

**ANNEX G TO HURRICANE PLAN**  
**HURRICANE RESPONSE SHELTER MANAGEMENT**

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**I. INTRODUCTION**

- A. General population shelter management for all hazards is referenced in Attachment 3 to Annex 6 to the SCEOP.
- B. Hurricane evacuation shelter requirements are calculated using a percentage of the population in the evacuation zones. Hurricane Region counties identify facilities with adequate space to fulfill these sheltering requirements.

**II. PURPOSE**

This annex references sheltering operations due to a response to a hurricane.

**III. CONCEPT OF OPERATIONS**

- A. ESF-6 (Mass Care) is the lead Emergency Support Function (ESF) for managing the general population and Medical Equipment Power Shelter (MEPS) plans and execution.
  - 1. SC Department of Social Services (DSS) is the lead State agency for managing the State general population shelter plan and general population shelter execution.
  - 2. The American Red Cross (ARC), as a primary agency to ESF-6, surveys, opens, manages, resources, operates, transitions, and closes Red Cross managed shelters in coordination with DSS and County Emergency Management based on Red Cross resourcing capabilities and commitments.

The American Red Cross will not open, operate, staff, manage, resource, or support a shelter in an evacuation or surge zone, or a shelter that does not comply with the American Red Cross Hurricane Evacuation Shelter Selection Standards.

- B. Hurricane Shelters are organized into two groups: Evacuation Support Shelters and Local Support Shelters.
  - 1. Evacuation Support Shelters are identified in sets designed for simultaneous openings. These shelters are arranged throughout the northern, central, and southern hurricane regions, and generally are larger capacity shelters.
  - 2. Local Support Shelters are shelters that can open at the request of the counties. These shelters may operate with or without ARC support and may be located throughout the state.
- C. To coordinate shelter openings, ESF-6, SCEMD, and the counties identify all Hurricane Shelters before the beginning of hurricane season.

- D. All Hurricane Shelters in all counties are surveyed per the American Red Cross Hurricane Evacuation Shelter Selection Standards. All hurricane shelters follow these standards for selection.
- E. Opening of Shelters
1. Pre-storm, the American Red Cross may support up to 22 shelters. Additional American Red Cross shelter staff and supplies may be brought in post-landfall as needed and as available.
  2. Up to 22 Evacuation Support Shelters will open to support the evacuating population. The initial 22 shelters will be coordinated between State ESF-6 and County Emergency Management from the pre-determined list of Evacuation Support Shelters.
  3. The number of Evacuation Support Shelters that will open will be determined by the population in the evacuation order.
  4. The list of Evacuation Support Shelters designated to open will be shared during the county coordination calls. ESF-6 and the counties will agree on the list 24 hours before the evacuation begins.
  5. Evacuation Support Shelters will open at the start of the evacuation (E-Hour).
  6. Additional Local Support Shelters may be requested and/or operated by the counties as needed.
  7. Local Support Shelters can open until the arrival of tropical storm force winds. They may also open post storm.
  8. Neither Evacuation Support Shelters nor Local Support Shelter are limited to residents living in the evacuation zones.
  9. ESF-6 (Mass Care), in coordination with SCEMD and county emergency management, has the authority to adjust the openings of shelters and the coordination of opening to meet the requirements of the situation and the requirements of the evacuation.
  10. Additional shelters within the state may open as shelters begin to reach 75% capacity.
- F. Closing of Shelters
1. Follows the same process as SCEOP Annex 6 Attachment 3.

2. The decision to close shelters is based on many factors including the number of evacuees in the shelter, returning destination of the evacuees, location of other nearby shelters, available transportation, and housing options.
3. The American Red Cross will not deter evacuees from leaving the shelter; however, authority to authorize and allow residents to return to an area resides with the local government.

G. Public Announcement of Shelter Openings/Closings

Follows the same process as SCEOP Annex 6 Attachment 3.

H. Hurricane Shelter Requirements

1. Sheltering Estimates

- a. To plan shelter space for evacuees, the population for each hurricane evacuation zone expected to seek public shelter was calculated. Sheltering numbers from past hurricanes and responses from the hurricane behavioral survey were used to estimate the percentage of the population living in evacuation zones that would be likely to seek public shelter. 2%, 3%, and 5% were used as planning factors.
- b. Compliance rates were used as an additional planning factor. 25%, 50%, 75%, and 100% compliance rates were used.
- c. The total population requiring sheltering in the Hurricane Regions is continually changing. This change is due to the increasing coastal population.

2. Shelter Requirements

- a. Planning considerations for Hurricane Shelters involve several factors and require close coordination with the local officials and/or emergency management responsible for public safety. Technical information contained in hurricane evacuation studies, storm surge, flood mapping and other data can be used to help make informed decisions about the suitability of shelters. Reference the American Red Cross Hurricane Evacuation Shelter Selection Standards.
- b. The forecasted impacts and severity of an approaching hurricane may reduce the number of available shelters in the affected counties.
- c. Emergency capacity is determined using 20 sq ft/person for shelters opening pre-storm.
- d. For shelter operation extending post storm, 40 sq. ft. per person is allocated and a population shift may be required.

G. Medical Equipment Power Shelters (MEPS)

1. See SCEOP Annex 6 Attachment 4.
2. The trigger of opening MEPS pre- impact will depend on if an evacuation was ordered by the Governor and/or if persons are identified as meeting MEPS criteria. Identification of need will occur through the DPH Triage.
  - a. At the beginning of the evacuation, DPH will establish triage and coordinate with local county emergency management and ESF-6 to open MEPSs as necessary to support the evacuation plan and respond to the evacuation of the coastal areas.
  - b. After tropical storm force winds have passed, DPH may open additional MEPSs as persons are identified as meeting the criteria for a MEPS shelter. The opening of additional MEPS will be done in coordination with county emergency management to support the sheltering needs of the local communities.

**IV. HURRICANE EVACUATION SHELTER TABLES**

A. The following table shows estimated shelter requirements for a full coastal evacuation.

<b>SC Estimated Sheltering Requirements</b>				
	<b>Low Evacuation Compliance (25%)</b>	<b>Medium Evacuation Compliance (50%)</b>	<b>High Evacuation Compliance (75%)</b>	<b>Full Evacuation Compliance (100%)</b>
<b>Total Population</b>	280,080	560,159	840,239	1,120,318
<b>2% Seek Shelter</b>	5,491	10,982	16,473	19,141
<b>3% Seek Shelter</b>	8,237	16,473	24,710	28,711
<b>5% Seek Shelter</b>	13,728	27,455	41,183	47,851

B. The following tables depict estimate sheltering requirements by coastal county and the estimated percentage of the population potentially seeking public shelter.

<b>2 % Seeking Public Shelter</b>					
Zone	Population	Low Compliance (25%)	Medium Compliance (50%)	High Compliance (75%)	Full Compliance (100%)
Horry A	11,977	60	120	180	240
Horry B	28,145	141	281	422	563
Horry C	102,717	514	1,027	1,541	2,054
<b>Horry Total</b>	142,839	714	1,428	2,143	2,857

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Georgetown A	12,467	62	125	187	249
Georgetown B	34,282	171	343	514	686
Georgetown C	3,285	16	33	49	66
<b>Georgetown Total</b>	50,034	250	500	751	1,001
Charleston A	20,770	104	208	312	415
Charleston B	203,065	1,015	2,031	3,046	4,061
Charleston C	207,644	1,038	2,076	3,115	4,153
<b>Charleston Total</b>	431,479	2,157	4,315	6,472	8,630
Dorchester D	26,469	132	265	397	529
Dorchester E	62,515	313	625	938	1,250
Dorchester F	4,327	22	43	65	87
<b>Dorchester Total</b>	93,311	467	933	1,400	1,866

Berkeley B	22,116	111	221	332	442
Berkeley D	546	3	5	8	11
Berkeley E	138,872	694	1,389	2,083	2,777
Berkeley F	1,758	9	18	26	35
<b>Berkeley Total</b>	163,292	706	1,412	2,118	3,266
<b>Beaufort</b>	199,269	996	1,993	2,989	3,985
Colleton A	1,298	6	13	19	26
Colleton B	675	3	7	10	14
Colleton C	12,128	61	121	182	243
<b>Colleton Total</b>	14,101	71	141	212	282
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Jasper A	4,948	25	49	74	99
Jasper B	15,690	78	157	235	314
Jasper C	5,355	27	54	80	107
<b>Jasper Total</b>	25,993	130	260	390	520
<b>Full Coastal Total</b>	1,120,318	5,491	10,982	16,473	19,141

<b>3% Seeking Public Shelter</b>					
Zone	Population	Low Compliance (25%)	Medium Compliance (50%)	High Compliance (75%)	Full Compliance (100%)
Horry A	11,977	90	180	269	359

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Horry B	28,145	211	422	633	844
Horry C	102,717	770	1,541	2,311	3,082
<b>Horry Total</b>	142,839	1,071	2,143	3,214	4,285
Georgetown A	12,467	94	187	281	374
Georgetown B	34,282	257	514	771	1,028
Georgetown C	3,285	25	49	74	99
<b>Georgetown Total</b>	50,034	375	751	1,126	1,501
Charleston A	20,770	156	312	467	623
Charleston B	203,065	1,523	3,046	4,569	6,092
Charleston C	207,644	1,557	3,115	4,672	6,229
<b>Charleston Total</b>	431,479	3,236	6,472	9,708	12,944
Dorchester D	26,469	199	397	596	794
Dorchester E	62,515	469	938	1,407	1,875
Dorchester F	4,327	32	65	97	130
<b>Dorchester Total</b>	93,311	700	1,400	2,099	2,799
Berkeley B	22,116	166	332	498	663
Berkeley D	546	4	8	12	16
Berkeley E	138,872	1,042	2,083	3,125	4,166
Berkeley F	1,758	13	26	40	53
<b>Berkeley Total</b>	163,292	1,059	2,118	3,176	4,899
<b>Beaufort</b>	199,269	1,495	2,989	4,484	5,978
Colleton A	1,298	10	19	29	39
Colleton B	675	5	10	15	20
Colleton C	12,128	91	182	273	364
<b>Colleton Total</b>	14,101	106	212	317	423
Jasper A	4,948	37	74	111	148
Jasper B	15,690	118	235	353	471
Jasper C	5,355	40	80	120	161
<b>Jasper Total</b>	25,993	195	390	585	780
<b>Full Coastal Total</b>	1,120,318	8,237	16,473	24,710	28,711

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5% Seeking Public Shelter					
Zone	Population	Low Compliance (25%)	Medium Compliance (50%)	High Compliance (75%)	Full Compliance (100%)
Horry A	11,977	150	299	449	599
Horry B	28,145	352	704	1,055	1,407
Horry C	102,717	1,284	2,568	3,852	5,136
<b>Horry Total</b>	142,839	1,785	3,571	5,356	7,142
Georgetown A	12,467	156	312	468	623
Georgetown B	34,282	429	857	1,286	1,714
Georgetown C	3,285	41	82	123	164
<b>Georgetown Total</b>	50,034	625	1,251	1,876	2,502
Charleston A	20,770	260	519	779	1,039
Charleston B	203,065	2,538	5,077	7,615	10,153
Charleston C	207,644	2,596	5,191	7,787	10,382
<b>Charleston Total</b>	431,479	5,393	10,787	16,180	21,574
Dorchester D	26,469	331	662	993	1,323
Dorchester E	62,515	781	1,563	2,344	3,126
Dorchester F	4,327	54	108	162	216
<b>Dorchester Total</b>	93,311	1,166	2,333	3,499	4,666
Berkeley B	22,116	276	553	829	1,106
Berkeley D	546	7	14	20	27
Berkeley E	138,872	1,736	3,472	5,208	6,944
Berkeley F	1,758	22	44	66	88
<b>Berkeley Total</b>	163,292	1,765	3,529	5,294	8,165
<b>Beaufort</b>	199,269	2,491	4,982	7,473	9,963
Colleton A	1,298	16	32	49	65
Colleton B	675	8	17	25	34
Colleton C	12,128	152	303	455	606
<b>Colleton Total</b>	14,101	176	353	529	705
Jasper A	4,948	62	124	186	247
Jasper B	15,690	196	392	588	785
Jasper C	5,355	67	134	201	268
<b>Jasper Total</b>	25,993	325	650	975	1,300

<b>Full Coastal Total</b>	1,120,318	13,728	27,455	41,183	47,851
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C. The following tables depict shelters that may be used as Evacuation Support shelters.

**EVACUATION SUPPORT SHELTERS**

<b>County</b>	<b>Rte</b>	<b>Facility</b>	<b>Address</b>	<b>Capacity @ 20 sq</b>	<b>Capacity @ 40 sq (post storm)</b>
Florence	95	Wilson High School*	1411 East Old Marion Highway, Florence, SC 29506	569	285
Florence	95	South Florence High School*	3200 S Irby Street, Florence, SC 29505	407	204
Florence	378	Lake City High School	652 N Matthews Road, Lake City, SC 29560	385	193
Georgetown	521	Andrews Elementary School	13072 County Line Road, Andrews, SC 29510	725	363
Horry	501	Conway High School	2301 Church Street, Conway, SC 29526	579	230
Marion	501	Marion High School	1205 South Main Street, Marion, SC 29571	773	387
Marion	501	Johnakin Middle School	601 Gurley Street, Marion, SC 29571	314	156

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Sumter	NA	Sumter High School	2580 McCray's Mill Road, Sumter, SC 29154	1,037	394
<b>Northern</b>			<b>8</b>	<b>4,852</b>	<b>2,242</b>
Berkeley	176	Cane Bay High School	1624 State Rd. Summerville, SC 29483	1,131	202
Berkeley	45/521	St. Stephen Elementary School	1053 Russellville Road St. Stephen, SC 29479	231	58
Berkeley	402	Macedonia Middle School	200 Macedonia Foxes Circle St. Stephen, SC 29479	407	237
Berkeley	176	Westview Middle School	101 Westview Blvd. Goose Creek, SC 29445	295	147
Charleston	52	Military Magnet	2950 Carner Avenue, North Charleston, SC 29405	759	621
Charleston	78	North Charleston CAES	5200 Lackawanna Blvd, North Charleston, SC 29405	349	173
Charleston	526	Charleston County Bond Court	3841 Leeds Ave, North Charleston, SC 29405	146	55
Charleston	26	Stall High School	3625 Ashley Phosphate Road, North Charleston, SC 29418	1,423	317
Charleston	642	Zucker Middle School	6401 Dorchester Road, North Charleston, SC 29418	261	133

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Dorchester	642	Summerville High School	1101 Boone Hill Road, Summerville, SC 29483	1,047	376
Dorchester	642	Dubose Middle School	1005 Dubose School Road, Summerville, SC 29483	390	161
Dorchester	178	St. George Middle School	600 Minus Street, St. George, SC 29477	244	108
Dorchester	642	Fort Dorchester High School	8500 Patriot Boulevard, N Charleston, SC 29420	1549	405
Orangeburg	26/178	Orangeburg-Wilkinson High School*	601 Bruin Parkway, Orangeburg, SC 29115	1,250	241
Orangeburg	NA	Hunter-Kinard Tyler Public School	7066 Norway Road, Neeses, SC 29113	602	373
Orangeburg	61	Branchville High School	1349 Dorange Road, Branchville, SC 29432	369	250
Orangeburg	176	Lake Marion High School*	3656 Tee Vee Road, Santee, SC 29142	1,356	678
Richland	NA	Ridge View High School*	4801 Hard Scrabble Road, Columbia, SC 29229	937	341
<b>Central</b>			<b>18</b>	<b>13,220</b>	<b>4,912</b>
Aiken	20	South Aiken High School*	232 East Pine Log Road, Aiken, SC 29803	521	184

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Colleton	15	Colleton County High School+	150 Cougar Nation Dr. Walterboro, SC 29488	1,300	325
Jasper	95	Ridgeland School Complex (Junior/Middle)*+	Ridgeland North Campus 250 Jaguar Trail, Ridgeland, SC 29936	3,525	286
<b>Southern</b>			<b>3</b>	<b>5,346</b>	<b>795</b>
<b>TOTAL COASTAL</b>			<b>29</b>	<b>23,418</b>	<b>7,949</b>

\* Designates shelters that may be used as part of the Critical Transportation Needs plan. See Hurricane Plan Annex B.

+ Designates shelters that may be used as Medical Equipment Power Shelters. See SCEOP Annex 6 Attachment 4.