



STATE OF FLORIDA

# DEPARTMENT OF COMMUNITY AFFAIRS

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CHARLIE CRIST  
Governor

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Secretary

## MEMORANDUM

**TO:** Eligible Counties and Subrecipients under the  
2008 Florida Disaster Recovery Program

**FROM:** Mr. Glenn Hodges,  
Operations & Management Consultant II

**SUBJECT:** Examples of Eligible Mitigation Projects

**DATE:** December 30, 2009

The purpose of this memorandum is to respond to the many requests for examples of Disaster Recovery mitigation projects. While this list is not exhaustive, it provides some examples of potential projects that would qualify for funding under the 2008 Tropical Storm Fay, Hurricanes Ike and Gustav funding cycle. They must provide a long-term solution to existing problems. Proposed projects that are strictly for purposes of mitigation must qualify under the Low-to-Moderate Income National Objective. It is also important to remember that mitigation is allowable as an element of projects funded under the Urgent Need and Slum & Blight National Objectives when the primary purpose of those projects are to addressing repair of storm-related damage.

Examples of potential mitigation projects appear below. The examples were extracted from a compilation of previously funded mitigation projects. The projects are presented in a problem/proposed solution format. Allowable projects are not limited to those presented. If your community identifies mitigation needs that are not addressed in this memorandum, please contact the Financial Specialist assigned to your community for guidance.

### Activity 3I - Flood & Drainage

**Problem:** Your community has identified a residential area with a history of flooding during tropical storm and hurricane events, but it is not currently flooded.

**Proposed Solution:** Acquisition of land in the affected area to allow construction of a retention pond to relieve the flooding. Such projects typically include storm water drainage improvements along roadways in the affected areas.

### **Activity 03 - Public Facilities & Improvements**

**Problem:** Your community has identified a Juvenile Home or Public Shelter that has lost electrical power during previous storm related events rendering the facilities unsafe or unusable. The facility may be an older facility and could benefit from various improvements to “harden” the structure and mitigate potential damages from future storm events.

**Proposed Solution:** Installation of an emergency back-up power generator system, and mitigation of various structural systems including the roof, exterior walls, windows and entry/exit doors to ensure the uninterrupted safe and secure operation of the facility during future storm events. Mitigation might involve re-roofing, gable-end bracing, conversion to hip-style roof system, and installation of hurricane clips, impact resistant glass, or storm shutters, and steel doors.

**Problem:** Your community has identified a homeless shelter that also serves as a hurricane emergency shelter. The shelter does not have a back-up power supply system.

**Proposed Solution:** Purchase and install a back-up power generator to provide power and ensure operation of the facility during and after a storm event.

**Problem:** Your community has identified a local homeless shelter whose generator was struck by lightning during a storm event. While the generator operates, it is operating at reduced capacity.

**Proposed Solution:** Purchase and install a new back-up power system that operates at full capacity to ensure the shelter will be capable of operation in the long term.

### **Activity 03J - Sewage Treatment Plant, Sewer Lines & Components**

**Problem:** Your community has identified a neighborhood which relies on privately-owned wells and septic systems. The neighborhood has previously experienced flooding which resulted in the release of raw sewage into the environment and prevented the use of well water and the septic systems. Residents may have had to evacuate their homes.

**Proposed Solution:** Construction of new water and sewer lines to ensure that residents can shelter in their homes and have access to clean water and sanitary sewer during storm events. Residents would be required to hook-up to the public water and sewer system and abandon existing wells and septic tanks once a public sewer is available. Such a project may also include a companion project to increase capacity of existing water and/or sewer facilities to enable the required additional capacity.

## Eligible Counties and Subrecipients

**Problem:** Past storm-related power outages have caused sewage system back up in a community due to lift stations that do not have a back-up power generator. Such incidents have caused a public health hazard due to the release of raw sewage into the environment.

**Proposed Solution:** Purchase and install back up power generator systems for lift stations in the affected area.

### **Activity 03E - Recreation/Neighborhood Center**

**Problem:** Your community has identified a local community center used to distribute food and supplies after a storm event could not be put into operation due to loss of electrical power.

**Proposed Solution:** Installation of an emergency back-up power generator to ensure the operation of the facility.

### **Activity 14B – Rehab of Multi Family Unit**

**Problem:** An affordable rental senior housing complex in a medium sized city experiences flooding in its parking lot when tropical storm and hurricane events occur. The flooding presents a danger to senior citizens, and inhibits or prevents them from gaining access or exiting the parking lot.

**Proposed Solution:** Implement infrastructure repairs that inhibit flooding and would serve to make the parking lot safely accessible.

**Problem:** An affordable rental senior housing complex has elevators that cease to function during hurricanes or heavy storms when electrical power is lost. This creates a danger for the senior citizens as they cannot easily use the stairs and have no other alternative to evacuate the apartment complex in an emergency.

**Proposed Solution:** Purchase and install a back-up power generator system to ensure operation of elevators during future storm events.

**NOTE:** Applicants shall give priority to addressing storm-related housing repairs and long-term recovery activities, prior to proposing mitigation projects. Where there are no storm-related housing repairs or long term recovery activities to be addressed, mitigation activities targeting housing and infrastructure is allowable. Applicants proposing mitigation activities will be required to certify that storm related housing repairs and long term recovery needs have already been addressed or are not required.