

I. INTRODUCTION

Purpose

In an effort to continue to reduce the State's public hurricane shelter deficit, the Division of Emergency Management (Division) annually issues a *Shelter Retrofit Report*, which provides a list of facilities recommended to be retrofitted using state funds. See Sec.252.385, Florida Statutes. Each year the President of the Senate, the Speaker of the House of Representatives and the Governor receive this report. This report recommends and prioritizes facilities to retrofit based on each RPC region's public hurricane evacuation shelter deficit. The report's objective is to improve relative safety and reduce the hurricane evacuation shelter space deficit in the state.

Shelter Retrofit Project Identification Procedure

In collaboration with local American Red Cross (ARC) Chapters, school boards, and other public and private agencies, county emergency management agencies provided the data used for the *2017 Shelter Retrofit Report*. The Division recognizes that local officials are aware of underutilized facilities and are in a position to make recommendations that will best serve their communities. In order to identify potential shelter retrofit projects for inclusion in the *2017 Shelter Retrofit Report*, the Division provided general guidance for the development of proposals in a questionnaire-type format that the counties could use for project submittal. Accurate and thorough completion of the questionnaire (*see Appendix H*) guided those that prepared the project proposals through the shelter selection and retrofit proposal development process.

The questionnaire was prepared to include sufficient information to determine if the facility could meet the American Red Cross' hurricane hazard safety guidelines, clearly define the project(s) to be undertaken and their impact upon hurricane shelter capacity and safety, and explain the interrelationship of the proposed project(s) and local and regional shelter strategies. The hurricane safety guidelines are found in *Standards for Hurricane Evacuation Shelter Selection* (ARC 4496, 2002). The cost estimates were generally provided by local agencies, commercial contractors, "rough orders of magnitude" (ROM), or in some cases, past experience in the retrofit program projects. Division staff then reviewed and ranked the projects.

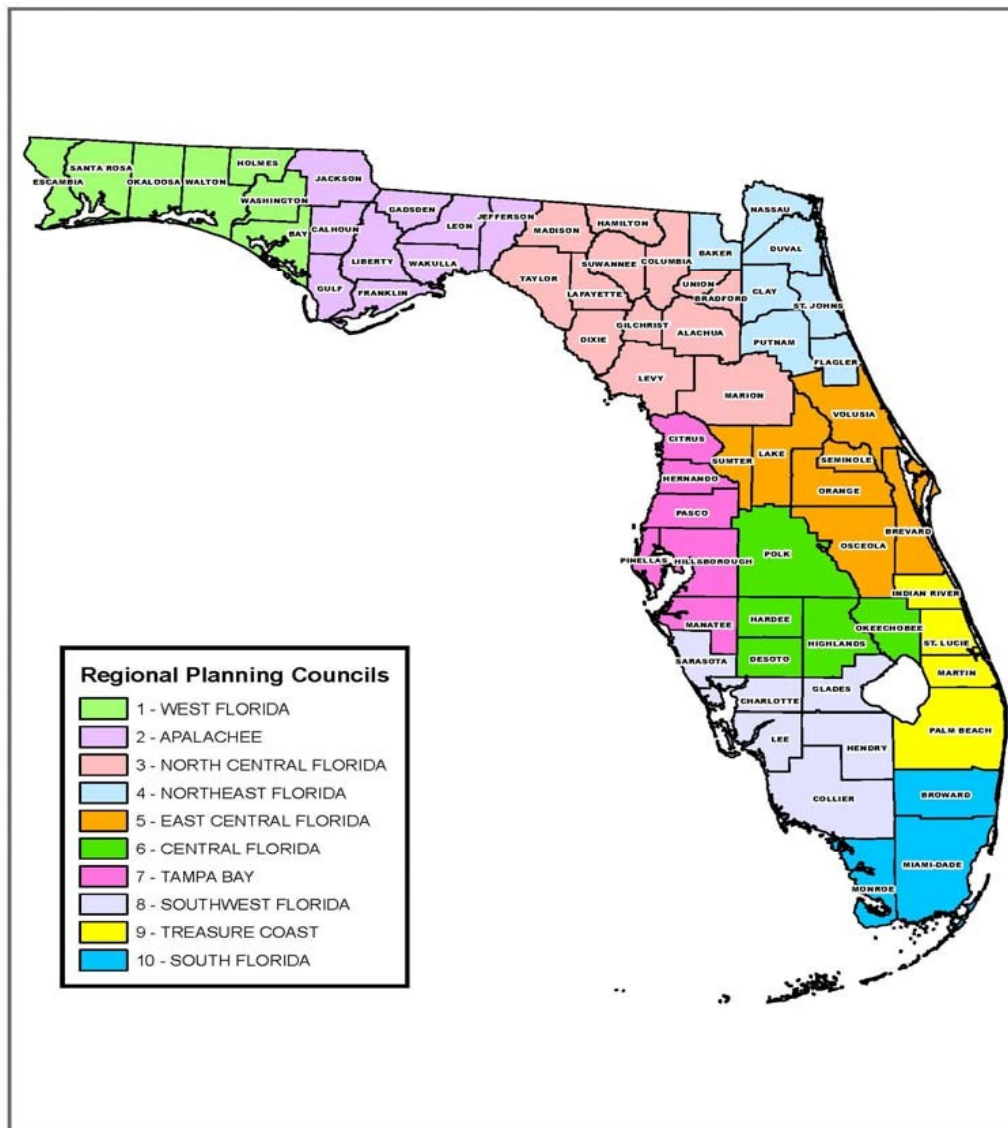
This Report includes projects originally submitted in previous Shelter Retrofit Reports. Previous projects have been re-ranked as appropriate.

The State's criteria consist of the following:

- Regional and Local Shelter Deficit Reduction

- Structural and Hazards Vulnerability Review (ARC 4496)
- Shelter Capacity Increase, Building Ownership and Availability, and Cost-Effectiveness Considerations
- Other Considerations / Demonstration of Impact Upon the State and Regional Shelter Deficit Situation

For more details on each criteria, please review *Methodology for Recommendation of Projects for Funding* attached hereto as Appendix D. Figure 1.1 below shows a map of the RPC regions across the State of Florida. The RPC regions are established to coordinate planning for economic development, growth management, emergencies, and other regional impacts.



**Figure 1.1 – Regional Planning Councils
Summary of Annual Reports**

The retrofit projects recommended for consideration in this Report will, if funded, substantially improve state and local hurricane preparedness. As Table 1.1 illustrates, the Governor and the State Legislature have demonstrated a sustained commitment to reduce the deficit of safe public hurricane shelter space. From 1999 to 2017, approximately \$92 million in federal and state funds have been committed towards retrofitting suitable facilities, funding an estimated 529,450 hurricane shelter spaces.

Table 1.1 Historical Summary of Florida's Hurricane Shelter Retrofit Program					
Shelter Retrofit Report Year	Annual Shelter Retrofit Report Recommended Cost \$ (without generators)	Annual Shelter Retrofit Report Projected Number of Spaces Gained	Federal and State Funds Allocated to Shelter Retrofit Report Recommended Projects	Shelter Retrofit Report Spaces gained	Cumulative Shelter Retrofit Report Spaces gained
1999	\$16,185,193	88,679	\$8,473,341	72,230	72,230
2000	\$36,399,457	250,362	\$25,572,795	119,087	191,317
2001	\$26,943,516	119,905	\$5,233,731	20,574	211,891
2002	\$26,959,668	157,326	\$4,735,113	41,710	253,601
2003	\$23,349,714	137,985	\$3,000,000	33,381	286,982
2004	\$13,457,737	93,967	\$7,500,000	68,765	355,747
2005	\$11,882,722	68,882	\$3,000,000	24,481	380,228
2006	\$8,683,049	54,415	\$3,000,000	13,820	394,048
2007	\$10,956,377	82,930	^b \$6,607,263	^a 25,645	419,693
2008	\$13,432,213	85,997	\$0	^c 0	419,693
2009	\$11,777,884	69,465	\$3,000,000	^d 13,055	432,748
2010	\$15,634,282	120,447	\$1,750,000	^e 4,861	437,609
2011	\$20,337,203	109,308	\$2,250,000	^f 9,531	447,140
2012	\$14,707,717	110,394	\$3,000,000	^g 14,810	461,950
2013	\$12,745,072	87,150	\$3,000,000	^h 13,500	475,450

2014	\$13,994,180	107,236	\$3,000,000	ⁱ 13,500	488,950
2015	\$15,188,945	117,609	\$3,000,000	^j 13,500	502,450
2016	\$13,465,342	69,541	\$3,000,000	^k 13,500	515,950
2017	\$13,794,763	65,303	\$3,000,000	^l 13,500	529,450
TOTAL	N/A	N/A	\$92,122,243	529,450	

- ^a – 25,645 spaces were gained from HB 7121 & 1621X shelter retrofit projects.
- ^b – \$6,607,263 was based on federal funds plus state funds match for HB7121 and non-federal matched projects from Special Appropriation 1621X
- ^c – For Fiscal Year 08-09 no funds were appropriated for the Shelter Retrofit Report list
- ^d – 13,055 reflects estimated gain from Specific Appropriation 1496 (FY 2009-2010)
- ^e – 4,861 reflects estimated gain from Specific Appropriation 1617 (FY 2010-2011)
- ^f – 9,531 reflects Spaces completed / under contract from Specific Appropriation 1515A (FY2011-2012)
- ^g – 14,810 reflects Spaces under contract / offered to be gained from Specific Appropriation 2624 (FY2012-2013)
- ^h – 13,500 is preliminary estimate of spaces to be gained from accepted & offered + remaining funds averaged at rate based upon \$220 a space from Specific Appropriation 2571 (FY2013-2014)
- ⁱ – 13,500 is preliminary estimate of spaces to be gained from offered + remaining funds averaged at rate based upon \$220 a space from Specific Appropriation 2593 (FY2014-2015)
- ^{j, k, l} – 13,500 is preliminary estimate of spaces to be gained from an average rate based upon 2012, 2013 & 2014 for 2015-2017 Appropriation

