | Citrus | Central Ridge ES 1 Main/Admin & Media | 2006 | 125 | Fenestration Protection | \$72,709 |
| Tampa Bay | Hernando | Suncoast ES 8 CR | 2010 | 552 | Engineering & Fenestration | \$321,082 |
| Tampa Bay | Hernando | Nature Coast Tech HS 2 CR | 2001 | 261 | Engineering & Fenestration | \$151,816 |
| Tampa Bay | Hernando | Chocachatti ES 6 CR | 2005 | 241 | Engineering & Fenestration | \$140,182 |
| Tampa Bay | Hernando | Hernando SHS 30 CR | 2008 | 230 | Engineering & Fenestration | \$133,784 |
| Tampa Bay | Hernando | West Hernando MS 6 Cafeteria | 1993 | 226 | Engineering & Fenestration | \$131,457 |
| Tampa Bay | Manatee | Gullett ES 1 CR/Clinic 2nd Floor | 2007 | 934 | Fenestration Protection | \$543,280 |
| Tampa Bay | Manatee | Lee MS 1G CR | 2000 | 391 | Fenestration & genset | \$227,433 |
| Tampa Bay | Pasco | Wiregrass Ranch SHS 7 Cafeteria | 2006 | 350 | Harden exterior doors | \$203,585 |
| Tampa Bay | Pasco | Wesley Chapel SHS 7 Gym | 1998 | 865 | Fenestration Protection | \$503,145 |
| Tampa Bay | Pasco | Wesley Chapel SHS 8 Aud | 1998 | 3184 | Fenestration Protection | \$1,852,037 |
| Tampa Bay | Pasco | Connerton ES 1 Admin / Media | 2010 | 125 | Fenestration Protection | \$72,709 |
| Tampa Bay | Pasco | Connerton ES 2 CR | 2010 | 125 | Fenestration Protection | \$72,709 |
| Tampa Bay | Pasco | Double Branch ES 1 Admin | 2007 | 125 | Fenestration Protection | \$72,709 |
| Tampa Bay | Pasco | Double Branch ES 3 Cafeteria/Multipurpose | 2007 | 125 | Fenestration Protection | \$72,709 |
| Tampa Bay | Pasco | Double Branch ES 2 CR | 2007 | 125 | Fenestration Protection | \$72,709 |
| Tampa Bay | Pasco | Double Branch ES 4 CR | 2007 | 125 | Fenestration Protection | \$72,709 |
| Tampa Bay | Pasco | Wesley Chapel SHS 5 Cafeteria | 1998 | 350 | Harden exterior doors | \$203,585 |
| Tampa Bay | Pasco | Cypress M/HS 1 - Admin | 2017 | 294 | Fenestration Protection | \$171,011 |
| Tampa Bay | Pasco | Cypress M/HS2 - Gym | 2017 | 679 | Fenestration Protection | \$394,954 |
| Tampa Bay | Pasco | Cypress M/HS5 - Cafeteria & Art and Music | 2017 | 547 | Fenestration Protection | \$318,173 |
| Tampa Bay | Pasco | Longleaf ES 1-Library & Classrooms | 2005 | 289 | Fenestration Protection | \$168,103 |
| Tampa Bay | Pasco | Longleaf ES 2- Admin & ESE | 2005 | 119 | Fenestration Protection | \$69,219 |
| Tampa Bay | Pasco | Longleaf ES 3- Multipurpose Dining & Stage | 2005 | 185 | Fenestration Protection | \$107,609 |

| | | | | | | |
|--------------------------|--------------|--|------|-------|------------------------------------|-------------|
| Tampa Bay | Pasco | New River ES 1 - CR | 2007 | 110 | Fenestration Protection | \$63,984 |
| Tampa Bay | Pasco | New River ES 2-Media Room & CR | 2007 | 367 | Fenestration Protection | \$213,473 |
| Tampa Bay | Pasco | New River ES 3-Dining & Multipurpose | 2007 | 184 | Fenestration Protection | \$107,027 |
| Tampa Bay | Pasco | Oakslead ES 1 -ESE CR | 2006 | 295 | Fenestration Protection | \$171,593 |
| Tampa Bay | Pasco | Oakslead ES 2-Admin & Classrooms | 2006 | 111 | Fenestration Protection | \$64,565 |
| Tampa Bay | Pasco | Oakslead ES 3 - Multipurpose | 2006 | 184 | Fenestration Protection | \$107,027 |
| Tampa Bay | Pasco | Trinity Oaks ES 1 CR | 2001 | 201 | Fenestration Protection | \$116,916 |
| Tampa Bay | Pasco | Trinity Oaks ES 2 Admin &art | 2001 | 122 | Fenestration Protection | \$70,964 |
| Tampa Bay | Pasco | Trinity Oaks ES 3 CR | 2001 | 197 | Fenestration Protection | \$114,589 |
| Tampa Bay | Pinellas | McMullen Boothe ES 4 CR | 1996 | 455 | Fenestration Protection | \$264,660 |
| Tampa Bay | Pinellas | McMullen Boothe ES 45CR | 1996 | 455 | Fenestration Protection | \$264,660 |
| Tampa Bay | Pinellas | Fairmount ES 6 CR | 2001 | 476 | Fenestration Protection | \$276,875 |
| Tampa Bay | Pinellas | Palm Harbor Senior Center | 1999 | 257 | Fenestration Protection | \$149,489 |
| Tampa Bay | Pinellas | UPARC Long Center | 1988 | 420 | Fenestration Protection | \$244,301 |
| Tampa Bay | Pinellas | Seminole_MS_3940 (Bldg_03) | 1983 | 106 | Fenestration Protection | \$61,657 |
| Tampa Bay | Pinellas | Countryside_HS_0760 (Bldg_06) | 1990 | 50 | Fenestration Protection | \$29,084 |
| Southwest Florida | | | | | | |
| Southwest Florida | Charlotte | Charlotte County Airport Baggage Claims | TBD | 800 | Fenestration Protection | \$465,336 |
| Southwest Florida | Charlotte | Charlotte Preparatory School | TBD | 250 | Fenestration Protection and GenSet | \$145,418 |
| Southwest Florida | Glades | Glades County Health Dept 1 Main | 2011 | 235 | Fenestration Protection | \$136,692 |
| Southwest Florida | Lee | Veteran's Park Academy 3 Caf | 2003 | 2763 | GenSet Protection | \$1,607,154 |
| Southwest Florida | Lee | Veteran's Park Academy 9 Cafeteria | 2003 | 990 | Fenestration Protection | \$575,853 |
| Southwest Florida | Lee | East Lee County HS 1 Multipurpose / PE | 2005 | 250 | Fenestration Protection | \$145,418 |
| Southwest Florida | Lee | East Lee County HS 1 Aud | 2005 | 200 | Fenestration Protection | \$116,334 |
| Southwest Florida | Lee | East Lee County HS 1 CR | 2005 | 200 | Fenestration Protection | \$116,334 |
| Southwest Florida | Lee | East Lee County HS 1 Cafeteria | 2005 | 200 | Fenestration Protection | \$116,334 |
| Southwest Florida | Lee | Sunshine ES 5 CR | 2006 | 212 | Fenestration Protection | \$123,314 |
| Southwest Florida | Lee | Varsity Lakes MS 2 Cafeteria / Art | 2003 | 200 | Fenestration Protection | \$116,334 |
| Southwest Florida | Sarasota | State College of Florida - Lakewood Ranch | 2011 | 450 | Fenestration Protection | \$261,752 |
| Southwest Florida | Sarasota | Woodland MS | 2007 | 256 | Fenestration Protection | \$148,908 |
| Treasure Coast | | | | | | |
| Treasure Coast | Indian River | Liberty Magnet 1 Main | 2005 | 184 | Fenestration Protection | \$107,027 |
| Treasure Coast | Indian River | Treasure_Coast_ES_0341 / B-01_A Wing_0100 | 1990 | 42 | Fenestration Protection | \$24,430 |
| Treasure Coast | Indian River | Treasure_Coast_ES_0341 / B-01_B Wing_0200 | 1990 | 139 | Fenestration Protection | \$80,852 |
| Treasure Coast | Indian River | Treasure_Coast_ES_0341 / B-01_C Wing_0300 | 1990 | 10 | Fenestration Protection | \$5,817 |
| Treasure Coast | Indian River | Treasure_Coast_ES_0341 / B-01_D Wing_0400 | 1990 | 192 | Fenestration Protection | \$111,681 |
| Treasure Coast | Indian River | Treasure_Coast_ES_0341 / B-05 Wing_0500 | 1990 | 12 | Fenestration Protection | \$6,980 |
| Treasure Coast | Indian River | Treasure_Coast_ES_0341 / B-06 Wing_0600 | 1990 | 203 | Fenestration Protection | \$118,079 |
| Treasure Coast | Indian River | Treasure_Coast_ES_0341 / B-07 Wing_0700 | 2009 | 187 | Fenestration Protection | \$108,772 |
| Treasure Coast | Indian River | Treasure_Coast_ES_0341 / B-08 Wing_0800 | 2009 | 41 | Fenestration Protection | \$23,848 |
| Treasure Coast | Martin | Indiantown MS 5 Cafeteria | 2010 | 600 | GenSet | \$349,002 |
| Treasure Coast | Martin | Port Salerno ES 1 Main | 2002 | 1,300 | GenSet | \$756,171 |
| Treasure Coast | Martin | Willoughby Learning Center | 1998 | 600 | GenSet | \$349,002 |
| Treasure Coast | Martin | Warfield ES 8 Cafeteria | 2006 | 231 | Common Space Protection | \$134,366 |
| Treasure Coast | Martin | Cassidy Rec Center | 2003 | 150 | Fenestration Protection | \$87,251 |
| Treasure Coast | Palm Beach | Florida Atlantic University - Business | 2004 | 500 | Fenestration Protection | \$290,835 |
| Treasure Coast | St. Lucie | Dannn McCarty MS 20 CR | 2001 | 882 | Fenestration Protection | \$513,033 |
| South Florida | | | | | | |
| South Florida | Broward | Floranada ES a | 1999 | 900 | Fenestration Protection | \$523,503 |
| South Florida | Broward | Floranada ES b | 1999 | 900 | Fenestration Protection | \$523,503 |
| South Florida | Miami-Dade | Marjory Stoneman Douglas ES 10 CR / Media | 1990 | 324 | Fenestration Protection | \$188,461 |
| South Florida | Miami-Dade | Marjory Stoneman Douglas ES 3 CR | 1990 | 171 | Fenestration Protection | \$99,466 |
| South Florida | Miami-Dade | Marjory Stoneman Douglas ES 1/2 Admin / CR | 1990 | 51 | Fenestration Protection | \$29,665 |
| South Florida | Miami-Dade | Marjory Stoneman Douglas ES 7/8 ESE | 1990 | 101 | Fenestration Protection | \$58,749 |
| South Florida | Miami-Dade | Marjory Stoneman Douglas ES 9 CR | 1990 | 136 | Fenestration Protection | \$79,107 |
| South Florida | Miami-Dade | Marjory Stoneman Douglas ES 4 CR | 1990 | 49 | Fenestration Protection | \$28,502 |
| South Florida | Miami-Dade | Marjory Stoneman Douglas ES 8 ESE | 1990 | 28 | Fenestration Protection | \$16,287 |

**APPENDIX B:
HURRICANE EVACUATION SHELTER DEFICIT REDUCTION PROGRESS**

| RPC | County | 2023 Maximum Shelter Demand in Spaces | 2023 SESP Operational spaces | Cumulative School EHPA Capacity | 1995–2023 Development & As-Is Spaces | Retrofit Shelter Capacity Under Contract | Is the County/ Region in Deficit? |
|--|--------------|---------------------------------------|------------------------------|---------------------------------|--------------------------------------|--|-----------------------------------|
| Emerald Coast | Bay | 13,182 | 5,424 | 0 | 6,285 | 1,093 | Yes |
| Emerald Coast | Escambia | 5,196 | 35,296 | 1,215 | 34,081 | 0 | No |
| Emerald Coast | Holmes | 430 | 2,360 | 910 | 713 | 0 | No |
| Emerald Coast | Okaloosa | 8,152 | 11,360 | 0 | 7575 | 0 | Yes |
| Emerald Coast | Santa Rosa | 4,797 | 3,937 | 0 | 5,291 | 0 | No |
| Emerald Coast | Walton | 5,293 | 3,232 | 0 | 1747 | 0 | Yes |
| Emerald Coast | Washington | 499 | 6,171 | 172 | 4569 | 0 | No |
| Emerald Coast Subtotals | | 37,549 | 67,780 | 2,297 | 60,261 | 1,093 | No |
| Apalachee | Calhoun | 295 | 3,161 | 0 | 1365 | 0 | No |
| Apalachee | Franklin | 1,137 | 0 | 0 | 0 | 0 | Yes |
| Apalachee | Gadsden | 756 | 6,456 | 1,443 | 2,753 | 734 | No |
| Apalachee | Gulf | 1,044 | 418 | 186 | 232 | 0 | Yes |
| Apalachee | Jackson | 914 | 2,865 | 2,264 | 601 | 0 | No |
| Apalachee | Jefferson | 233 | 2,197 | 689 | 1,508 | 78 | No |
| Apalachee | Leon | 2,270 | 20,936 | 1,223 | 19,713 | 0 | No |
| Apalachee | Liberty | 138 | 2,302 | 955 | 1,347 | 0 | No |
| Apalachee | Wakulla | 1,375 | 443 | 0 | 443 | 0 | Yes |
| Apalachee Subtotals | | 8,162 | 38,778 | 6,760 | 27,962 | 812 | No |
| North Central Florida | Alachua | 2,419 | 13,675 | 2,536 | 11,139 | 252 | No |
| North Central Florida | Bradford | 675 | 2,174 | 0 | 2,174 | 0 | No |
| North Central Florida | Columbia | 1,654 | 6,244 | 4,419 | 1,825 | 0 | No |
| North Central Florida | Dixie | 761 | 6,212 | 0 | 6,212 | 0 | No |
| North Central Florida | Gilchrist | 672 | 3,013 | 0 | 3,013 | 0 | No |
| North Central Florida | Hamilton | 367 | 1,143 | 811 | 332 | 0 | No |
| North Central Florida | Lafayette | 238 | 387 | 0 | 387 | 0 | Yes |
| North Central Florida | Levy | 1,940 | 1,788 | 0 | 1,788 | 0 | Yes |
| North Central Florida | Madison | 461 | 2,894 | 0 | 2,894 | 0 | No |
| North Central Florida | Suwannee | 1,424 | 4,818 | 3,774 | 1,044 | 0 | No |
| North Central Florida | Taylor | 905 | 3,045 | 0 | 3,045 | 0 | No |
| North Central Florida | Union | 203 | 432 | 0 | 432 | 0 | No |
| North Central Florida Subtotals | | 11,719 | 45,825 | 11,540 | 34,285 | 252 | No |
| Northeast Florida | Baker | 350 | 3,227 | 1,829 | 1,398 | 0 | No |
| Northeast Florida | Clay | 6,510 | 12,041 | 4,796 | 7,245 | 2,466 | No |
| Northeast Florida | Duval | 35,166 | 37,867 | 9,701 | 28,166 | 0 | No |
| Northeast Florida | Flagler | 3,739 | 12,300 | 909 | 11,061 | 0 | No |
| Northeast Florida | Nassau | 4,581 | 4,677 | 3,340 | 1,337 | 0 | Yes |
| Northeast Florida | Putnam | 2,556 | 3,820 | 80 | 3,740 | 0 | No |
| Northeast Florida | St. Johns | 11,026 | 11,370 | 4,136 | 18,714 | 0 | No |
| Northeast Florida Subtotals | | 63,928 | 85,302 | 24,791 | 71,661 | 2,466 | No |
| East Central Florida | Brevard | 22,631 | 35,610 | 10,839 | 40,201 | 0 | No |
| East Central Florida | Lake | 6,217 | 21,490 | 19,575 | 4,829 | 6,908 | No |
| East Central Florida | Marion | 5,728 | 15,311 | 6,713 | 8,646 | 6,940 | No |
| East Central Florida | Orange | 8,533 | 30,037 | 24,168 | 5,869 | 3,390 | No |
| East Central Florida | Osceola | 6,420 | 36,728 | 8,420 | 28,308 | 0 | No |
| East Central Florida | Seminole | 2,822 | 23,312 | 2,554 | 20,758 | 1,914 | No |
| East Central Florida | Sumter | 1,618 | 1,987 | 0 | 1,987 | 0 | No |
| East Central Florida | Volusia | 23,292 | 20,130 | 5,812 | 14,318 | 0 | Yes |
| East Central Florida Subtotals | | 77,261 | 184,605 | 78,081 | 124,916 | 19,152 | No |
| Central Florida | DeSoto | 1,524 | 1,759 | 0 | 2,860 | 733 | No |
| Central Florida | Hardee | 1,033 | 4,158 | 2,681 | 1,477 | 0 | No |
| Central Florida | Highlands | 2,828 | 7,907 | 4,152 | 3,755 | 0 | No |
| Central Florida | Okeechobee | 2,045 | 4,717 | 684 | 4,033 | 0 | No |
| Central Florida | Polk | 12,790 | 40,790 | 33,491 | 7,299 | 3,986 | No |
| Central Florida Subtotals | | 20,220 | 59,331 | 41,008 | 19,424 | 4,719 | No |
| Tampa Bay | Citrus | 4,459 | 4,545 | 1,276 | 3,269 | 0 | Yes |
| Tampa Bay | Hernando | 6,637 | 4,406 | 2,628 | 1,778 | 0 | Yes |
| Tampa Bay | Hillsborough | 56,905 | 83,717 | 51,184 | 32,533 | 0 | No |
| Tampa Bay | Manatee | 25,540 | 19,584 | 8,814 | 10,601 | 0 | Yes |
| Tampa Bay | Pasco | 23,865 | 25,158 | 7,576 | 17,582 | 0 | No |

| | | | | | | | |
|------------------------------------|--------------|----------------|----------------|---------------|---------------|---------------|------------|
| Tampa Bay | Pinellas | 49,750 | 37,696 | 6,483 | 23,961 | 0 | Yes |
| Tampa Bay Subtotals | | 167,156 | 175,106 | 77,961 | 89,724 | 0 | No |
| Southwest Florida | Charlotte | 15,126 | 0 | 0 | 0 | 0 | Yes |
| Southwest Florida | Collier | 37,321 | 4,953 | 0 | 4,953 | 0 | Yes |
| Southwest Florida | Glades | 883 | 2,228 | 303 | 1,925 | 0 | No |
| Southwest Florida | Hendry | 1,694 | 3,830 | 0 | 3,830 | 0 | No |
| Southwest Florida | Lee | 61,022 | 34,253 | 0 | 18,195 | 0 | Yes |
| Southwest Florida | Sarasota | 27,585 | 13,915 | 4,721 | 9,194 | 11,073 | Yes |
| Southwest Florida Subtotals | | 143,631 | 59,179 | 5,024 | 38,097 | 11,073 | Yes |
| Treasure Coast | Indian River | 6,485 | 14,558 | 0 | 0 | 550 | No |
| Treasure Coast | Martin | 6,678 | 15,079 | 3,791 | 11,288 | 0 | No |
| Treasure Coast | Palm Beach | 30,411 | 54,558 | 82,973 | 0 | 0 | No |
| Treasure Coast | St. Lucie | 6,310 | 15,523 | 0 | 17,515 | 0 | No |
| Treasure Coast Subtotals | | 49,884 | 99,718 | 86,764 | 28,803 | 550 | No |
| South Florida | Broward | 119,490 | 69,898 | 69,898 | 0 | 0 | Yes |
| South Florida | Miami-Dade | 118,368 | 96,052 | 17,196 | 78,856 | 0 | Yes |
| South Florida | Monroe | 7,498 | 714 | 0 | 714 | 0 | Yes |
| South Florida Subtotals | | 245,356 | 166,664 | 87,094 | 79,570 | 0 | Yes |