'26MAR31 AM 9:31 CITY CLERK

City & County of Honolulu
Kona Low Storm Damage_Preliminary Cost Estimates
Last Update: 2026-03-30

	In Thousands $		
Description	**Low Est.**	**High Est.**	**Average**
FDNY Flood IMT Assistance	$ 1,300	$ 1,300	$ 1,300
EOC Staff Assistance	$ 140	$ 160	$ 150
DCS Case Work (Catholic Charities)	$ 75	$ 100	$ 83
DRC (Debris Sorting/Processing)	$ 4,000	$ 5,000	$ 4,500
HPD OT	$ 1,200	$ 1,200	$ 1,200
Other Departmental OT	TBD	TBD	TBD
ENV/DFM Refuse Hauling/Pumping/Contracting	TBD	TBD	TBD
Waimea Bay Debris Pile Removal (DDC)	$ 3,500	$ 4,000	$ 3,750
Other (Housing, Community Assistance)	$ 5,000	$ 10,000	$ 7,500
Tetra Tech (FEMA assistance)	$ 100	$ 150	$ 125
Maintenance of City Streets	TBD	TBD	TBD
FY27 Increase to Provisional for Disasters…	$ 3,500	$ 3,500	$ 3,500
FY27 Fiscal Stability Reallocation	$ 5,000	$ 5,000	$ 5,000
Chinatown City Property Damage	$ 7,000	$ 9,000	$ 8,000
Waialua Fire Station Damage	$ 1,500	$ 3,000	$ 2,250
Communication Towers-Damage	TBD	TBD	TBD
Flood Control Various Locations	$ 1,800	$ 10,000	$ 5,900
HESD Ambulance	$ 250	$ 275	$ 263
Rehabilitation of City Streets	TBD	TBD	TBD
	$ -	$ -	$ -
Grand Total			
	$ 34,365	**$ 52,685**	**$ 43,520**

Submitted for the March 31, 2026 Committee on Budget Meeting by the Office of the Managing Director relating to Agenda Item No. 6, Informational briefing on the disaster response to weather events, including fiscal impact.

MAYOR'S MESSAGE 38(26) BUD

DEM Kona Low 1		Estimated Costs
BFS		
O/T for Shelters: Kahuku, Nanakuli, Waialua		7,725
	Total	7,725
BWS		
Emergency Pump: Nuuanu Reservoir 1		18000
Pumps/hoses/gaskets to dewater Nuuanu 1		543,000
Belt Heater/Bar Heater Replacement		4,500
Labor costs		71,000
	Total	636,500
DCS		
Roof leak/repair - Kauhale Haleiwa		5,000
Emergency Protective Measures		8,000
Waikiki Vista - Water intrusion/damage		250,000
	Total	263,000
DDC		
Roads and Bridges (Hakimo Rd Box Culvert)		150,000
Kailua Ocean Safety Station		100,000
	Total	250,000
DEM		
Emergency Protective Measures		102,100
	Total	102,100

DES

Roof damage Ala Wai GC Driving Range Bldg		25,000
Honolulu Zoo - battery/cable damage		600
Debris Removal (Sand/Silt/Soil/Mud/Rocks		50,000
Kahuku GC Damaged Window/Replacement		5,000
West Loch GC 4 Damaged Irrigation Controllers		32,000
Debris Removal (Vegetative matter)		10,000
Ala Wai GC Shorted AC Chiller control board		5,000
Waikiki Shell rain damage (flooring/wood)		15,120
Waikiki Shell replacement floor/wood		15,120
	Total	157,840

DFM

Oahu Damaged Street Light Poles - various loc		30,000
Emergency Protective Measures - Labor/OT		40,000
Emergency Protective Measures - Labor/OT		40,000
Emergency Protective Measures - Labor/OT		2,000
Debris Removal (Public Roads)		240,000
	Total	352,000

DHLM

City Housing Damage (Various Locations)		232,000
	Total	232,000

DIT

Emergency Protective Measures OT		6,000
	Total	6,000

DPP

Emergency Protective Measures OT		12,000
Fasi Bldg 1/7/15 Floors Damage (roof/lights)		423,000
	Total	435,000

DPR

Kamokila Comm Park - Canopy Damage		TBD
McCully Dist Park - Gutter Damage		TBD
KokoHead Shooting Complex - Roof Damage		TBD
Emergency Protective Measures OT		885,480
McCully Dist Park - Gutter Damage		100
Hawaii Plantation Village - Admin Bldg - roof		70,000
Kalanianaole Beach Park - bollards/gate		40,000
Hoomaluhia BG - debris rem, path restoration		2,000,000
Waimea Bay BP - slope restoration, Debris rem		6,000,000
Ala Moana/Kakaako Waterfront Park - trees		2,000
	Total	8,997,580

DTS

Transit Stops - signs damaged		1,500
Bus Damage - tires		1,512
Emergency Protective Measures OT		28,000
Biki Wharehouse - roof/wall/equip damage		100,000
	Total	131,012

ENV

Kailua WWTP - damaged components/equip		20,000,000
Emergency Protective Measures		1,025,250
Construction & Demo (C&D) debris		300,000
	Total	21,325,250

HESD

Emergency Protective Measures		200,000
	Total	200,000

HFD		
HFD Headquarters Museum - roof damage		3,000
Fuel/Meals/Damage and OT		60,248
HFD Pearl City - roof damage		3,000
HFD Waialua - flood/mud damage		9,000
HFD Aikahi - fence/vehicle damage		19,000
Emergency Protective Measures OT		29,247
	Total	123,495
HOSD		
HOSD Hanauma Bay - doors damaged - replace		TBD
Emergency Protective Measures OT		1,000
Hauula Skylight Damaged - replace		TBD
HOSD Makapuu BP - doors damaged - replace		TBD
	Total	1,000
HPD		
Emergency Protective Measures OT		10,000
Maj Events Div Trailer - damaged - replace		65,000
	Total	75,000
MED		
Emergency Protective Measures OT		3,180
	Total	3,180
GRAND TOTAL		**33,298,682**

DEM Kona Low 2		Estimated Costs
BWS		
Kuou Wells I - extensive road damage		4,000,000
Haiku Wells - road damage/facility cleanup		200,000
Kaluanui Wells - sig road damage/gate/fence		1,000,000
Makaha Wells II and III - extensive road dama		7,000,000
Waianae Wells I and II - road damage		200,000
Makaha Wells V - Electrical damage		300,000
Makaha Wells I - extensive road damage - rep		5,000,000
Wailee Wells - access road damage		1,000,000
Opana Wells - erosion requiring work		545,000
Kawela 228 Res - erosion requiring work		300,000
Waialua 225 Res, Wells/GAC Plant - erosion		151,000
Dams/Reservoirs - Labor/OT		50,000
	Total	19,746,000
COR		
Emergency Protective Measures		1,100
	Total	1,100
CSD		
Emergency Protective Measures		2,000
	Total	2,000
DCS		
Emergency Protective Measures		25,000
	Total	25,000

DDC		
Waipahu CDP - repair of bridge foundations		6,000,000
Beaumont Woods Pl - road damage - repairs		250,000
Tantalus Drive - slope erosion - repairs		6,500,000
Halawa Rd Bridge - damaged retaining wall		2,000,000
Makaniolu Place - damaged drainage system		1,000,000
Hakimo Road/Waipahu St Bridges - inspection		300,000
	Total	16,050,000
DEM		
Emergency Protective Measures		100,000
DEM Rural CC - Waialua - electrical		30,000
	Total	130,000
DES		
Debris Removal (Sand/Silt/Soil/Mud/Rocks		50,000
Honolulu Zoo - electrical damage - fencing		25,000
Honolulu Zoo - electrical damage - Pries Bldg		75,000
Debris Removal		35,000
Ala Wai GC - drywall/flooring/carpet replace		75,000
Honolulu Zoo - flooding Savannah Exhibit		6,000
	Total	266,000
DFM		
Emergency Protective Measures OT		1,700
Debris Removal (Public Roads)		325,000
Fort St Mall - flooding damaged electrical		100,000
	Total	426,700
DIT		
Emergency Protective Measures OT		8,000
Mokuleia Radio - access road damage - repair		1,500,000
Mokuleia Tower - electrical water damage		500,000
	Total	2,008,000

DHLM		
Damage City Housing Chinatown, Kulana Nani		10,087,000
	Total	10,087,000
DPP		
Fasi Municipal Bldg - Water leaks		15,000
	Total	15,000
DPR		
Wahiawa BG - landslide/retention wall damage		3,000,000
Depots Beach Park - canal wall collapse/fence		250,000
Emergency Protective Measures		256,650
Waikele Stream Pump House - erosion repair		5,000,000
Kalakaua Dist Paark - damage back flow prev		3,000
Hanauma Bay NP - light post damaged		5,000
Waimea Bay Beach Park - landslide		3,000,000
	Total	11,514,650
DTS		
Transit Stops - signs damaged		1,500
Bus Damage - tires		1,512
Emergency Protective Measures OT		28,000
Biki Wharehouse - roof/wall/equip damage		100,000
	Total	131,012
ENV		
LPSS feeding Laie WWTP - damaged - repair		300,000
Emergency Protective Measures		1,025,250
Debris removal - roads/ROW/land/waterways		5,000,000
Construction & Demo (C&D) debris - removal		1,000,000
	Total	7,325,250

HESD		
EMS Waialua Amb - flooded - replacement		452,000
EMS Waialua Vehicle - flooded - replacement		20,000
MedCat - flooding/high water damage		75,000
EMS Waialua Unit - flooding - equip/supplies		400,000
	Total	947,000
HFD		
Emergency Protective Measures		60,000
Meals for IMT/Emerg Personnel		2,500
HFD Hdqt Museum - roof damage		15,000
HFD Waialua - flood/mud damage		15,000
	Total	92,500
HPD		
Emergency Protective Measures OT		560,000
Police Academy - leaking ceiling - flooding		60,000
Dist 2 Station - leaking ceiling - electrical		60,000
Dist 3 Station - leaking ceiling - electrical		100,000
Community Affairs Div - leaking ceiling - repair		20,000
Major Events Div - Hazmat HW Vehicle damage		10,000
HPD 2152 & 1787 - flooded vehicles - replace		200,000
Dist 4 Axon Body Camera - flooded - lost		850
	Total	1,010,850
MED		
Emergency Protective Measures OT		4,524
	Total	4,524
PAT		
Emergency Protective Measures		1,400
	Total	1,400
GRAND TOTAL		**69,783,986**