



Volume 1-11
Technical Data Report
South Florida Region

Appendix IIIC

Monroe County Planning Assumptions



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Table IIIC-1: Evacuation Rate for Residents Living in Site-Built Homes – Monroe County

Evacuation Rate (%)	Storm Threat Scenario				
Site-Built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Upper Keys	40	50	70	80	90
Middle Keys	35	40	70	80	90
Lower Keys	40	45	70	80	90
Key West	35	40	70	80	90

Evacuation rate indicates the percent of residents who will leave their homes to go some place safer from each zone in each storm threat scenario. Figures are based on the assumption that officials order evacuation for surge evacuation zones corresponding to storm category, plus all mobile homes and manufactured homes. Figures also assume that the actual storm track passes very close to the area being evacuated.

Table IIIC-2: Out-of-County Trip Rates for Residents Living in Site-Built Homes – Monroe County

Out-of-County Trip Rate (%)	Storm Threat Scenario				
Site-Built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Upper Keys	95	95	95	95	95
Middle Keys	95	95	95	95	95
Lower Keys	90	90	90	90	90
Key West	85	85	85	85	85

Out-of-county trip rate indicates the percent of evacuees from each zone who will seek refuge outside their own county of residence in each storm threat scenario.

Table IIIC-3: Vehicle Use Rates for Residents Living in Site-Built Homes – Monroe County

Vehicle Use Rate (%)	Storm Threat Scenario				
Site-Built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Upper Keys	85	85	85	85	85
Middle Keys	80	80	80	80	80
Lower Keys	75	75	75	75	75
Key West	90	90	90	90	90

Vehicle use rate indicates of percentage of vehicles available to the evacuating household from each zone that will be used in evacuation in each storm threat scenario.

Note: After the publication of Volume 2-11 – Regional Behavioral Analysis, minor adjustments were made in vehicle use rates following additional discussion with Monroe County. The rates in Table IIIC-3 reflect the vehicle use rates employed in the evacuation transportation analysis.

Table IIIC-4: Public Shelter Use Rates for Residents Living in Site-Built Homes – Monroe County

Public Shelter Use Rate (%)	Storm Threat Scenario				
Site-Built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Upper Keys	2	2	2	2	2
Middle Keys	2	2	2	2	2
Lower Keys	2	2	2	5	5
Key West	2	2	2	5	5

Public shelter use rate indicates the percent of evacuees from each zone who will seek refuge in public shelters, in each storm threat scenario.

Table IIIC-5: Friend / Relative Refuge Use Rates for Residents of Site-Built Homes – Monroe County

Friend / Relative Use Rate (%)	Storm Threat Scenario				
Site-Built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Upper Keys	70	70	70	75	75
Middle Keys	50	50	50	55	55
Lower Keys	60	60	60	65	65
Key West	50	50	50	55	55

Friend / relative rate indicates the percent of evacuees from each zone who will seek refuge in the homes of friends and relatives, in each storm threat scenario.

Table IIIC-6: Hotel / Motel Refuge Use Rates for Residents of Site-Built Homes – Monroe County

Hotel / Motel Use Rate (%)	Storm Threat Scenario				
Site-Built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Upper Keys	20	20	20	20	20
Middle Keys	25	25	25	25	25
Lower Keys	25	25	25	25	25
Key West	25	25	25	25	25

Hotel/motel rate indicates the percent of evacuees from each zone who will seek refuge in hotels and motels, in each storm threat scenario.

Table IIIC-7: Other Refuge Use Rates for Residents of Site-Built Homes – Monroe County

Other Refuge Use (%)	Storm Threat Scenario				
Site-Built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Upper Keys	8	8	8	3	3
Middle Keys	23	23	23	18	18
Lower Keys	13	13	13	5	5
Key West	23	23	23	15	15

Other refuge rate indicates the percent of evacuees from each zone who will seek refuge in locations such as churches, second homes, and workplaces, in each storm threat scenario.

Table IIIC-8: Evacuation Rate for Residents Living in Mobile and Manufactured Homes – Monroe County

Evacuation Rate (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Upper Keys	65	75	85	90	95
Middle Keys	65	75	85	90	95
Lower Keys	65	75	85	90	95
Key West	65	75	85	90	95

Evacuation rate indicates the percent of residents who will leave their homes to go some place safer from each zone in each storm threat scenario. Figures are based on the assumption that officials order evacuation for surge evacuation zones corresponding to storm category, plus all mobile homes and manufactured homes. Figures also assume that the actual storm track passes very close to the area being evacuated.

Table IIIC-9: Out-of-County Trip Rates for Residents Living in Mobile and Manufactured Homes – Monroe County

Out-of-County Trip Rate (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Upper Keys	75	75	75	75	75
Middle Keys	75	75	75	75	75
Lower Keys	75	75	75	75	75
Key West	75	75	75	75	75

Out-of-county trip rate indicates the percent of evacuees from each zone who will seek refuge outside their own county of residence in each storm threat scenario.

Table IIIC-10: Vehicle Use Rates for Residents Living in Mobile and Manufactured Homes – Monroe County

Vehicle Use Rate (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Upper Keys	85	85	85	85	85
Middle Keys	80	80	80	80	80
Lower Keys	75	75	75	75	75
Key West	90	90	90	90	90

Vehicle use rate indicates of percentage of vehicles available to the evacuating household from each zone that will be used in evacuation in each storm threat scenario.

Note: After the publication of Volume 2-11 – Regional Behavioral Analysis, minor adjustments were made in vehicle use rates following additional discussion with Monroe County. The rates in Table IIIC-10 reflect the vehicle use rates employed in the evacuation transportation analysis.

Table IIIC-11: Public Shelter Use Rates for Residents Living in Mobile and Manufactured Homes – Monroe County

Public Shelter Use Rate (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Upper Keys	5	5	5	10	10
Middle Keys	5	5	5	10	10
Lower Keys	5	5	5	10	10
Key West	5	5	5	10	10

Public shelter use rate indicates the percent of evacuees from each zone who will seek refuge in public shelters, in each storm threat scenario.

Table IIIC-12: Friend / Relative Refuge Use Rates for Residents of Mobile and Manufactured Homes – Monroe County

Friend / Relative Use Rate (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Upper Keys	70	70	70	70	70
Middle Keys	50	50	50	55	55
Lower Keys	60	60	60	65	65
Key West	50	50	50	55	55

Friend / relative rate indicates the percent of evacuees from each zone who will seek refuge in the homes of friends and relatives, in each storm threat scenario.

Table IIIC-13: Hotel / Motel Refuge Use Rates for Residents of Mobile and Manufactured Homes – Monroe County

Hotel / Motel Use Rate (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Upper Keys	20	20	20	20	20
Middle Keys	25	25	25	25	25
Lower Keys	25	25	25	25	25
Key West	25	25	25	25	25

Hotel/motel rate indicates the percent of evacuees from each zone who will seek refuge in hotels and motels, in each storm threat scenario.

Table IIIC-14: Other Refuge Use Rates for Residents of Mobile and Manufactured Homes – Monroe County

Other Refuge Use (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Upper Keys	5	5	5	0	0
Middle Keys	20	20	20	10	10
Lower Keys	10	10	10	0	0
Key West	20	20	20	10	10

Other refuge rate indicates the percent of evacuees from each zone who will seek refuge in locations such as churches, second homes, and workplaces, in each storm threat scenario.

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