

## Scenario Summary

Phase 2 Scenarios		Category 5/ Level E
<b>Participation</b>		<b>90%</b>
S1	2010 Census site-built units. <b>44,630 - Evacuating Units 25,247</b>	23 hours
S2	2010 Census site-built units with full allocation for 10 years. <b>(44,630 + 3,540) - Evacuating Units 27,256</b>	24 hours
M5 <sup>1</sup>	2010 Census site-built units with the military adjustment according to information submitted by Naval Air Station Key West and a full allocation for 10 years with a 10-year conversion of mobile homes to site-built and coning for MM 108-126. <b>(43,760 + 3,540 + 1,248) - Evacuating Units 27,297</b>	24 hours
KW3 <sup>2</sup>	2010 Census site-built units with the military adjustment and a full allocation for 10 years, 10-year mobile home conversion to site-built and coning for MM 108-126. Equivalency Rate applied to Key West's entire allocation amount ( $910 / .78 = 1,166$ ). <b>(43,900 + 3,806 + 1,248) - Evacuating Units 27,762</b>	24 hours
KW4 <sup>2</sup>	2010 Census site-built units with the military adjustment and a full allocation for 10 years, 10-year mobile home conversion to site-built and coning for MM 108-126. Equivalency Rate applied to Key West's 30% of its allocation amount ( $(910 * .30) / .78 = 350 + 637 = 987$ ). <b>(43,900 + 3,627 + 1,248) - Evacuating Units 27,645</b>	24 hours
BA-3	2010 Census site-built units with the revised military adjustment and a full allocation for 10 years, 10-year mobile home conversion to site-built and coning for MM 108-126. Additional units are included to simulate the past 3 ROGO years of full allocation since the 2010 US Census. This contains a potential allocation of 91 units for Key West in the event the Comprehensive Plan and allocation are amended and approved by the Department and the Administration Commission. <b>(43,718 + 3,550 + 1,248 + 883) - Evacuating Units 27,960</b>	24 hours
BA-3a	2010 Census site-built units with the revised military adjustment and a full allocation for 10 years, 10-year mobile home conversion to site-built and coning for MM 108-126. Additional units are included to simulate the past 3 ROGO years of full allocation since the 2010 US Census. This contains a potential allocation of 45 units for Key West in the event the Comprehensive Plan and allocation are amended and approved by the Department and the Administration Commission. <b>(43,718 + 3,550 + 1,248 + 837) - Evacuating Units 27,930</b>	24 hours

<sup>1</sup>As discussed during the April 30, 2012 Work Group meeting, NAS Key West evacuating vehicles were modeled in Phase I of the evacuation but 870 housing units sited on the NAS Key West were not deducted from the Phase II evacuation. Scenarios M4, M5, M7, M9, and M10 account for this oversight. Subsequent updates have been received from NAS Key West with the final revisions submitted to the Department on July 13, 2012.

<sup>2</sup>These scenarios analyze the potential impacts from the use of the affordable housing equivalency rate as described in Sections 108-994 and 122-1470 of the City of Key West's Land Development Regulations. Based on the 2010 US Census and 2006-2010 American Community Survey, the equivalency rate would be updated to 0.78. Additionally, new development in Key West is required to allocate 30% of its units to affordable housing which has also been incorporated in the analyses.

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Participation		90%
M1	2010 Census site-built units and mobile homes <b>(44,630 + 8,134) - Evacuating Units 29,928</b>	25 hours & 30 minutes
1	All Units – Simultaneous Evacuation 2010 Census site-built units, tourist units, mobile homes, and military <b>(44,630 + 13,665 units + 8,134 units + 2,025 vehicles) - Evacuating Units 41,294</b>	35 hours & 30 minutes
S3	2010 Census site-built units with <b>50%</b> decrease in current allocation for 10 years <b>(44,630 + 1,780) - Evacuating Units 26,256</b>	23 hours & 30 minutes
S4	2010 Census site-built units with <b>25%</b> decrease in current allocation for 10 years <b>(44,630 + 2,660) - Evacuating Units 26,758</b>	23 hours & 30 minutes
M2	2010 Census site-built units with full allocation for 10 years and mobile homes <b>(44,630 + 3,540 + 8,134) - Evacuating Units 31,939</b>	27 hours
M4 <sup>1</sup>	2010 Census site-built units with the military adjustment according to information submitted by Naval Air Station Key West and a full allocation for 10 years with a 10-year conversion of mobile homes to site-built <b>(43,760 + 3,540 + 1,248) - Evacuating Units 27,297</b>	24 hours
M7 <sup>1</sup>	2010 Census site-built units with the military adjustment according to information submitted by Naval Air Station Key West and a <b>50%</b> decrease in current allocation for 10-year conversion of mobile homes to site-built <b>(43,760 + 1,780 + 1,248) - Evacuating Units 26,299</b>	23 hours & 30 minutes
M9 <sup>1</sup>	2010 Census site-built units with the military adjustment according to information submitted by Naval Air Station Key West and a <b>25%</b> decrease in current allocation for 10-year conversion of mobile homes to site-built <b>(43,760 + 2,660 + 1,248) - Evacuating Units 26,800</b>	23 hours & 30 minutes
M10 <sup>1</sup>	2010 Census site-built units with the military adjustment according to information submitted by Naval Air Station Key West and a <b>15%</b> decrease in current allocation for 10-year conversion of mobile homes to site-built <b>(43,760 + 3,009 + 1,248) Evacuating Units 26,998</b>	24 hours
M11	2010 Census site-built units with the military adjustment and a revised full allocation for 10 years, giving Key West 30 allocations and 10-year conversion of mobile homes to site-built <b>(43,760 + 3,190 + 1,248) – Evacuating Units 26,327</b>	23 hours

## Scenario Summary

Phase 1 Scenarios		
		Participation
		100%
T1	Existing tourist units, additional 100 tourist units in Marathon, mobile homes, and military; tourist units modeled using tourist occupancy rates for July <b>(13,665 + 100 + 8,134) - Evacuating Units 16,021 + 2,025 vehicles</b>	16 hours & 30 minutes
T2	Existing tourist units, additional 100 tourist units in Marathon, mobile homes, and military; tourist units modeled using tourist occupancy rates for October <b>(13,665 + 100 + 8,134) - Evacuating Units 13,259 + 2,025 vehicles</b>	15 hours & 30 minutes
T3	Existing tourist units, additional 100 tourist units in Marathon, mobile homes, and military; tourist units modeled using tourist occupancy rates for November <b>(13,665 + 100 + 8,134) - Evacuating Units 14,734 + 2,025 vehicles</b>	16 hours
T4	Existing tourist units, additional 100 tourist units in Marathon, mobile homes, and military; tourist units modeled using tourist occupancy rates for the hurricane season average (June through November) <b>(13,665 + 100 + 8,134) - Evacuating Units 14,241 + 2,025 vehicles</b>	15 hours & 30 minutes
T5	Existing tourist units, additional 100 tourist units in Marathon, an additional 215 units in Key West, mobile homes, and military; tourist units modeled using tourist occupancy rates for July <b>(13,665 + 100 + 215 + 8,134) - Evacuating Units 16,215 + 2,025 vehicles</b>	16 hours & 30 minutes
T6 <sup>3</sup>	Existing tourist units, additional 100 tourist units in Marathon, mobile homes, military modeled using hotel occupancy rates for Saturday, September 3, 2011 - Labor Day Weekend <b>(13,665 + 100 + 8,134) - Evacuating Units 17,767 + 2,338 vehicles</b>	17 hours & 30 minutes

<sup>3</sup>On July 13, 2012, Naval Air Station Key West confirmed information submitted on June 7, 2012 to the Department of Economic Opportunity regarding updated number of units and vehicles which would participate in Phase I of a hurricane evacuation scenario. The vehicle number was revised from 2,025 to 2,338.