



Volusia County Hurricane Matthew Cost Recovery Update #1

Jan. 10, 2017

When a federal disaster is declared, the Federal Emergency Management Agency (FEMA) can reimburse affected entities a percent of their costs. President Obama signed an Emergency Declaration for Florida on Oct. 3, 2016, which allows FEMA to reimburse a percent of emergency costs including Emergency Protective Measures (Category B) and Debris Removal (Category A). Volusia County has since been approved for the remaining Categories C-G for permanent repairs.

Debris removal (Category A) includes the removal of debris, as well as the monitoring company required by FEMA. As of Dec. 15, 2016, the County had more than 1,000,000 cubic yards of debris removed, burned and monitored for an estimated cost of \$16,819,930.

Emergency Protective Measures (Category B) includes pre-storm preparations to secure locations, hand out sandbags, stage essential personnel and equipment, evacuate patients from hospitals and other facilities and prepare evacuation shelters, as well as other pre-storm activities. It also includes activities during the storm including manning the Emergency Operations Center with extra personnel to answer phones, personnel to work in shelters, extra sheriff patrols, fire services and EVAC, as well as other services. Immediately after the storm, emergency protective services include clearing roads and walkways of downed powerlines and trees. As of Dec. 15, 2016, the County had estimated costs of \$1,340,518 in Emergency Protective Measures.

Roads and Bridges (Category C) includes work to repair surfaces, bases, shoulders, ditches and drainage structures. As of Dec. 15, 2016, the County had estimated costs \$3,379,910 in this category. This includes \$2,000,000 for Taxiway November at the airport, which was submerged under water. Specialists must be brought in to determine the damage that may have been caused.

Water Control Facilities (Category D) includes drainage canals, pumping facilities, and levees. The County had an estimated \$430,000 in costs to remove and repair erosion devices in multiple drainage canals and retention ponds.

Buildings and Equipment (Category E) includes damage to buildings and equipment, as well as the equipment usage, cleaning and treatment of mold, and replacement of inventory destroyed or consumed for the disaster. As of Dec. 15, 2016, the County has an estimated cost of \$2,828,688 in Category E damages. This includes the North Lifeguard Station, which was destroyed. The estimate for this building is \$1,140,000. FEMA may reimburse for a replacement rather than a repair due to the damage being more than 50% of its value.

Utilities (Category F) includes damages to water treatment plants, power facilities, and communications. As of Dec. 15, 2016 the County has an estimated cost of \$181,172 in damages to lift stations.

Parks, Recreational Facilities, and Other (Category G) includes parks, beaches and other items that do not fit into the other categories. As of Dec. 15, 2016, the County has an estimated cost of \$4,768,310.



This includes estimated costs of \$3,924,650 in damage to dune walkovers. More than 100 walkovers were damaged with many being completely destroyed.

The County will submit Project Worksheets for actual and/or estimated costs to the state. The state coordinates with FEMA. FEMA and/or the state can approve, deny or modify requests. Once approved, FEMA reimburses up to 75 percent of the approved amount. The state will reimburse half of the remaining amount. The County is responsible for the remainder. FEMA has a program that allows for a slightly higher reimbursement for Category A costs depending on when the work was completed. Credit for volunteer labor can serve to offset a portion of the County's responsibility. As of Dec. 15, 2016, the County has total estimated costs of \$29,746,528. If all are approved, FEMA would reimburse approximately \$22,309,896 and the state would reimburse \$3,718,316 for a total of \$26,028,212. The County would be responsible for the remaining \$3,718,316.

Category	Item Description	Item Estimate	12/15/2016 Category Estimate
A	Debris Removal		\$ 16,819,930
B	Emergency Protective Measures		1,340,518
C	Taxiway November Repairs	\$ 2,000,000	
C	Other Roads and Bridges	1,379,910	
C	Roads and Bridges		3,379,910
D	Water Control Facilities		430,000
E	North Lifeguard Station	1,140,000	
E	Other Buildings and Equipment	1,688,688	
E	Buildings and Equipment		2,828,688
F	Utilities		181,172
G	Dune Walkovers	3,924,650	
G	Other Parks, Recreational Facilities and Other	843,660	
G	Parks, Recreational Facilities and Other		4,768,310
Total as of 12/15/2016			\$ 29,748,528