



Volume 1-11
Technical Data Report
South Florida Region

Appendix II B

Miami-Dade County Planning
Assumptions



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Table IIIB-1: Evacuation Rate for Residents Living in Site-Built Homes – Miami-Dade County

Evacuation Rate (%)	Storm Threat Scenario					
	Site-Built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone		40	50	65	80	90
Cat 2 Surge Evacuation Zone		30	45	60	80	90
Cat 3 Surge Evacuation Zone		20	25	60	80	85
Cat 4 Surge Evacuation Zone		10	15	30	70	85
Cat 5 Surge Evacuation Zone		8	8	15	55	80
Inland of Surge Evacuation Zones		5	5	5	10	20

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. Shaded cells indicate shadow evacuation – evacuation from areas not included in evacuation notices.

Table IIIB-2: Out-of-County Trip Rates for Residents Living in Site-Built Homes – Miami-Dade County

Out-of-County Trip Rate (%)	Storm Threat Scenario					
	Site-Built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone		50	50	50	50	50
Cat 2 Surge Evacuation Zone		50	50	50	55	55
Cat 3 Surge Evacuation Zone		50	50	50	55	55
Cat 4 Surge Evacuation Zone		40	40	40	45	45
Cat 5 Surge Evacuation Zone		40	40	40	45	45
Inland of Surge Evacuation Zones		40	40	40	45	45

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 IIIB-3: Vehicle Use Rates for Residents Living in Site-Built Homes – Miami-Dade County

Vehicle Use Rate (%)	Storm Threat Scenario					
	Site-Built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone		80	80	80	80	80
Cat 2 Surge Evacuation Zone		70	70	70	70	70
Cat 3 Surge Evacuation Zone		70	70	70	70	70
Cat 4 Surge Evacuation Zone		65	65	65	65	65
Cat 5 Surge Evacuation Zone		65	65	65	65	65
Inland of Surge Evacuation Zones		75	75	75	75	75

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.

Table IIIB-4: Public Shelter Use Rates for Residents Living in Site-Built Homes – Miami-Dade County

Public Shelter Use Rate (%)	Storm Threat Scenario				
Site-Built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	5	5	5	5	8
Cat 2 Surge Evacuation Zone	5	5	5	5	8
Cat 3 Surge Evacuation Zone	5	5	5	5	8
Cat 4 Surge Evacuation Zone	10	10	12	12	12
Cat 5 Surge Evacuation Zone	10	10	12	12	12
Inland of Surge Evacuation Zones	10	10	12	12	15

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 IIIB-5: Friend / Relative Refuge Use Rates for Residents of Site-Built Homes – Miami-Dade County

Friend / Relative Use Rate (%)	Storm Threat Scenario				
Site-Built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	65	65	65	65	65
Cat 2 Surge Evacuation Zone	65	65	65	65	65
Cat 3 Surge Evacuation Zone	65	65	65	65	65
Cat 4 Surge Evacuation Zone	65	65	65	65	65
Cat 5 Surge Evacuation Zone	65	65	65	65	65
Inland of Surge Evacuation Zones	65	65	65	65	65

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 IIIB-6: Hotel / Motel Refuge Use Rates for Residents of Site-Built Homes – Miami-Dade County

Hotel / Motel Use Rate (%)	Storm Threat Scenario				
Site-Built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	20	20	20	20	20
Cat 2 Surge Evacuation Zone	20	20	20	20	20
Cat 3 Surge Evacuation Zone	20	20	20	20	20
Cat 4 Surge Evacuation Zone	20	20	20	20	20
Cat 5 Surge Evacuation Zone	20	20	20	20	20
Inland of Surge Evacuation Zones	20	20	20	20	20

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 IIIB-7: Other Refuge Use Rates for Residents of Site-Built Homes – Miami-Dade County

Other Refuge Use (%)	Storm Threat Scenario				
Site-Built Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	10	10	10	10	10
Cat 2 Surge Evacuation Zone	10	10	10	10	10
Cat 3 Surge Evacuation Zone	10	10	10	10	10
Cat 4 Surge Evacuation Zone	5	5	5	5	5
Cat 5 Surge Evacuation Zone	5	5	5	5	5
Inland of Surge Evacuation Zones	5	5	5	5	5

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 IIIB-8: Evacuation Rate for Residents Living in Mobile and Manufactured Homes – Miami-Dade County

Evacuation Rate (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	80	80	85	95	100
Cat 2 Surge Evacuation Zone	65	70	80	90	95
Cat 3 Surge Evacuation Zone	60	65	80	90	95
Cat 4 Surge Evacuation Zone	60	65	75	80	85
Cat 5 Surge Evacuation Zone	60	65	75	80	85
Inland of Surge Evacuation Zones	50	60	65	75	80

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 IIIB-9: Out-of-County Trip Rates for Residents Living in Mobile and Manufactured Homes – Miami-Dade County

Out-of-County Trip Rate (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	35	35	40	40	45
Cat 2 Surge Evacuation Zone	35	35	40	40	45
Cat 3 Surge Evacuation Zone	35	35	40	40	45
Cat 4 Surge Evacuation Zone	35	35	40	40	45
Cat 5 Surge Evacuation Zone	35	35	40	40	45
Inland of Surge Evacuation Zones	40	45	50	50	55

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 IIIB-10: Vehicle Use Rates for Residents Living in Mobile and Manufactured Homes – Miami-Dade County

Vehicle Use Rate (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	85	85	85	85	85
Cat 2 Surge Evacuation Zone	75	75	75	75	75
Cat 3 Surge Evacuation Zone	75	75	75	75	75
Cat 4 Surge Evacuation Zone	70	70	70	70	70
Cat 5 Surge Evacuation Zone	70	70	70	70	70
Inland of Surge Evacuation Zones	80	80	80	80	80

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.

Table IIIB-11: Public Shelter Use Rates for Residents Living in Mobile and Manufactured Homes – Miami-Dade County

Public Shelter Use Rate (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	10	10	10	10	10
Cat 2 Surge Evacuation Zone	10	10	10	10	10
Cat 3 Surge Evacuation Zone	10	10	10	10	10
Cat 4 Surge Evacuation Zone	15	15	15	15	15
Cat 5 Surge Evacuation Zone	15	15	15	15	15
Inland of Surge Evacuation Zones	15	15	15	15	15

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 IIIB-12: Friend / Relative Refuge Use Rates for Residents of Mobile and Manufactured Homes – Miami-Dade County

Friend / Relative Use Rate (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	65	65	65	65	65
Cat 2 Surge Evacuation Zone	65	65	65	65	65
Cat 3 Surge Evacuation Zone	65	65	65	65	65
Cat 4 Surge Evacuation Zone	65	65	65	65	65
Cat 5 Surge Evacuation Zone	65	65	65	65	65
Inland of Surge Evacuation Zones	65	65	65	65	65

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 IIIB-13: Hotel / Motel Refuge Use Rates for Residents of Mobile and Manufactured Homes – Miami-Dade County

Hotel / Motel Use Rate (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	10	10	10	10	10
Cat 2 Surge Evacuation Zone	10	10	10	10	10
Cat 3 Surge Evacuation Zone	10	10	10	10	10
Cat 4 Surge Evacuation Zone	10	10	10	10	10
Cat 5 Surge Evacuation Zone	10	10	10	10	10
Inland of Surge Evacuation Zones	10	10	10	10	10

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 IIIB-14: Other Refuge Use Rates for Residents of Mobile and Manufactured Homes – Miami-Dade County

Other Refuge Use (%)	Storm Threat Scenario				
Mobile and Manufactured Homes	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
Cat 1 Surge Evacuation Zone	15	15	15	15	15
Cat 2 Surge Evacuation Zone	15	15	15	15	15
Cat 3 Surge Evacuation Zone	15	15	15	15	15
Cat 4 Surge Evacuation Zone	15	15	15	15	15
Cat 5 Surge Evacuation Zone	15	15	15	15	15
Inland of Surge Evacuation Zones	15	15	15	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.

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