

DEPARTMENT OF EMERGENCY MANAGEMENT
CITY AND COUNTY OF HONOLULU

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KIRK CALDWELL
MAYOR



MELVIN N. KAKU
DIRECTOR

PETER J.S. HIRAI
DEPUTY DIRECTOR

November 13, 2013

MEMORANDUM

TO: The Honorable Kirk Caldwell, Mayor

VIA: Ember Lee Shinn
Managing Director

FROM: Melvin N. Kaku *Melvin N. Kaku 11/13/13*
Director

SUBJECT: Request Approval of City and County of Honolulu's Hurricane Response Framework

On behalf of the City and County of Honolulu (City), sub-grantee of the Regional Catastrophic Preparedness Grant (RCPG) Hurricane project, the Department of Emergency Management (DEM) contracted a consultant firm to prepare county-specific Hurricane Response Frameworks for the Counties of Honolulu, Kauai, Maui, and Hawaii as part of the RCPG Fiscal Year (FY) 2010 Program. I am now pleased to submit the City's Hurricane Response Framework (see attached enclosure) for your approval to have honorable Mayor Caldwell's promulgation.

The City's Hurricane Response Framework provides planning and guidance to ensure the City's priorities are implemented to protect life, safety, and health; protect property; minimize harm to the environment; and enable economic and community resilience under reasonable conditions.

By promulgating the Hurricane Response Framework, the City is able to implement emergency management actions that will guide responses in any all-hazards scenario. Should you have any questions on this matter, please don't hesitate to call me at 723-8960. Thank you for your continuing support of the City's Public Safety Program.

Enclosure

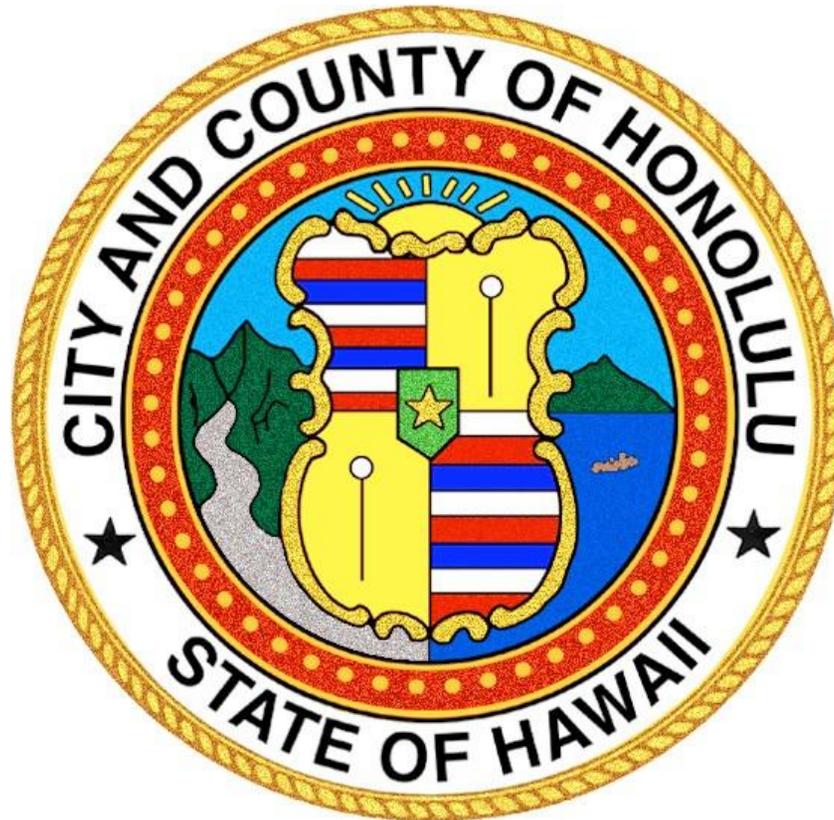
APPROVED:

A handwritten signature in blue ink, appearing to read "E. Shinn", is written over a horizontal line.

Ember Lee Shinn
Managing Director

City and County of Honolulu Hurricane Response Framework

September 2013



This document was prepared under the Regional Catastrophic Preparedness Grant (RCPG) from the Federal Emergency Management Agency's (FEMA) Grants Program Directorate, U.S. Department of Homeland Security, the Department of Defense, and the State of Hawai'i. Points of view or opinions expressed in this document are those of the authors and do not represent the official position or policies of FEMA's Grant Programs Directorate, the U.S. Department of Homeland Security, the Department of Defense, or the State of Hawai'i.

PROMULGATION STATEMENT

The City and County of Honolulu (City), through the Department of Emergency Management must ensure its preparedness, response, and recovery operations are performed efficiently with minimal disruption, especially during an emergency. This document provides planning and guidance for implementing the *Hurricane Response Framework* to ensure the City is able to effectively protect life, safety, and health; protect property; minimize harm to the environment; and enable economic and community resiliency under all threats and conditions.

In recognition of the City's responsibilities, and the authority vested in the Mayor of the City and County of Honolulu, I hereby promulgate the *Hurricane Response Framework*.

Approved: _____



Kirk Caldwell
Mayor, City and County of Honolulu

Date: _____



REVISION RECORD

It is the responsibility of the City Department of Emergency Management as the holders of the Hurricane Response Framework to ensure that all changes and updates are made. The Framework Holder must:

- Remove and destroy obsolete page
- Replace obsolete pages with the updated pages

REVISION RECORD				
Date	Change Number	Section	Updated by Individual	Description of Changes



City and County of Honolulu Tasks Hurricane Response Framework

I. Purpose:

To define emergency management actions that guide response for the City and County of Honolulu (City) in the event of a hurricane in order to ensure the following priorities:

1. Protect life, safety, and health
2. Protect property - especially critical infrastructure
3. Minimize harm to the environment
4. Enable economic and community recovery

II. General:

A category 4 hurricane was selected as the planning scenario for the Regional Catastrophic Preparedness Grant (RCPG) Program to highlight the challenges in preparing for, responding to, and recovering from a storm that devastates all counties in the State of Hawai'i. A tropical cyclone of this magnitude will affect all sectors and disciplines related to the City and County of Honolulu (City) emergency management and public safety. Food, water, shelter, security, health care, utilities, and other systems will be tasked beyond their capabilities. This framework and imbedded checklist will assist emergency operating center (EOC) personnel in collecting and analyzing information and implementing rapid and appropriate response actions, and specifically addresses the mission essential tasks contained in the Hawai'i Catastrophic Hurricane Operations Plan (OPLAN), and emergency preparation and response guidance detailed in the City Emergency Operations Plan (EOP).



City and County of Honolulu Tasks Hurricane Response Framework

III. Authorities:

The authorities used to implement this framework include:

1. The Revised Charter of Honolulu 2000 Edition, 2003 Supplement.
2. Article 6, Executive Branch – Agencies Directly under the Managing Director, Chapter 1, Section 6-103, Department of Emergency Management, Revised Charter of Honolulu.
3. Article 3, Legislative Branch, Chapter 2, Ordinances and Resolutions, Section 3-202, Paragraph 10, Revised Charter of Honolulu.
4. Article 13, General Provisions, Section 13-112, Declaration of Emergencies, Revised Charter of Honolulu.
5. Chapter 1, Article 8, Inter-governmental Relations, Section 1-8.2, Inter-governmental Relations-Effects of, Revised Ordinances of Honolulu.
6. Chapter 41, Article 11, Section 41-11.1 through 41-11.5, Control of and Evacuation from Disaster Areas During Potential Disasters, Revised Ordinances of Honolulu.
7. Chapter 127, Hawai'i Revised Statutes (HRS), Disaster Relief Act.
8. Chapter 128, HRS, Civil Defense and Emergency Act.
9. Homeland Security Act of 2002, Pub. L. 107-296, 116 Stat. 2135.
10. U.S. Code Title 44, Chapter 68, Robert T. Stafford Disaster Relief and Emergency Assistance Act.
11. Public Law 93-288, as amended by 107-136, January 24, 2002.
12. Directive 13-1, City and County Government Functions During Emergencies and Disasters, 2013.
13. State of Hawai'i Plan for Emergency Preparedness, Volume I, Operational Civil Defense.
14. State of Hawai'i Plan for Emergency Preparedness, Volume III, Disaster Response and Assistance.
15. Homeland Security Presidential Directive 5, Management of Domestic Incidents, February 28, 2003.
16. Presidential Policy Directive/PPD-8: National Preparedness, March 30, 2011.



City and County of Honolulu Tasks Hurricane Response Framework

IV. Assumptions:

The assumptions used to develop this framework include:

1. Voluntary evacuations will be strongly encouraged in flood prone areas, coastal evacuation zones, and from structures not designed to withstand high winds.
2. People with access and functional needs will need to make arrangements for their evacuation.
3. Evacuation sheltering capacity for 300,000 occupants and their pets will be required.
4. Up to 100,000 visitors will require evacuation sheltering and other assistance.
5. A majority of shelter occupants will require food and water.
6. Food, water, medicine, and fuel may become scarce until they can be transported from abroad, received at ports, and distributed.
7. Substantial aid (resource and financial support) will be required to meet human service needs.
8. Utilities (electricity, water, sewer, telephone, cable, gas) may be interrupted for a period of up to 4-6 weeks.
9. Refined fuel may be in short supply for 4-6 weeks while refineries make repairs.
10. Rapid resumption of cargo operations at the Honolulu Harbor may be necessary to affect response and recovery.
11. Debris will impede emergency services, supply, and restoration activities until it is cleared.
12. Injuries and transportation impediments require the use of temporary medical care facilities.



City and County of Honolulu Tasks Hurricane Response Framework

V. Planning Approach:

State and federal hurricane planning defines nine separate hurricane response objectives. This framework addresses each objective:

1. Perform lifesaving and sustaining measures
2. Conduct mass care and sheltering
3. Minimize risk to visitors
4. Maintain functionality of the water distribution system
5. Deliver fuel to maintain essential services
6. Conduct debris clearance
7. Protect on-island critical resources
8. Maintain continuity of port operations
9. Restore power infrastructure

In 2013, under the leadership of City Department of Emergency Management (DEM), work groups consisting of local, state, federal, and non-governmental organizations (NGOs) met to define concepts of operation for each objective. The resulting concepts of operation, related activities, and prioritized tasks are contained in this document.

This framework is intended as a living document and should be reviewed, exercised, and updated regularly.

This framework broadly addresses objectives and strategic issues related to hurricane response. In many cases, tactical planning is still required to ensure that interagency coordination is achieved and that each objective is met.



VI. Overall Concept of Operations:

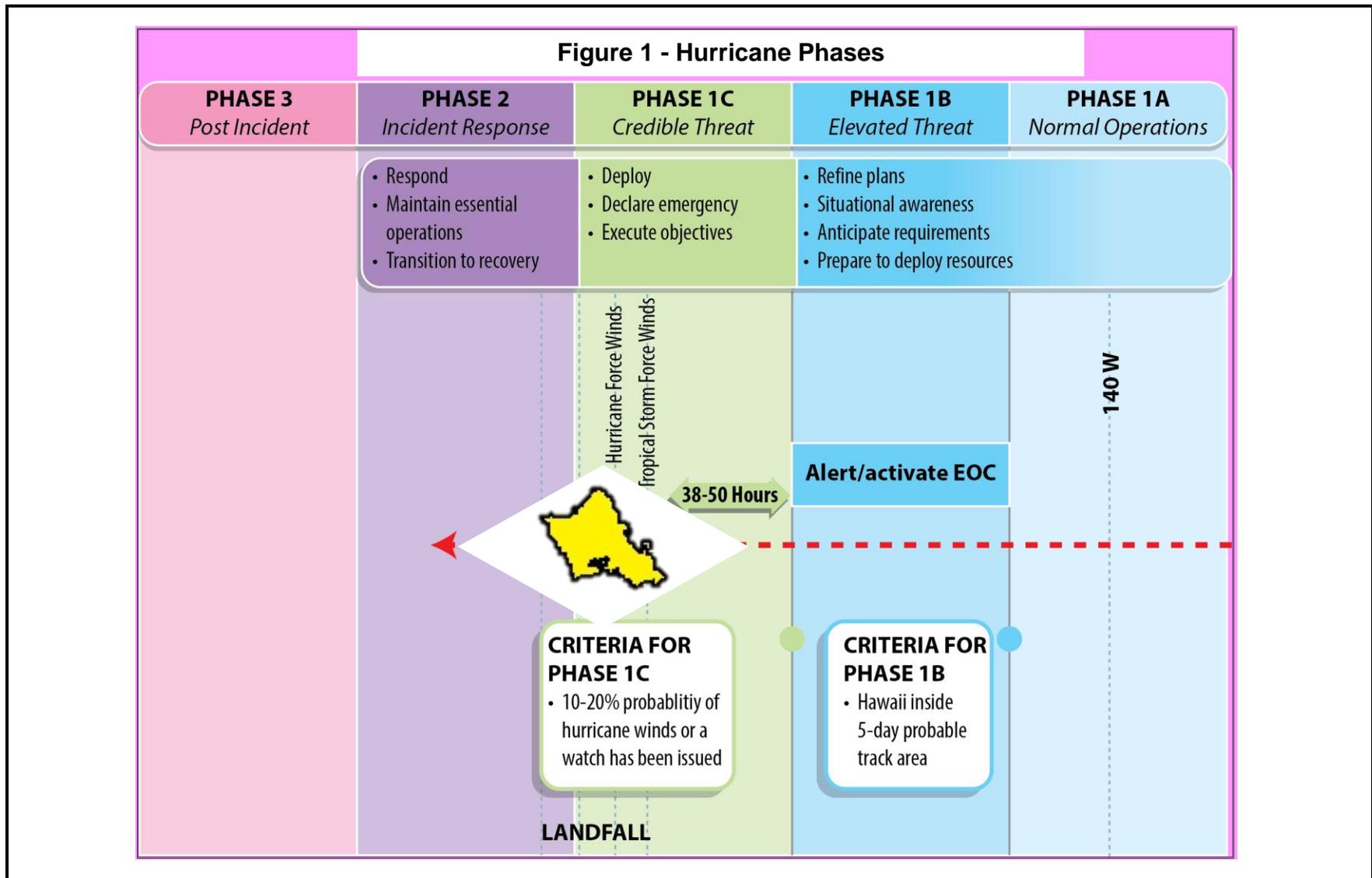
City hurricane objectives will be met by employing objective-specific concepts of operation and by implementing associated activities and tasks. These actions are categorized by different National Weather Service (NWS) assessments of hurricane condition and impact, which constitute phases of hurricane response shared by all response agencies in Hawai'i:

- **Phase 1A: *Normal Operations*.** Normal operations are the “steady state” in the absence of a specific storm or threat.
- **Phase 1B: *Elevated Threat*.** This sub-phase occurs when the Hawaiian Islands are within the 5-day probable track of a hurricane that might threaten Hawai'i.
- **Phase 1C: *Credible Threat*.** This sub-phase starts when the Hawaiian Islands have a 10-20% chance of hurricane force winds, or a Hurricane Watch has been issued. The period of time from beginning of this phase to the onset of tropical storm force winds is estimated to be between 38-50 hours, depending on size and movement of the storm.
- **Phase 2: *Incident Response*.** Once landfall occurs, priorities shift from building capabilities to employing resources to saving lives, protecting property and the environment, and preserving the social, economic, and political structure of Hawai'i.
- **Phase 3: *Post-Incident (Recovery and Mitigation)*.** Even as immediate response operations commence, need to begin recovery operations emerges. Initial recovery operations may be conducted concurrently with response, with ensuing gradual shift of focus to recovery, culminating at conclusion of response efforts with full focus on recovery operations.

Figure 1 illustrates the use of hurricane phases and describes the associated response activity.



City and County of Honolulu
 Tasks
 Hurricane Response Framework





City and County of Honolulu Tasks Hurricane Response Framework

VII. Assignment of Emergency Support Functions (ESF):

Executive direction for City priorities and tasks will come from the Mayor through the City Emergency Operating Center (EOC). Tasks will be defined and accomplished by one or more of the ESFs listed below.

- ESF #1 – Transportation (Department of Transportation Services – DTS)
- ESF #2 – Communications (DEM)
- ESF #3 – Public Works and Engineering (Department of Design and Construction – DDC)
- ESF #4 – Firefighting (Honolulu Fire Department – HFD)
- ESF #5 – Information and Planning (DEM)
- ESF #6 – Mass Care, Emergency Assistance, Temporary Housing, and Human Services (American Red Cross – ARC)
- ESF #7 – Logistics (Budget and Fiscal Services – BFS)
- ESF #8 – Public Health and Medical Services (Honolulu Emergency Services Department – HESD)
- ESF #9 – Search and Rescue (HFD)
- ESF #10 – Oil and Hazardous Materials Response (HFD)
- ESF #11 – Agriculture and Natural Resources (DEM)
- ESF #12 – Energy (Honolulu Board of Water Supply – BWS)
- ESF #13 – Public Safety and Security (Honolulu Police Department – HPD)
- ESF #14 – Long-Term Community Recovery (BFS)
- ESF #15 – External Affairs (DEM)



**City and County of Honolulu
Tasks
Hurricane Response Framework**

VIII. Tasks:

The following tasks are derived from concepts of operations for each of the nine hurricane objectives. These tasks are listed below by phase and timeframe. These tasks represent a “to-do” list as a hurricane approaches and with potential to affect the City. A broader description of hurricane objectives, concepts of operation, and associated activities are listed in Section IX.

Item #	Task	Responsibility	Phase	Timeframe	Notes
1.	Log event activities	DEM	1-2	Continuous	Using position logs
2.	Monitor storm location, conditions and potential impacts	DEM, NWS	1-2	Continuous	Using DEM Form 100
3.	Update stakeholders on storm condition and potential impacts	DEM	1-2	Continuous	<input type="checkbox"/> Mayor <input type="checkbox"/> City leadership <input type="checkbox"/> Response agencies <input type="checkbox"/> Public
4.	Assume primary responsibility for planning and coordinating response and recovery operations	DEM	1-2	Continuous	By activating the City EOC, facilitating regular hurricane conference calls for all response agencies, and regularly sharing situation reports, EOC Action Plans, and Incident Action Plans (IAPs)
5.	Coordinate public information announcements, in multiple languages and for hearing impaired and visual impaired people	DEM	1-2	Continuous	Using the City Joint Information System (JIS)
6.	Begin Event Log	DEM	1B	5 days before landfall	
7.	Update Mayor / key staff / stakeholders on storm conditions & significance	DEM	1B	5 days before landfall	



**City and County of Honolulu
Tasks
Hurricane Response Framework**

Item #	Task	Responsibility	Phase	Timeframe	Notes
8.	Monitor storm and conditions with the help of the NWS	DEM	1B	5 days before landfall	
9.	Limited activation of the City's Joint Information System	DEM	1B	5 days before landfall	
10.	Prepare and issue appropriate public information	DEM	1B	5 days before landfall	
11.	Ensure multi-lingual, hearing impaired and visual impaired messaging is developed in advance of need	DEM	1B	5 days before landfall	
12.	Convene daily conference call with response agencies	DEM	1B	5 days before landfall	
13.	Advise City Departments and key stakeholders to review and implement plans	DEM	1B	5 days before landfall	<input type="checkbox"/> See Agency Notification Checklist
14.	Encourage response agencies to test systems, top-off fuel, and ensure 7-day supply of food for responders	DEM	1B	5 days before landfall	



**City and County of Honolulu
Tasks
Hurricane Response Framework**

Item #	Task	Responsibility	Phase	Timeframe	Notes
15.	Advise ARC and other shelter partner agencies to alert selected shelter facility operators and staff to the potential for mass care operations	DEM, ARC	1B	5 days before landfall	
16.	Maintain current forecast and plot storm position, speed, and directions	DEM	1B	5 days before landfall	
17.	Correlate and implement guidance received from NWS	DEM, NWS	1B	5 days before landfall	
18.	Assume responsibility for warning activities, and establish liaison with the news media	DEM	1B	5 days before landfall	
19.	Prepare to disseminate incident-specific Emergency Public Information and instructions	DEM	1B	5 days before landfall	Using EOP, Annex C
20.	Test communication and information management systems with all coordinating agencies	DEM	1B	5 days before landfall	<input type="checkbox"/> HAWAS <input type="checkbox"/> Emergency Alert System (EAS) <input type="checkbox"/> Tsunami Warning Sirens <input type="checkbox"/> Radio Frequency (RF) (HF, VHF, UHF) <input type="checkbox"/> Satellite phone <input type="checkbox"/> Internet (data) <input type="checkbox"/> Amateur radio (Radio Amateur Civil Emergency Service [RACES], Amateur Radio Emergency Service [ARES]) <input type="checkbox"/> NIXLE



**City and County of Honolulu
Tasks
Hurricane Response Framework**

Item #	Task	Responsibility	Phase	Timeframe	Notes
21.	Prepare to activate evacuation helpline	DTS	1B	5 days before landfall	
22.	Review evacuation routes and staff assignments	HPD, DFM	1B	5 days before landfall	
23.	Consult with Oahu Visitors Bureau (OVB) on visitor evacuation and sheltering plans	DEM	1B	5 days before landfall	
24.	Initiate volunteer/donation coordination planning	DEM, ARC, SCD	1B	5 days before landfall	
25.	Consider potential need for state, federal, and NGO assistance	DEM	1B	4 days before landfall	<input type="checkbox"/> Disaster Medical Assistance Team (DMAT) <input type="checkbox"/> Disaster Mortuary Assistance Team (DMORT) <input type="checkbox"/> Incident Management Assistance Team (IMAT) <input type="checkbox"/> Urban Search and Rescue (US&R) <input type="checkbox"/> Prime Power
26.	Identify City's requirements to activate ESFs	DEM	1B	4 days before landfall	
27.	Coordinate with NWS and media to broadcast hurricane preparedness messages	DEM	1B	4 days before landfall	



**City and County of Honolulu
Tasks
Hurricane Response Framework**

Item #	Task	Responsibility	Phase	Timeframe	Notes
28.	Prepare staffing plans and place City EOC and Department Operations Center (DOC) staff on alert	All City departments	1B	4 days before landfall	
29.	Draft declaration for local emergency and request state and federal declarations in order to pre-position critical resources	DEM, COR, MAY	1C	3 days before landfall	
30.	Activate the City EOC	DEM	1C	3 days before landfall	
31.	Activate City DOCs	All City Departments	1C	3 days before landfall	
32.	Request pre-positioning of state and federal resources	DEM	1C	3 days before landfall	<input type="checkbox"/> DMAT <input type="checkbox"/> DMORT <input type="checkbox"/> IMAT <input type="checkbox"/> US&R <input type="checkbox"/> Prime Power
33.	Initiate commodities distribution planning	DEM	1C	3 days before landfall	Commodity distribution will require additional resources and teams to support (SCD, National Guard, ARC, etc.)
34.	Plan credentialing procedures to enable essential personnel to access disaster sites	All stakeholders	1C	3 days before landfall	



**City and County of Honolulu
Tasks
Hurricane Response Framework**

Item #	Task	Responsibility	Phase	Timeframe	Notes
35.	Advise media outlets to check emergency generators and communications capabilities	DEM	1C	3 days before landfall	
36.	Develop an EOC Action Plan and anticipate resource requests	DEM	1C	3 days before landfall	
37.	Convene shelter team to initiate evacuation and congregate care incident planning	DEM, ARC, HDOH, DPR, DOE, HHS	1C	3 days before landfall	
38.	Initiate evacuation shelter operations	ARC	1C	2 days before landfall	
39.	Activate debris clearance contractor	ENV	IC	2 days before landfall	Conducted through ESF #3
40.	Initiate evacuation warning and shelter-in-place notifications	DEM	1C	1 day before landfall	
41.	Implement evacuation operations (surface routing, support for people with access and functional needs (A&FN) support, and related law enforcement)	DEM, HPD, DTS	1C	1 day before landfall	
42.	Implement damage assessment planning	DEM	1C	1 day before landfall	



**City and County of Honolulu
Tasks
Hurricane Response Framework**

Item #	Task	Responsibility	Phase	Timeframe	Notes
43.	Ready the alternate City EOC	DEM	1C	1 day before landfall	
44.	Initiate congregate care sheltering operations planning with support for pets	DEM, ARC, Hawaiian Humane Society	1C	1 day before landfall	
45.	Develop post-landfall EOC Action Plan	DEM	1C	1 day before landfall	
46.	Excuse all non-disaster response personnel, so they may prepare and shelter	DEM, COR, MAY, DHR	1C	12 hours before landfall	
47.	Issue "All Clear" message to agencies and the public in order to initiate post-landfall response and recovery	DEM, MAY	2	Immediately after landfall	
48.	Activate all necessary ESFs	DEM	2	Soon after landfall	
49.	Implement debris management plan, including immediate clearance	ENV	2	Soon after landfall	
50.	Implement damage assessment plan, including rapid needs assessment	DEM, DPP, DDC, ARC	2	Soon after landfall	Include consideration for internal assessments for BFS, BWS, CSD, DES, DFM, DIT, DPR, DTS, ENV, HART, HESD, HFD, HPD, MED, RHB facilities
51.	Re-establish communications with all stakeholders external to City EOC	DEM	2	Soon after landfall	Consider statewide satellite telephone list



**City and County of Honolulu
Tasks
Hurricane Response Framework**

Item #	Task	Responsibility	Phase	Timeframe	Notes
52.	Establish initial (emergency) airport and seaport operations	DEM, DFM, ENV, HDOT	2	Soon after landfall	Coordinate debris clearance for access to airports and seaports
53.	Provide safety, shelter, and survivor registration information to the public	DEM, CSD, ARC	2	Soon after landfall	
54.	Activate structure assessment teams	DDC, DPP	2	Soon after landfall	Conducted through ESF #3
55.	Distribute Personal Protective Equipment as required	DEM	2	Soon after landfall	
56.	Coordinate transportation resources to support logistics operations	DEM, DTS, DFM, HDOT	2	Soon after landfall	Both vehicular support and debris clearance of roads
57.	Request external assistance through/from SCD	DEM	2	Soon after landfall	
58.	Coordinate support for emergency workers	All stakeholders	2	Soon after landfall	
59.	Reassess response priorities after immediate response period (72-hours post-landfall)	DEM	2	After landfall	<input type="checkbox"/> Emergency services <input type="checkbox"/> Damage assessment <input type="checkbox"/> Communications/public information <input type="checkbox"/> Debris management <input type="checkbox"/> Mass care and shelter
60.	Initiate planning for follow-on response priorities	All stakeholders	2	After landfall	<input type="checkbox"/> Airport and seaport operations <input type="checkbox"/> Electricity restoration <input type="checkbox"/> Water restoration <input type="checkbox"/> Wastewater operations



City and County of Honolulu Tasks Hurricane Response Framework

Item #	Task	Responsibility	Phase	Timeframe	Notes
61.	Project commodity distribution requirements based on rapid needs assessment	DEM	2	After landfall	
62.	Make request for commodity distribution requirements	DEM, DFM, ARC	2	After landfall	
63.	Initiate assessment of critical infrastructure	BWS, ENV, DDC, DPP, DFM	2	After landfall	<input type="checkbox"/> Medical facilities <input type="checkbox"/> Utility systems (electric, gas, water, sewer) <input type="checkbox"/> Communications <input type="checkbox"/> Fuel systems <input type="checkbox"/> Fire and police stations <input type="checkbox"/> Other public safety facilities <input type="checkbox"/> Government buildings <input type="checkbox"/> Key private sector infrastructure <input type="checkbox"/> Educational facilities <input type="checkbox"/> Shelter facilities <input type="checkbox"/> Airports and seaports <input type="checkbox"/> Vital record storage
64.	Monitor debris management plan execution	DEM, ENV, BFS	2	After landfall	
65.	Open Disaster Assistance and Recovery Centers (DARC)	All stakeholders	2	After landfall	
66.	Monitor provision of temporary housing	DCS, HOU	2	After landfall	Transition from congregate care sheltering to temporary housing
67.	Develop long-term recovery plan	MAY, DPP, HOU, OED	2	After landfall	Appoint Local Disaster Recovery Manager (LDRM)



**City and County of Honolulu
Tasks
Hurricane Response Framework**

Item #	Task	Responsibility	Phase	Timeframe	Notes
68.	Demobilize resources as conditions stabilize	DEM	2	After landfall	<input type="checkbox"/> Personnel <input type="checkbox"/> Equipment <input type="checkbox"/> Transportation <input type="checkbox"/> Facilities
69.	Inform public of key messages	DEM, BWS, CSD, ENV	2	After landfall	<input type="checkbox"/> Ongoing hazards <input type="checkbox"/> How to protect themselves <input type="checkbox"/> Debris pick-up schedules <input type="checkbox"/> Disposal methods <input type="checkbox"/> Drinking water advisories <input type="checkbox"/> Food sanitation and ongoing actions
70.	Complete EOC Deactivation Checklist	DEM	2	After landfall	
71.	Conduct hotwash	DEM	2	After landfall	
72.	Initiate formal after action report, lessons learned, and improvement plan	DEM	2	After landfall	



**City and County of Honolulu
Objectives and Activities
Hurricane Response Framework**

IX. Objectives and Activities:

Each of the nine hurricane objectives will be accomplished in the manner described below.

OBJECTIVE 1: Perform Lifesaving and Sustaining Measures		LEAD AGENCY: DEM	
ACTIVITY 1.1: Emergency Public Information (EPI)			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> • Preparedness messages provided before landfall • Evacuation and shelter messages provided before landfall • Emergency messages delivered over EAS and other systems • Messages delivered in multiple languages and for people with sight and hearing impairments 	<p>DEM will establish and maintain regular contact with the NWS and SCD when hurricane landfall may occur within five days. DEM will develop a 5-Day Emergency Public Information Plan that broadcasts progressively instructive information to the public, ranging from hurricane awareness, hurricane preparedness, mitigation, evacuation, shelters and recovery information.</p> <p>DEM will activate the City EOC, City JIS, and transmit messages to radio stations to develop and broadcast messaging in multiple languages. DEM will conduct a daily hurricane conference call for all response agencies. DEM will also make use of NIXLE, social media, the EAS, siren, and other public address systems.</p>	<ul style="list-style-type: none"> • PIO from key entities • Weather-related subject matter experts (i.e. NWS) • EAS, siren, and other public address systems • ASL interpreters 	<ul style="list-style-type: none"> • PIOs will need immediate access to message approval authorities • Multi-lingual radio stations will need to translate EPI into other languages, including ASL



**City and County of Honolulu
Objectives and Activities
Hurricane Response Framework**

OBJECTIVE 1: Perform lifesaving and sustaining measures		LEAD AGENCY: DEM	
ACTIVITY 1.2: Evacuation			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> • Timely, orderly evacuations occur • Resident evacuations are coordinated with hotel evacuation programs • People with transportation, access and functional needs receive evacuation support 	<p>DEM, will make timely notifications for evacuation and sheltering information through:</p> <ul style="list-style-type: none"> • Media broadcasts • Outdoor siren warning systems • Mass notification systems • Mobile public address systems <p>Evacuation announcements will:</p> <ul style="list-style-type: none"> • Clearly indicate the dangers of not evacuating • Describe specific areas and types of structures to evacuate from • Provide specific locations to evacuate to • Describe what to bring to a shelter • Provide information on additional resources and assistance <p>DTS will activate and operate an evacuation/support telephone line to facilitate evacuation support to people with access and functional needs.</p>	<ul style="list-style-type: none"> • Buses and drivers • Para-transit vehicles and drivers • DTS evacuation helpline, telephone number, and staff • Mobile public address systems through responder vehicles • Internet access for social media and mass notification systems 	<ul style="list-style-type: none"> • Staff needed to operate the evacuation helpline • Request civil air patrol flight through SCD • Hotel operators not able to shelter customers in-place will coordinate transportation of occupants to evacuation shelters via DTS or private transport



**City and County of Honolulu
Objectives and Activities
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OBJECTIVE 1: Perform lifesaving and sustaining measures		LEAD AGENCY: HESD	
ACTIVITY 1.3: Provide Emergency Medical Support			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> • Emergency medical services are available • Supplemental emergency medical resources are integrated into local medical response 	<p>HESD, HDOH, and HAH will assess the need for additional pre-hospital and hospital support. Support may be pre-positioned before landfall.</p> <p>HESD, HDOH, and HAH will resume emergency services immediately after cancellation of the hurricane warning (All clear signal). Emergency Medical Services will extend outward from fire stations and hospitals as debris is cleared and vehicles and teams are able to reach survivors that require medical care.</p> <p>HESD will lead mass casualty operations with support from the HFD, HPD, MED, and other agencies.</p>	<ul style="list-style-type: none"> • Federal Resources: <ul style="list-style-type: none"> • DMAT • DMORT • FFD/EMS • Other military medical capabilities • Kalawao Rescue • Mobilization or incident support base capacity to provide care and feeding for rotating responders • Private emergency medical service providers 	<ul style="list-style-type: none"> • Requires close coordination with HAH • EMS incident scenes and mobile hospital resources will require security for an extended period of time



**City and County of Honolulu
Objectives and Activities
Hurricane Response Framework**

OBJECTIVE 1: Perform lifesaving and sustaining measures		LEAD AGENCY: HHDOH	
ACTIVITY 1.4: Public and behavioral health			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> • Public health incidents are identified and addressed • Behavioral health needs are identified and addressed 	<p>HDOH will activate their DOC and dispatch a liaison to the City EOC. HDOH will coordinate public and behavioral health activities with other agencies.</p> <p>HDOH will also create and coordinate emergency public information designed to minimize the potential for public health emergencies. This information sharing is accomplished in coordination with the City JIS.</p>	<ul style="list-style-type: none"> • HDOH liaison to the City EOC • Behavioral health professionals outside HDOH 	



**City and County of Honolulu
Objectives and Activities
Hurricane Response Framework**

OBJECTIVE 1: Perform lifesaving and sustaining measures		LEAD AGENCY: HFD	
ACTIVITY 1.5: Environmental Health/HAZMAT Response			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> • A plan exists to anticipate, identify, respond, and recover from hurricane-induced environmental health threats • Environmental health assessment and mitigation capability is integrated into hurricane response operations • Environmental threats and safety instructions are relayed in a timely manner to the public through the City JIS 	<p>HFD will coordinate all hazardous material and environmental response with the HEER office.</p> <p>The WMD CST may also be able to provide environmental health support, depending on the hazardous materials involved and the situation.</p> <p>A majority of federal facilities (bases) will rely on federal fire service for response. Automatic aid MOAs/MOUs will likely be used to accomplish response across jurisdiction lines.</p>	<ul style="list-style-type: none"> • USCG / EPA Strike Team • Private environmental response services • Mobilization or incident support base capacity to provide care and feeding for rotating responders 	<ul style="list-style-type: none"> • Close coordination between HFD and HEER office, the City JIS will be necessary to ensure accurate, timely, and effective emergency public information



**City and County of Honolulu
Objectives and Activities
Hurricane Response Framework**

OBJECTIVE 1: Perform lifesaving and sustaining measures		LEAD AGENCY: HFD	
ACTIVITY 1.6: Search and Rescue (SAR)			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> • SAR operations are conducted in a safe and timely manner 	<p>HFD will implement SAR activity.</p> <p>Additional SAR capabilities from other counties and states will be requested, deployed, and integrated into existing HFD incident commands.</p>	<ul style="list-style-type: none"> • Federal SAR capabilities (e.g. FEMA, US&R Team(s), military, etc.) • State SAR capabilities (e.g. CERFP, canine, etc.) • Heavy equipment from various agencies/ private entities, as needed 	



**City and County of Honolulu
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OBJECTIVE 2: Mass Care and Sheltering		LEAD AGENCY: ARC	
ACTIVITY 2.1: Evacuation Sheltering			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> • Hurricane evacuation shelters are identified and made ready • Shelters are accessible to people with A&FN • All shelters have access to medical and behavioral health professionals • Pet-sheltering options exist 	<p>ARC will participate in daily SCD and NWS calls. At 4 days prior to landfall, ARC will begin shelter program mobilization. At 3 days before landfall ARC will mobilize shelter teams (depending on FEMA declaration status).</p> <p>DEM will activate a shelter team to identify shelters.</p> <p>Shelter team will determine opening time based on onset of tropical storm force winds and evacuation clearance time.</p> <p>Evacuation shelters will close as soon as possible by encouraging people to return home if safe or to relocate to a congregate care shelter.</p>	<ul style="list-style-type: none"> • Pre-identified shelters • Functional needs assessment team • Public health nurses • MRC • Shelter staffing • Hawaiian Humane Society and other partners to staff pet shelters • Transportation of supplies from ARC main warehouse • Amateur radio operators to manage communications 	<ul style="list-style-type: none"> • FEMA declaration of emergency before landfall is needed to effectively push resources toward shelters • Opening of evacuation shelters needs to be carefully coordinated with evacuation operations and siren sounding • Need the following MOUs: <ul style="list-style-type: none"> ○ DEM/ARC ○ HDOH/ARC ○ HDOE/ARC



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OBJECTIVE 2: Mass Care and Sheltering		LEAD AGENCY: ARC	
ACTIVITY 2.2: Congregate Care Sheltering			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> • Shelters are identified and made ready • Shelters have water, power, sewer, and telecommunications • Shelters are accessible to people with A&FN • All shelters have access to medical and behavioral healthcare professionals • Pet-sheltering options exist 	<p>Evacuation shelters will close as soon as possible; congregate care shelters will remain in areas where people seek assistance.</p> <p>City EOC will be responsible for providing additional resources to shelters.</p> <p>A transition to FEMA temporary housing assistance is planned at 30 days or less after shelter activation.</p>	<ul style="list-style-type: none"> • Activation national ARC cadre • Pre-identified private and public shelters that are accessible and pet-friendly • Site-specific shelter contingency planning for water, power, sewer, and telecommunications • Cots • Pet cages • Blankets • Food • Medical and behavioral healthcare professionals • Amateur radio operators and radios • Generators • Fuel 	<ul style="list-style-type: none"> • Transitional housing will be needed before closing shelters • Water and sewer service will be dependent on electricity • Restoration of utilities may take 4 - 6 weeks • Need capabilities to prepare meals for shelter residents • Need plan to stage shelter resources before landfall • Shelters will likely need pre-packaged food and water for up to 30 days • As much as possible, these shelters will not be located in schools



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OBJECTIVE 2: Mass Care and Sheltering		LEAD AGENCY: ARC	
ACTIVITY 2.3: Mass Feeding			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> • Households without power, water, sewer, have access to mass feeding • Two meals per day are provided for people needing mass feeding • Feeding sites support people with access and functional needs 	<p>Mass feeding will occur through fixed and mobile locations, and will employ a combination of licensed public and private kitchens with certified staff.</p>	<ul style="list-style-type: none"> • Operating kitchens • Cooks/servers • Food • Water • Logistical support: <ul style="list-style-type: none"> ○ Vehicles to transport meals ○ Generators ○ Fuel ○ Water ○ Resources and expertise for special dietary needs 	<ul style="list-style-type: none"> • Debris clearance for surface transportation • ARC only has one ERV in state



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OBJECTIVE 2: Mass Care and Sheltering		LEAD AGENCY: DEM	
ACTIVITY 2.4: Bulk Distribution			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> Public has access to life sustaining commodities shortly after event 	<p>The City will employ CPODs strategically located throughout the island to provide commodities to the public.</p> <p>As retailers resume operations, City will scale down CPOD operations.</p>	<ul style="list-style-type: none"> CPOD staff (City employees, volunteers, contractors) Supplies CPOD locations (e.g. empty lots) Security 	<ul style="list-style-type: none"> Debris clearance for surface transportation Access to supplies To promote accountability, separate CPOD operations and CPOD restocking contractors should be considered



**City and County of Honolulu
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OBJECTIVE 2: Mass Care and Sheltering		LEAD AGENCY: ARC	
ACTIVITY 2.5: Family Reunification			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> • Safe and Well website is operational and the number publicized • People are reunited using information from the Safe and Well website 	<p>Shelter residents and others will be encouraged to register on the ARC Safe and Well website so they can better reunite with family and friends. The telephone number and website information will be publicized nationwide by ARC via the media.</p>	<ul style="list-style-type: none"> • Computers • Internet access • Various device chargers and docking equipment 	<ul style="list-style-type: none"> • Access to NEFRLS and NECLC websites (FEMA) family and child reunification • Multi-lingual translators • ARES/RACES



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OBJECTIVE 3: Minimize Risks to Visitors		LEAD AGENCY: OVB	
ACTIVITY 3.1: Visitor/Tourism Protection			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> • All visitors are effectively sheltered • Visitors are able to safely leave the state 	<p>OVB participates in hurricane planning calls and serves as the conduit of information and coordination between the tourism industry and emergency management. OVB monitors the number of visitors sheltered in hotels at all times.</p> <p>OVB coordinates the delivery of emergency supplies of food, water, and generator fuel to hotels, especially 24 hours post-landfall. If hotels cannot sustain operations, visitors are directed to congregate care shelters.</p> <p>OVB will send an agency representative to the City EOC to share information and coordinate activity between the hotel and travel industry command center and the City EOC.</p> <p>The City and OVB will coordinate to:</p> <ul style="list-style-type: none"> • Share information on airport, airline, bus and other transportation information to prevent congestion at the airport. • Coordinate the use of mass transit to move visitors to the airport, unaffected properties, or congregate care shelters. 	<ul style="list-style-type: none"> • Drinking water • Food • Visitor transport • Fuel • Portable toilets • Communications • Generators 	<ul style="list-style-type: none"> • Many large hotels plan to shelter guests in ballrooms or hallways pre landfall • Smaller properties will likely direct their occupants to shelters • Because hotels cannot sustain sheltering operations over the long-term, opening the airport and facilitating visitor departure is a priority



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OBJECTIVE 4: Maintain Functionality of Water Supply		LEAD AGENCY: BWS	
ACTIVITY 4.1: Restore Potable Water Supplies			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> • Potable water systems are restored • Potable water is provided to critical or remote locations as emergency needs require 	<p>Before landfall, BWS will activate supply and distribution teams to pre-stage equipment (e.g. generators) and supplies. Post landfall, these teams will implement activities focused on restoring water to the areas most populated and easiest to restore.</p> <p>BWS, will deploy damage assessment teams to:</p> <ul style="list-style-type: none"> • Determine system status • Estimate costs/time of restoration • Prioritize repair efforts <p>BWS will develop interim measures to provide water at certain pre-determined and critical locations. Additional resources (e.g. generators, fuel) may be needed to fulfill this mission.</p> <p>Mutual aid may be requested through water provider professional organizations.</p>	<ul style="list-style-type: none"> • Generators to support key wells and pumps • Fuel • Food and water for work crews • Personnel to operate, maintain, and refuel generators • Water purification systems (antimicrobial and desalination) • Water storage systems • Water packaging and distribution systems • Transportation to move water supplies 	<ul style="list-style-type: none"> • BWS owns only 6 generators; City EOC will need to request additional generators • The City JIS will provide drinking water public information. HHDOH has lead for water safety determinations and messaging • Mutual aid personnel will augment BWS repair and restoration efforts • Water service is dependent on electrical power • BWS priority will be on water system restoration; BWS cannot sustain mobile water distribution • BWS fuel tanker will likely need to draw from corporate yard for fuel every 8 hours for each generator • USACE may support BWS generator requirements



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OBJECTIVE 5: Deliver Fuel to Maintain Essential Services		LEAD AGENCY: DFM	
ACTIVITY 5.1: Emergency Fuel			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> • City works with stakeholders to prioritize and provide fuel for essential services • Fuel supply and distribution is carefully monitored and controlled during disaster response and recovery • Energy emergency public messaging is coordinated with City JIS 	<p>The City EOC has primary responsibility for coordinating and prioritizing the distribution of available fuel to support response activities post landfall.</p> <p>The state is responsible to collect, consolidate, and coordinate preliminary damage assessments in the fuel sector and all subsequent requests for fuel supply/distribution assistance to the State EOC.</p> <p>In the event of a petroleum shortage, DFM will work through the City EOC to implement the Retail Sales Measures and the State Set-Aside Program.</p>	<ul style="list-style-type: none"> • Refined fuel • Unrefined fuel product • Fuel trucks and drivers • HHDOT driver & weight limit waivers • Data/information on expected fuel supply and demand (type & gallons per day) and resupply schedules • Staffing to support coordination of fuel mission 	<ul style="list-style-type: none"> • Restoration of fuel supply chain • Debris clearance on seaports and roadways



**City and County of Honolulu
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OBJECTIVE 6: Conduct Debris Clearance		LEAD AGENCY: ENV	
ACTIVITY 6.1: Debris Clearance			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> • Debris cleared from roadways to allow essential services to continue 	<p>ENV has executed a master debris clearance contract. ENV master contractor will participate in DEM-led conference calls before initiating contract activities.</p> <p>The initial priority of ENV and the debris contractor is to push debris to the roadside. The contractor does not provide for pick up, transport, sorting, or disposal during initial response.</p> <p>Later, as debris no longer hinders emergency operations, broader debris management operations will begin.</p>	<ul style="list-style-type: none"> • Fuel • Dump trucks • Skip loaders • Truck cranes • Dozers • Licensed heavy equipment operators • Heavy equipment movers with drivers • TDSR sites 	<ul style="list-style-type: none"> • Multi-jurisdictional roads require close coordination between city, state, federal, contracted, and other private resources • Debris cleared from roadways to allow essential services to continue or resume • ENV has developed a comprehensive debris management plan



**City and County of Honolulu
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OBJECTIVE 7: Protect On-island Critical Resources		LEAD AGENCY: DEM	
ACTIVITY 7.1: Critical resources protection			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> • Critical resources are protected and conserved for the end-user 	<p>The protection of critical resources is a responsibility assigned to the Logistics Section of the City EOC. Critical resource protection objectives and activities are identified in EOC pre-landfall incident action planning.</p>	<ul style="list-style-type: none"> • Security • Storage facilities 	<ul style="list-style-type: none"> • Security is critical to protect the supply chain



**City and County of Honolulu
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OBJECTIVE 8: Maintain Continuity of Port Operations		LEAD AGENCY: DEM	
ACTIVITY 8.1: Securing the Seaport Port Operations(pre-landfall)			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> • Provide support to HDOT and USCG 	<p>DEM on behalf of the City works with the USCG, HDOT, and stakeholders to monitor, manage and support emergency seaport activities.</p> <p>DEM will support:</p> <ul style="list-style-type: none"> • Management of roadway access to Honolulu Harbor • Relocation of cargo and equipment by providing locations/facilities to the extent possible 	<ul style="list-style-type: none"> • Locations to move cargo and equipment away from vulnerable areas 	<ul style="list-style-type: none"> • There will be a need to provision vessels moored longer than 48 hours • DOBOR and Harbor Masters would have responsibility of evacuating recreation vessels, which have designated refuge locations • Prior to landfall, the USCG, through the Honolulu COTP will: <ul style="list-style-type: none"> ○ Send BNMs ○ Close the port based on recommendations and assessments ○ Coordinate closure message with State and City ○ Give order for all larger commercial vessels, to evacuate port ○ Approve, on a case-by-case basis, any commercial vessel requesting to remain moored



City and County of Honolulu Objectives and Activities Hurricane Response Framework

OBJECTIVE 8: Maintain Continuity of Port Operations		LEAD AGENCY: DEM	
ACTIVITY 8.2: Restore Seaport Port Operation (post-landfall)			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> • Roadway access to Honolulu Harbor is secured and controlled • Debris clearance is conducted to facilitate roadway access to Honolulu Harbor 	<p>DEM on behalf of the City works with the USCG, HDOT, and stakeholders to monitor, manage and support emergency seaport activities.</p> <p>City EOC will prioritize clearing roads to the harbors and alternate harbors.</p>	<ul style="list-style-type: none"> • Debris removal equipment and operators • Interim, alternate port operations to receive emergency supplies while primary areas of the port are restored 	<ul style="list-style-type: none"> • Primary maritime debris clearance will fall to USACE, but there are certain situations where USCG or HDOT-Harbors may award contracts for this work • Early and rapid damage assessment will be critical to reestablishing port operations quickly • An MOA to use JBPHH after hurricane • HDOT-Harbors will facilitate port restoration operations



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OBJECTIVE 9: Restore Power Infrastructure		LEAD AGENCY: Hawaii Electric Company (HECO)	
ACTIVITY 9.1: Restore electricity			
Measures of Success	Concept of Operation	Resource Needs	Dependencies
<ul style="list-style-type: none"> • Restore and/or maintain functionality of electrical system to the City • Debris clearance is conducted to facilitate roadway access to critical HECO facilities and operations 	<p>HECO will participate in hurricane planning calls beginning with a representative to the City EOC. HECO will also participate in the development of EOC situation reporting and incident action planning.</p> <p>HECO will work within City EOC to help establish priorities, facilitate mutual aid, and arrange other forms of support that may be needed.</p> <p>City EOC will prioritize clearing roads to critical HECO facilities and operations.</p>	<ul style="list-style-type: none"> • Utility poles and shoring materials • Crews • Equipment • Supplies • Helicopters • Surface transportation • Fuel 	<ul style="list-style-type: none"> • Downtown Honolulu would likely be easier/quicker to restore power than windward locations • Windward or remote locations could require 4-6 weeks for restoration • HECO will pre-stage response and recovery resource and place damage assessment and response teams on alert before landfall. Limited equipment, supplies, and personnel will available, so HECO will work with other utilities to request and employ mutual aid resources.



City and County of Honolulu Acronyms Hurricane Response Framework

ACRONYM	DESCRIPTION
140 W	140 Degrees West
A&FN	Access and Functional Needs
ARC	American Red Cross
ARES	Amateur Radio Emergency Service
ASL	American Sign Language
BFS	Budget and Fiscal Services
BNM	Broadcast Notice to Mariners
BWS	Honolulu Board of Water Supply
CDP	Commodity Distribution Plan
CERFP	Chemical, Biological, Radiological/Nuclear, and Explosive (CBRNE) – Enhanced Response Force Package
City	City and County of Honolulu
COR	Department of the Corporation Counsel
COTP	Captain of the Port, USCG
CPOD	Community Points of Distribution
CSD	Customer Services Department
CST	Civil Support Team, National Guard (93rd WMD CST, Hawai'i National Guard)
DARC	Disaster Assistance and Recovery Centers
DCS	Department of Community Services
DDC	Department of Design and Construction
DEM	Department of Emergency Management
DES	Department of Enterprise Services



City and County of Honolulu Acronyms Hurricane Response Framework

DFM	Department of Facility Maintenance
DHR	Department of Human Resources
DIT	Department of Information Technology
DLNR	Hawai'i State Department of Land and Natural Resources
DMAT	Disaster Medical Assistance Team
DMORT	Disaster Mortuary Operational Response Team
DOBOR	Division of Boating and Ocean Recreation, Hawai'i State Department of Land and Natural Resources
DOC	Department Operations Center
DOD	U.S. Department of Defense
DPP	Department of Planning and Permitting
DPR	Department of Parks and Recreation
DTS	Department of Transportation Services
EAS	Emergency Alert System
EMRC	Emergency Management Reserve Corp
EMS	Emergency Medical Service
ENV	Department of Environmental Services
EOC	Emergency Operating Center
EPA	U.S. Environmental Protection Agency
EPI	Emergency Public Information
ERV	Emergency Response Vehicle, American Red Cross
ESF	Emergency Support Functions
FEMA	Federal Emergency Management Agency



**City and County of Honolulu
Acronyms
Hurricane Response Framework**

FFD	Federal Fire Department
HAH	Healthcare Association of Hawai'i
HART	Honolulu Authority for Rapid Transportation
HAWAS	Hawai'i Warning System Hawai'i
HAZMAT	Hazardous Material
HDOD	Hawai'i Department of Defense
HDOE	Hawai'i Department of Education
HDOH	Hawai'i State Department of Health
HDOT	Hawai'i State Department of Transportation
HDOT - Airports	Hawai'i State Department of Transportation – Airports Division
HDOT - Harbors	Hawai'i State Department of Transportation – Harbors Division
HDOT - Highways	Hawai'i State Department of Transportation – Highways Division
HECO	Hawai'i Electric Company
HEER	Hazard Evaluation & Emergency Response Office, Hawai'i State Department of Health
HESD	Honolulu Emergency Services Department
HFD	Honolulu Fire Department
HHUG	Hawai'i Harbors Users Group
HHVISA	Hawai'i Hotel and Visitors Industry Security Association
HING	Hawai'i National Guard
HNL	Honolulu International Airport
HLTA	Hawai'i Lodging and Tourism Association
HOST	Hawai'i Ocean Safety Team



City and County of Honolulu Acronyms Hurricane Response Framework

HOU	Mayor's Office of Housing
HPD	Honolulu Police Department
HRS	Hawai'i Revised Statutes
HTA	Hawai'i Tourism Authority
HVCB	Hawai'i Visitors and Convention Bureau
IAP	Incident Action Plan
IMAT	Incident Management Assistance Team
JBPHH	Joint Base Pearl Harbor – Hickam
JIS	Joint Information System
JPAC	Joint POW/MIA Accounting Command
LDRM	Local Disaster Recovery Manager
MAY	Mayor's Office
MED	Medical Examiner Department
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
MRC	Medical Reserve Corps
NECLC	National Emergency Child Locator Center
NEFRLS	National Emergency Family Registry and Locator System
NGO	Non-Governmental Organization
NOAA	National Oceanic and Atmospheric Administration
NWS	National Weather Service



City and County of Honolulu Acronyms Hurricane Response Framework

OED	Mayor's Office of Economic Development
OPLAN	Hawai'i Catastrophic Hurricane Operations Plan
OVB	Oahu Visitors Bureau
PAFN	People with Access and Functional Needs
PAT	Department of the Prosecuting Attorney
PH	Public Health
PHAST	Public Health Assessment and Surveillance Team
PIOs	Public Information Officers
RCPG	Regional Catastrophic Preparedness Grant
RACES	Radio Amateur Civil Emergency Service
RF	Radio Frequency
SAR	Search and Rescue
SCD	State Civil Defense
TDSR	Temporary Debris Storage and Reduction Sites
TUG	Telecommunication Utility Group
USACE	U.S. Army Corps of Engineers
USCG	U.S. Coast Guard
USN	U.S. Navy
US&R	Urban Search and Rescue
WMD	Weapons of Mass Destruction
WMD CST	Weapons of Mass Destruction Civil Support Team