International Recovery Forum 2016

Building Back Better

Tuesday, January 26th, 2016
FEMA’s Mission Statement

FEMA’s mission is to support our citizens and first responders to ensure that as a nation we work together to build sustain, and improve our capability to prepare for, protect against, respond to, recover from, and mitigate all hazards.
FEMA Strategic Plan

**Priority 1**
Be Survivor-Centric in Mission and Program Delivery

**Priority 2**
Become an Expeditionary Organization

**Priority 3**
Posture and Build Capability for Catastrophic Disasters

**Priority 4**
Enable Disaster Risk Reduction Nationally

**Priority 5**
Strengthen FEMA's Organizational Foundation
Recent FEMA Operation
Typhoon Soudelor: Saipan
Typhoon Soudelor: Saipan

- Declared: 8/05/2015 for the incident Period: 8/01/2015 to 8/03/2015

- Typhoon Soudelor directly hit the island of Saipan in the Commonwealth of the Northern Mariana Islands on 8/02/15
Typhoon Soudelor: FEMA Response

FEMA-4235-DR-MP Declaration Date: 8/5/16

DESIGNATIONS AND TYPES OF ASSISTANCE:

INDIVIDUAL ASSISTANCE (Assistance to individuals and households):
- The Island of Saipan
- The Islands of Rota, Saipan and Tinian for debris removal and emergency protective measures (Categories A and B) including direct federal assistance, under the Public Assistance program.

PUBLIC ASSISTANCE (Assistance for emergency work and the repair or replacement of disaster-damaged facilities):
- The Islands of Rota, Saipan and Tinian for debris removal and emergency protective measures (Categories A and B) including direct federal assistance, under the Public Assistance program.

Hazard Mitigation Grant Program (Assistance for actions taken to prevent or reduce long-term risk to life and property from natural hazards):
- All islands in the Commonwealth of the Northern Mariana Islands are eligible to apply for assistance under the Hazard Mitigation Grant Program.

OTHER: Additional designations may be made at a later date if requested by the Commonwealth and warranted by the results of further damage assessments.
Typhoon Soudelor: DR-4235

Strategic Priorities

- Coordinate Response and Recovery
- Support the Commonwealth and local agencies affected
- Deliver Federal disaster assistance to assist with power and water restoration with minimal disruption to survivors
Typhoon Soudelor: DR-4235
Common Operating Picture Snapshot (as of 10/08/2015)

1 Fixed Disaster Recovery Center located at the Multi-Purpose Center, Beach Road, Susupe

Registrations by Source
- Web Registrations: 4%
- Mobile Registrations: 20%
- Teleregistrations (Call Center): 72%
- Teleregistrations (DRC Phone Bank): 4%

DRC Visits

FEMA-4235-DR MP IA Applicants as of 9/28/2015

Map showing applicants distribution.
Typhoon Soudelor: DR-4235

The Commonwealth Utility Commission (CUC) utilized around 200 concrete poles to replace downed poles in and around critical infrastructure.
Moving Forward: Preparedness and Building Back Better
Predictive Analytics

Our Model and Data Inventory (MoDI) is now publicly available either through a link on the FEMA GeoPlatform [https://fema.maps.arcgis.com/](https://fema.maps.arcgis.com/) or through its own site: [http://equalsx.dev.femadata.com:8080/modi/](http://equalsx.dev.femadata.com:8080/modi/).
Decision Support Architecture

**Phase 2a**
- Immediate Response
- Short Term Recovery

**Phase 2b**
- Deployment
- Intermediate Recovery

**Phase 2c**
- Sustained Response
- Long Term Recovery

**Phase 3**
- Recovery

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**Hurricane Decision Support Architecture**

V1.2, August 20th, 2015

- Based on Hurricane Andrew (1992), and aligned to the Region IV/Florida Tropical Weather Plan
- Key Decisions are aligned to the Essential Elements of Information (EEI) required to make them
- EEIs are aligned to the models and data available to answer those questions at that phase of the incident
- Decisions drive the activation, mobilization, or demobilization of the resources identified in the "Resource View" row
Every Employee an Emergency Manager

- 4 Guiding Principles:

1. Ensure each current and future employee understands the meaning and expectations of being a Federal emergency manager;

2. FEMA assigns, trains, and qualifies every employee to perform regular and recurring emergency management duties;

3. FEMA is an expeditionary Agency taking the mission to the field; and

4. FEMA flexible: FEMA retains the statutory right, in accordance with applicable laws, “to take whatever actions may be necessary to carry out the agency mission during emergencies.
FQS Process Overview

- **FQS Candidate**
  - Required FQS Experience
  - Demonstrated Performance

- **FQS Position Trainee**
  - Required Training
  - Certification Process
  - Review and Approval

- **Qualified FQS Personnel**
  - Qualified

**Steps**
1. PTB issued
2. PTB completed
3. Qualification Card Issued

**Position Task Books (PTB):** Specific performance requirements for each position
Public Assistance (PA) 404/406

- Two types of FEMA hazard mitigation funding should be considered for post-disaster implementation:
  - Section 404, HMGP funding
  - Section 406, PA funding.

EXAMPLES OF 404 AND 406 MITIGATION

The following project examples illustrates how an Applicant or subapplicant can mitigate the damaged elements of a facility or infrastructure with Section 406 funds (PA) and mitigate the undamaged elements with Section 404 funds (HMGP).

- A damaged school can be repaired with PA funds and enhanced with an HMGP-funded Tornado Safe Room.
- A damaged culvert can be upsized with PA funds and further enhanced with the flood risk reduction measures funded under HMGP.
- A damaged building can be repaired with PA funds and enhanced with the addition of a generator funded under HMGP.
Public Assistance (PA) 404/406
Examples: FIMA Buyouts

HMA Buyouts in NGA Assessed Flooded Areas
(05 January 2016, 0900 EST), Missouri

Data Layer / Map Description:
This mapping product highlights the number of houses that have been bought that were at high risk for flood damage in the areas that are assessed as flooded by 01/04/2016.

- Homes Acquired
- Cities
- Flooding Assessment
- State

Total Homes Acquired in MO: 5,298
Total Homes Acquired in Current Flooded Areas in MO: 585

Data Sources:
FEMA, NOAA, ESRI
Public Assistance (PA) 404/406
Examples: Safe Rooms