

Action Plan

Grantee: Hawaii County, HI

Grant: P-19-HI-15-0DD2

Total Budget:

Status: Submitted - Await for Review

Grant Number	LOCCS Authorized Amount	Grant Award Amount	Estimated PI/RL Funds	Total Budget
B-19-UV-15-0001	\$ 66,890,000.00	\$ 66,890,000.00	\$ 0.00	\$ 66,890,000.00
B-19-UV-15-0002	\$ 40,671,000.00	\$ 40,671,000.00	\$ 0.00	\$ 40,671,000.00
Total:	\$ 107,561,000.00	\$ 107,561,000.00	\$ 0.00	\$ 107,561,000.00

Funding Sources

No Funding Sources Found

Narratives

Disaster Damage:

During the 2018 Kilauea eruption from May to August 2018, the USGS HVO reported a total of 24 known fissures, 60,000 earthquakes, and an eruption equivalent to eight years of Kilauea's magma supply. Puna suffered significant losses, especially from lava inundation. Multiple neighborhoods, including Leilani Estates, Lanipuna Gardens, Kapoho Beach Lots and Vacationland, were inundated (some completely), and a charter school, Kua O Ka La, and Ahalanui Park were destroyed. In addition to lava flow, earthquakes, and air pollutants, including sulfur dioxide, ash, tephra, and laze (lava haze) affected not only the residents of Puna but also the island and the state.

The sheer volume of the magma supply was one of the most significant distinguishing characteristics of the 2018 Kilauea event. Simultaneously, Kilauea's summit experienced its largest collapse in 200-plus years, with a total of 1,640 feet subsidence and tens of earthquakes at the summit each day rattling surrounding communities. Volcanic gases and ash created a cloud of vog (volcanic smog) that reached the island of Oahu. Dozens of new fissures opened along a line of craters in Puna. Many of these fissures produced lava into residential areas, farmlands, and sensitive natural areas and cultural sites.

In total, approximately 8,448 acres of land were inundated by lava, 3,983 acres were isolated, and 3,000 residents were displaced. Nearly 2,000 parcels were impacted by the lava flows, whether totally inundated, partially inundated, or isolated by lava; of these, the median size of parcels is approximately 1 acre. A new coastline was formed in Kapoho Bay, and the path of damage covered sections of several subdivisions, approximately 12.5 miles of public roads, 20 miles of private roads, and 14.5 miles of waterlines. These impacts resulted in more than \$236 million in public infrastructure damages.

The most significant direct impact from the volcanic event was to residential properties, including land and structures. It is estimated that 1,579 parcels were inundated with lava, resulting in the destruction of approximately 723 structures, with approximately 600 of those structures being a residence. Additionally, more than 120 parcels were identified as isolated. Housing impacts of the 2018 Kilauea eruption have proven particularly challenging to recovery. Seismic activity, noxious gases, and vog forced extended evacuations and damaged structures well beyond the boundaries of lava inundation. Lava flowed directly through residential neighborhoods. Few roads transect upper and lower Puna, and many of them became impassible. Entire areas of Puna were rendered inaccessible for months as lava flowed across arterial roadways. The lava flow continued for months and caused secondary impacts: new fissures opened, homes were compromised by gases and steam venting, parks and businesses faced extended closure, and tourism to the island slowed considerably. The geological effects of the magma channels below the surface continue to impact residential areas today with heat and steaming that has rendered some areas unlivable. These conditions may remain or expand in the area over time.

Impacts from the volcanic event were also felt in the local economy with 2,950 jobs lost island-wide between May 2018 and June 2019. The tourism industry alone suffered approximately \$415 million in economic losses. Additionally, the University of



Hawaii estimates that damages for agricultural producers totaled approximately \$28 million in inundated and isolated farmland.

Recovery Needs:

In calculating recovery need the County of Hawaii utilized HUD's unmet recovery needs methodology as outlined in the August 14, 2018 Federal Register Notice. Through the review of best available data and information the County identified a total of \$948,135,147 in recovery needs for DR-4366 prior to factoring recovery-related assistance received or anticipated. These recovery needs are categorized across housing, economic development, infrastructure, and general recovery needs. The data sources for calculated this recovery need include Federal Emergency Management Agency (FEMA) Individual and Household Assistance Program, FEMA Public Assistance Program, Small Business Administration (SBA) home loan registrations, County-led damage assessments, economic analysis of publicly available data, and engineering estimates.

Project Summary

Project #	Project Title	Grantee Activity #	Activity Title	Grantee Program
2018 Kilauea	2018 Kilauea Administration	2018 Kilauea Administration	2018 Kilauea Administration	
2018 Kilauea	2018 Kilauea Voluntary Housing	Low-Mod Voluntary Housing Buyout Program Urgent Need Voluntary Housing Buyout Program	Low-Mod Voluntary Housing Buyout Program Urgent Need Voluntary Housing Buyout Program	
9999	Restricted Balance	<i>No activities in this project</i>		



Activities

Project # / 2018 Kilauea Administration / 2018 Kilauea Administration

Grantee Activity Number: 2018 Kilauea Administration

Activity Title: 2018 Kilauea Administration

Activity Type:

Administration

Activity Status:

Under Way

Project Number:

2018 Kilauea Administration

Project Title:

2018 Kilauea Administration

Projected Start Date:

05/04/2021

Projected End Date:

04/30/2027

Project Draw Block by HUD:

Not Blocked

Project Draw Block Date by HUD:

05/05/2027 by Steven Edwards

Activity Draw Block by HUD:

Not Blocked

Activity Draw Block Date by HUD:

05/05/2027 by Steven Edwards

Block Drawdown By Grantee:

Not Blocked

National Objective:

Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Total Budget:

Grant Number	Total Budget	Most Impacted and Distressed Budget
B-19-UV-15-0001	\$ 3,344,500.00	\$ 3,344,500.00
B-19-UV-15-0002	\$ 2,033,550.00	\$ 2,033,550.00
Total:	\$ 5,378,050.00	\$ 5,378,050.00
Other Funds:	\$ 0.00	
Total:	\$ 5,378,050.00	

Benefit Report Type:

NA



Proposed budgets for organizations carrying out Activity:

Responsible Organization	Organization Type	Proposed Budget
County of Hawaii	Local Government	\$ 5,378,050.00

Location Description:

Activity Description:

Administration for grant P-19-HI-15-0DD2

Environmental Assessment: EXEMPT

Environmental Reviews: None

Activity Attributes

Disaster Type: Volcano

Activity Supporting Documents: None

Project # / 2018 Kilauea Voluntary Housing Buyout Program / 2018 Kilauea



Grantee Activity Number: Low-Mod Voluntary Housing Buyout Program

Activity Title: Low-Mod Voluntary Housing Buyout Program

Activity Type:

Acquisition - buyout of residential properties

Activity Status:

Under Way

Project Number:

2018 Kilauea Voluntary Housing Buyout Program

Project Title:

2018 Kilauea Voluntary Housing Buyout

Projected Start Date:

05/04/2021

Projected End Date:

04/30/2027

Project Draw Block by HUD:

Not Blocked

Project Draw Block Date by HUD:

05/05/2027 by Steven Edwards

Activity Draw Block by HUD:

Not Blocked

Activity Draw Block Date by HUD:

05/05/2027 by Steven Edwards

Block Drawdown By Grantee:

Not Blocked

National Objective:

Low/Mod Buyout: Funds used for a buyout award to acquire housing owned by a qualifying LMI household, where the award amount (including optional relocation assistance) is greater than the post-disaster (current) fair market value of that property

Total Budget:

Grant Number	Total Budget	Most Impacted and Distressed Budget
B-19-UV-15-0001	\$ 44,087,180.50	\$ 44,087,180.50
B-19-UV-15-0002	\$ 26,946,199.50	\$ 26,946,199.50
Total:	\$ 71,033,380.00	\$ 71,033,380.00
Other Funds:	\$ 0.00	
Total:	\$ 71,033,380.00	

Benefit Report Type:

Direct (Households)

Proposed Beneficiaries

	Total	Low	Mod	Low/Mod%
# Renter Households				0.0
# Owner Households	200	100	100	100.00
# of Households	200	100	100	100.00

Proposed Accomplishments

	Total
# of Singlefamily Units	200
# of Multifamily Units	



# of Housing Units	200
Activity funds eligible for DREF (Ike Only)	
Total acquisition compensation to owners	
# of Parcels acquired voluntarily	200
# of Parcels acquired by admin settlement	
# of Parcels acquired by condemnation	
# of Properties	200

Proposed budgets for organizations carrying out Activity:

Responsible Organization	Organization Type	Proposed Budget
County of Hawaii	Local Government	\$ 71,033,380.00

Location Description:

Activity Description:

Voluntary housing buyout program for low- to moderate-income households.

Environmental Assessment: UNDERWAY

Environmental Reviews: None

Activity Attributes

Disaster Type: Volcano

Activity Supporting Documents: None



Grantee Activity Number: Urgent Need Voluntary Housing Buyout Program

Activity Title: Urgent Need Voluntary Housing Buyout Program

Activity Type:

Acquisition - buyout of residential properties

Project Number:

2018 Kilauea Voluntary Housing Buyout Program

Projected Start Date:

05/04/2021

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Urgent Need: A community development need having a particular urgency because existing conditions pose a serious and immediate threat to the health and welfare of the community

Activity Status:

Planned

Project Title:

2018 Kilauea Voluntary Housing Buyout

Projected End Date:

04/30/2027

Project Draw Block Date by HUD:

05/05/2027 by Steven Edwards

Activity Draw Block Date by HUD:

05/05/2027 by Steven Edwards

Total Budget:

Grant Number	Total Budget	Most Impacted and Distressed Budget
B-19-UV-15-0001	\$ 19,458,319.50	\$ 19,458,319.50
B-19-UV-15-0002	\$ 11,691,250.50	\$ 11,691,250.50
Total:	\$ 31,149,570.00	\$ 31,149,570.00
Other Funds:	\$ 0.00	
Total:	\$ 31,149,570.00	

Benefit Report Type:

Direct (Households)

Proposed Beneficiaries

	Total	Low	Mod	Low/Mod%
# Renter Households				0.0
# Owner Households	100			0.00
# of Households	100			0.00

Proposed Accomplishments

Activity funds eligible for DREF (Ike Only)

Total



Total acquisition compensation to owners

# of Parcels acquired voluntarily	100
# of Parcels acquired by admin settlement	
# of Parcels acquired by condemnation	
# of Properties	100

Proposed budgets for organizations carrying out Activity:

Responsible Organization	Organization Type	Proposed Budget
County of Hawaii	Local Government	\$ 31,149,570.00

Location Description:

Activity Description:

Voluntary housing buyout program for urgent need.

Environmental Assessment: UNDERWAY

Environmental Reviews: None

Activity Attributes

Disaster Type: Volcano

Activity Supporting Documents: None

Action Plan History

Version	Date
P-19-HI-15-0DD2 AP#3	11/02/2021
P-19-HI-15-0DD2 AP#2	09/30/2021
P-19-HI-15-0DD2 AP#1	05/17/2021

