

American Samoa 1st Annual Disaster Resilience Summit Hazard Mitigation Grant Program

FEMA Region 9 | September 27, 2022



FEMA

HMGP – Hazard Mitigation Grant Program

- Event-driven – budget and schedule determined by each Presidentially-declared Disaster
- Notice of Funding Opportunity published by SHMO
- State-wide program – no competition between states
- **What:** An all-hazards grant program that implements long term hazard mitigation measures after a major disaster declaration
- **When:** HMGP funds become available as the result of a presidentially declared disaster



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WHO IS ELIGIBLE?

- **States and Territories**
- **Local Governments** – Counties, Cities, School Districts, Special Districts.
- **Tribes** – Federally-recognized Tribes can apply directly to FEMA if they wish. Tribes not Federally-recognized can coordinate with the State or partner with a Federally-recognized Tribe to submit their application.
- **Private Nonprofit Organizations** – Private nonprofit educational, utility, emergency, medical, or care facility, including for older adults and people with disabilities, and other facility providing essential governmental services to the general public, and such facilities on Indian reservations.



SOME ELIGIBLE PROJECTS

- **FLOOD** projects include structure acquisitions and relocations, structure elevations, and dry floodproofing.
- **Generator** projects are emergency equipment that provide a secondary source of power and can include microgrids or battery storage.
- **SEISMIC** projects include both structural and non-structural retrofitting to reduce risk of future damage and protect occupants.
- **Outreach** projects that engages with the communities that expands on education of hazards through varies mediums: print, visual, social media

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THE DETAILS...

- **A NON-FEDERAL MATCH IS REQUIRED** – the cost share is typically 75% Federal/25% non-Federal.
- **THE PROJECT MUST ALIGN WITH HAZARD MITIGATION PLANS** – the hazard must be addressed in the current LHMP and in the current State HMP. Note, the LHMP is not required for PNP.
- **APPLICATION REQUIREMENTS** – Scope of Work, Cost Estimate, Work Schedule, Benefit-Cost Analysis, Local Match Commitment, Maintenance Agreement, Environmental Documentation, Designs & Studies, Photographs, and Historical Information.
- **APPLICATION WINDOWS** –HMGP application windows are variable, depending on the disaster declaration.

Project Examples



Guam: Window shutters (DOE)



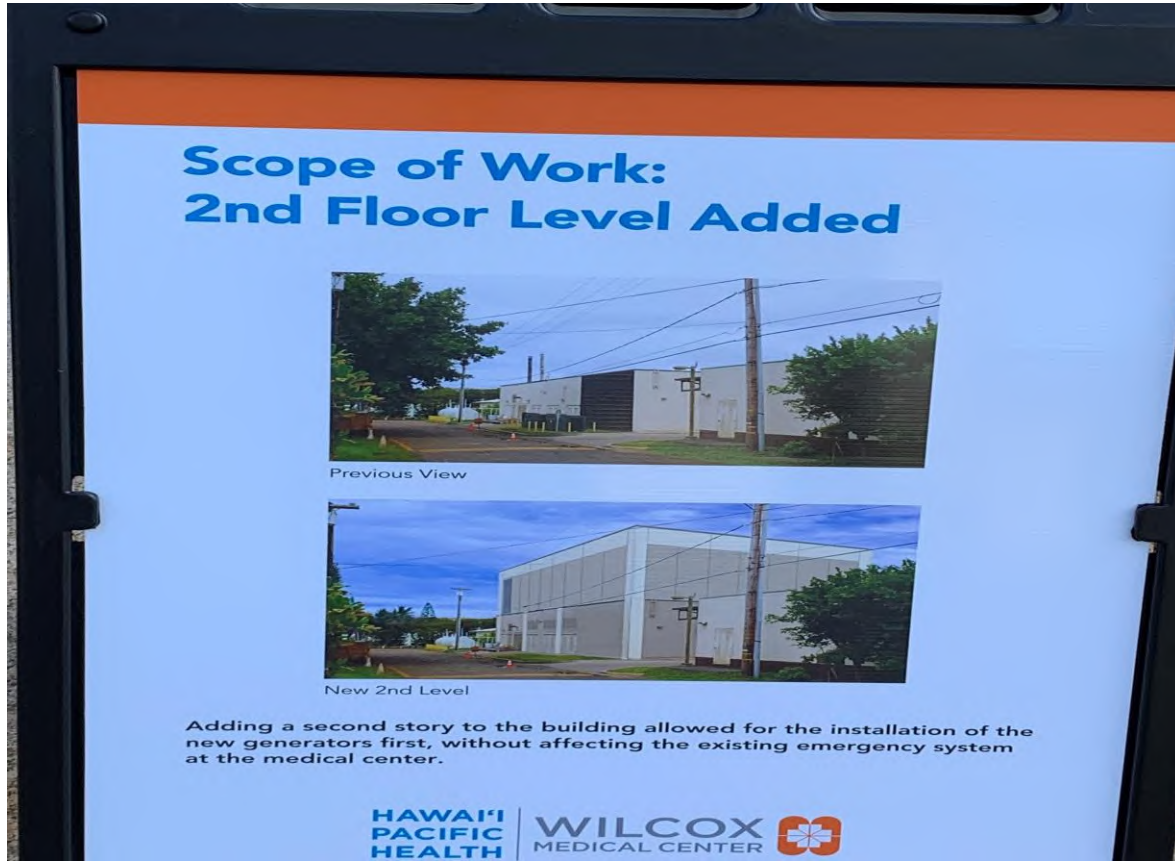
Hawai'i: Roof hardening & wind protection



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Federal Emergency Management Agency

Project Examples



Hawaii: Generator for Wilcox Hospital



Guam: Flooding at Hagatna



FEMA

Federal Emergency Management Agency

Current HMGP Projects: American Samoa

FEMA-4357-DR-AS – Open Projects			
Project ID	Project Name	Approved Federal Share	Activity Completion Date
4357-01-01	7%, Territory of American Samoa Hazard Mitigation Plan (HMP) Update	\$250,290.00	March 2, 2023
4357-02-03	Fagaima Flood Mitigation Project	\$3,165,018.98	March 2, 2023
4357-03-02	5%, ODAPM Hazard Mitigation Outreach	\$29,830.50	March 2, 2023
4357-04-04	5%, American Samoa Telecommunications Authority (ASTCA) Ili'ili Communication Office Backup Power System	\$150,000.30	March 2, 2023
4357-05-05	State Management Costs	\$452,880.00	March 2, 2023

FEMA Hazard Mitigation Assistance

American Samoa
1st Annual Disaster Resilience Summit
Hazard Mitigation Assistance

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Disaster Resilience Summit 2022

Territorial HM Program Overview







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HM Program Coordinator



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TALAUUEGA E. V. ALE
LIEUTENANT GOVERNOR

April 20, 2021

GENERAL MEMORANDUM NO. 082-21

To: Secretary of Samoan Affairs, CEOs, Presidents and Executive Directors of Authorities, Directors, Agency and Office Heads

cc: Honorable Tuaolo Manaia E. Fruean, President of the Senate
Honorable Savali Talavou Ale, Speaker of the House of Representatives

From: Governor of American Samoa

Subject: Establishment of the Territorial Hazard Management Council

Pursuant to authority A.S.C.A. § 4.0302, the Territorial Hazard Mitigation Council (Council) is established. The Council is established to assist the Territorial Emergency Management Coordination Office in fulfilling its responsibilities outlined in A.S.C.A. § 26.0106.

The Council shall:

1. Assist the American Samoa Government in identifying hazard mitigation issues and opportunities facing the Territory for development of a comprehensive hazard mitigation strategy;
2. Prepare strategies, policies, and reports on hazard mitigation issues and provide recommendations to the Governor, the Fono, and key territorial agencies involved in mitigation related areas within their normal agency missions;
3. Ensure agencies collaborate and cooperate fully to develop and execute sustainable hazard mitigation actions to reduce risks posed to the Territory;
4. Coordinate with and support agency efforts in obtaining and administering federal and other grants, including post-disaster mitigation grants available under the Robert T. Stafford Disaster Relief and Emergency Assistance Act to promote hazard mitigation opportunities with the Territory; and
5. Identify and prioritize mitigation activities annually for funding under the Pre-Disaster Mitigation Program, Hazard Mitigation Grant Program, Flood Mitigation Assistance, Public Assistance, Repetitive Flood Claims, Severe Repetitive Loss, and other mitigation funds that become available.

The Council shall consist of the following members:

Council Members include

Lt. Governor Talauega E.V. Ale, Governor's Authorized Representative
Director Lisa Tuato'o, ODAPM
Director Samana Ve'ave'a, ASDHS
Representative for Senate President
Representative for Speaker of the House
Representative for Secretary of Samoa Affairs
Director Petti Matila, Dept. of Commerce
Director Chris King, Dept. of Port Administration
Director Faleosina Voigt, Dept. of Public Works
Director Fa'amao Asalele, ASEPA
Director Elvis Zodiacal, ASHPO
CEO Wallon Young, ASPA
CEO Chuck Leota, ASTCA
Chamber of Commerce

THMC will update EO to include the Governor's Resilience Office and DMWR.



HM Council was first established in 2002

Role and Responsibility of the HM Council:

- Identify the territory's risk and vulnerabilities to reduce loss of life and property from a natural disasters
- Actively pursue funding sources
- Promote mitigation strategies and best practices
- Oversee continual update to the HM Plan

Prioritizing Resilience

Territorial Hazard Mitigation Council



HM Program Process

1. Call of Projects

- All ASG Departments are notified
- Advertisement in Samoa News

2. Project Proposals

- Dept. to submit project proposals
 - Project description
 - Cost Estimate
 - Identify hazard(s) or risk(s)
- Dept. to rank their projects

3. Project Presentations

- Dept. to present their projects to the HM Council

4. Prioritization of Projects

- Projects are scored
- Priority is based on highest score

5. Selection for Funding Opportunity

- Dept. are notified to begin application process

Action Prioritization Scorecard

- Rapid but thorough evaluation for each proposed action
- Reduces subjectivity and bias
- Numerical scoring across 3 categories:
 - *Relevancy*
 - *Resiliency*
 - *Cost & Time*

Scoring and Ranking Parameters:

- | | |
|------------------------------------|---------------------------------------|
| 1. Consistency with HMP objectives | 6. Scale of benefits |
| 2. Hazard(s) addressed | 7. Nature-based solutions |
| 3. Other Territory initiatives | 8. Climate change / future conditions |
| 4. Scope of benefits (people) | 9. Cost effectiveness |
| 5. Scope of benefits (property) | 10. Urgency |

American Samoa Territory Hazard Mitigation Plan Action Prioritization Scorecard		
Action Title:		
Lead Department:		
Parameter	Scoring Criteria	Score
Relevancy		
1 Hazard Mitigation Plan Objectives	5 – Directly supports multiple objectives 3 – Directly supports one objective 1 – Consistent with but not linked to current objectives 0 – Inconsistent with current objectives	
2 Hazard(s) Addressed	5 – Mitigates high risk hazard(s) 3 – Mitigates moderate risk hazard(s) 1 – Mitigates low risk hazard(s)	
3 Other Territory Initiatives	5 – Explicitly supports other Territory or partner initiatives 3 – Consistent with other Territory or partner initiatives 0 – Not directly related to other Territory or partner initiatives	
Relevancy Subtotal (max score = 15)		
Resiliency		
4 Scope of Benefits (People)	5 – Benefits most of the population (more than 25k people) 3 – Benefits large portion of population (5-25k people) 1 – Benefits small portion of population (less than 5k people)	
5 Scope of Benefits (Property)	5 – Benefits multiple critical facilities or community lifelines 4 – Benefits at least one critical facility or community lifeline 3 – Benefits multiple properties 1 – Benefits only one property 0 – No direct benefit to property	
6 Scale of Benefits	5 – Territory 4 – Island 3 – County 2 – Village 1 – Site-specific (building/parcel level)	
7 Nature-Based Solutions	5 – Specifically designed to conserve/employ natural resources 3 – Promotes conservation/employment of natural resources 0 – No effect on conservation/employment of natural resources	
8 Climate Change and Future Conditions	5 – Specifically designed to address climate change/future conditions 3 – Promotes resilience to climate change/future conditions 0 – No consideration of climate change/future conditions	
Resiliency Subtotal (max score = 25)		
Cost & Time		
9 Cost Effectiveness	5 – Highly cost-effective 3 – Moderately cost-effective 1 – Cost-effectiveness unknown or in doubt	
10 Urgency	5 – Extremely urgent 3 – Fairly urgent 1 – Not urgent	
Cost & Time Subtotal (max score = 10)		
Scoring Summary		
		Relevancy Subtotal
		Resiliency Subtotal
		Cost & Time Subtotal
		Total Score

CURRENT PRIORITY LISTING

Hazard Mitigation Council: HM Projects		Prioritization of FY2022			
RANK	DEPT	PROJECT	LOCATION	COST	Notes
1	ASDHS - 1	TSUNAMI SIREN SYSTEM	Island wide	\$6,000,000.00	FEMA Review; BRIC FY2021
2	DPA - 2	RUNWAY SHORELINE PROTECTION	Tafuna	\$5,000,000.00	
3	DPA - 4	AUNU'U WHARF RECONSTRUCTION	Aunu'u	\$2,500,000.00	FEMA Review - BRIC FY2021; Pending Review- DOT RFP
4	DPA - 3	PORT RESURFACING	Fagatogo	\$25,000,000.00	ARPA Funding
5	DPA - 1	FALEASAO WHARF STRUCTURE	Faleasao	\$25,000,000.00	
6	ODAPM	LEONE COASTAL	Leone	\$3,000,000.00	
7	DPA - 5	OFU AIRPORT	Ofu	\$2,500,000.00	
8	ASCC - 1	ASCC FLOOD DRAINAGE	Malaeimi	\$1,000,000.00	FEMA Review; BRIC FY2021
9	DPW - 10	#2 Landslide: Rte.6 (Afono,Masefau), Rte.1 (Matuu,Gataivai)	Afono, Masefau, Matu'u and Gataivai	\$4,600,000.00	
10	DPW - 3	COST U LESS DRAINAGE	Ili'ili	\$5.0M	FEMA Review; BRIC FY2021
11	ASPA - 3	Standby Generators for Water Wells, booster Stations, Sewer Lift Stations and Evacuation Shelters & Centers	Island Wide	\$1 million	
12	ODAPM	LEONE VILLAGE STREAM	Leone	\$3,500,000.00	
13	ASPA - 2	Feeder-9 Overhead to Underground Primary Line Conversion	TPP - Futiga 3 Way, Ili'ili Road	\$4.9 million	FEMA Review; BRIC FY2021
14	DOC - 1	Management of the American Samoa Centralized Geodatabase	Island wide	\$150,000.00	FEMA Review; BRIC FY2021

CONT. PRIORITY LISTING

15	ASPA - 1	Feeder-6 Overhead to Underground Power Line Conversion	TPP - Futiga 3 Way; Rte 1	\$4.9 million	FEMA Review; BRIC FY2021
16	DPW - 7	NUA-SEETAGA SHORELINE PROTECTION	Nua & Se'etaga	\$8.55M	Pending Review - DOT INFRA RURAL Grant
17	DPW - 13	LAULII SHORELINE PROTECTION	Lauli'i	\$3.5M	
18	ODAPM	FAGANEANEA STREAM	Faganeanea	\$3,000,000.00	
19	DPW - 4	ROUTE 001 MATAFAO TO GATAIVAI SHORELINE PROTECTION	Matafao & Gataivai	\$6.30M	
20	ODAPM	TULA ACCESS ROAD	Tula	\$1,500,000.00	
21	LBJ - 1	LBJ Hurricane Storm Panel Window Shutter System Project	Faga'alu	\$420,000.00	Proposed Project for DR4537
22	DPW - 14	ASILI SHORELINE PROTECTION	Asili	\$2.0M	
23	ASTCA - 4	TA'U UNDERGROUND BRIDGE	Ta'u	\$1,150,000.00	
24	DPW - 9	FATUOAIGA DRAINAGE	Ottoville	\$345,000.00	Work In Progress; Per DPW CHD
25	DPW - 12	ALAO TO TULA SHORELINE PROTECTION	Alao to Tula	\$3.0M	
26	DPW - 5	ROCKFALL RTE 9	Asili, Utumea, Poloa, Amanave	\$5,760,000.00	
27	ASTCA - 10	MALAEIMI UNDERGROUND	Malaeimi	\$1,150,000.00	
28	ASTCA - 2	AFONO UNDERGROUND	Afono	\$924,000.00	
29	ASTCA - 6	AMOULI UNDERGROUND	Amouli	\$1,232,000.00	

CONT. PRIORITY LISTING

30	ASTCA - 5	FAGA'ITUA UNDERGROUND	Fagaitua	\$2,217,600.00	
31	ASTCA - 7	BREAKERS POINT HARDENING	Lauli'i	\$1,150,000.00	
32	ASTCA - 8	ASILI UNDERGROUND	Asili	\$1,150,000.00	
33	ASTCA - 9	SE'ETAGA UNDERGROUND	Se'etaga	\$1,150,000.00	
34	DPW - 8	AUA SHORELINE PROTECTION	Aua	\$4.20M	Pending Review - DOT INFRA RURAL Grant
35	ASTCA - 3	TULA UNDERGROUND	Tula	\$1,150,000.00	
36	DPW - 6	VATIA SHORELINE	Vatia	\$6.50M	
37	DPW - 1	TUALAUTA DRAINAGE	Rte 1	\$13.0M	Possible CDBD-DR
38	ODAPM	STANDBY GENERATOR	Tafuna	\$200,000.00	
39	DPW - 2	FAGAIMA ROAD FLOOD MITIGATION	Fagaima	\$10.0M	Awarded through DR4357 - Need Local Match
40	DPW - 16	PERMANENT LANDSLIDE REPAIR ROUTE 005	Pago Pago	\$598,000.00	
41	DOC - 2	TAFUNA INDUSTRIAL PARK (TIP) ROAD IMPROVEMENT PROJECT	Tafuna	2.3 million	
42	DPW - 17	UTUMOA RIVER	Utulei	\$296,125.00	
43	LBJ - 2	LBJ Flood Prevention Swale Upgrade Project	Faga'alu	\$2,200,000.00	
44	DPW - 15	ILI'ILI DRAINAGE	Ili'ili	\$1,506,500.00	

**CONT. PRIORITY
LISTING**

45	DPW - 11	ASG-DOE FACILITIES ELECTRICAL UPGRADE	Various Locations	\$1,403,000.00	
46	DPW - 18	PERMANENT LANDSLIDE REPAIR ROUTE 11	Masausi	\$402,500.00	
47	DPW - 21	VAITELE STREAM	Nu'uuli	\$575,000.00	
48	DOA - 1	ALL BUILDINGS HARDENING FOR THE DEPARTMENT BOTH IN TUTUILA AND MANUA ISLANDS	Tafuna	\$420,000	
49	DPW - 19	AFONO CULVERT IMPROVEMENT	Afono	\$287,500.00	
50	OOSA	FAGAMOA MITIGATION	Island wide	\$2,100,000.00	
51	DPW - 20	AMOULI STREAM	Amouli	\$345,000.00	
52	DPW - 23	M&O Hardening	Tafuna	\$460,000.00	Proposed Alt. Project for DR4537
53	DPW - 22	PAVAIAI ELEMENTARY	Pavaiai	\$356,500.00	
54	ASTCA - 1	T&D BUILDING HARDENING	Tafuna	\$125,000.00	
55	TEO - 1	ROOF HARDENING	Tafuna	\$100,00.00	

Examples of Mitigation Strategies Implemented in the Territory:

Construction

- Flood Control / Drainage Project
- Hardening Utility Lines
- Hardening Roof
- Rockfall Mitigation
- Elevation Projects
- Storm Shutters
- Standby Generators

NON Construction

- HM Planning
- Outreach
- Building Codes



Past Projects

Hardening Infrastructure

ASTCA Underground from Futiga to Leone DCO



DPW Rockfall Mitigation



Past Hazard Mitigation Projects

Project Name

Hurricane Ofa, 1990, DR-0855	
2	Harden Tank Farm I
3	Underground Power Lines II
4	Underground Communication Lines II

Hurricane Val, 1991, DR-0927	
15	Harden Fitiuta Water Line
16	Harden Sewer Outfalls
17	Harden Satala Power Plant
18	Underground Power Lines I
19	Harden Tafuna Housing
20	Harden Hazmat Storage Areas
22	Harden PEACESAT Earth Station
23	Harden Public Safety Bldg.
25	Harden Ta'u-Faleasao Water Line
27	Harden DCI/KVZK Bldg.
28	Harden Tula Elementary School
29	Harden Procurement Warehouse
31	Underground Communication Lines I
32	Harden Tafuna Power Plant
33	Harden LBJ Hospital Windows
34	Harden Fagatogo Fire Station
35	Harden Vatia Elementary School
36	Harden High Court Building I
37	Harden High Court Building II
38	Harden Am Samoa Library Building
41	Harden OMV Building
42	Harden Tank Farm II
MO1	Territory Management Cost

Heavy Rainfall, Flooding, Landslides, 2003, DR-1473

1	ASPA-Underground Lines
M01	State Management Costs
Flood Subtotal	

Hurricane Heta, 2004, DR-1506

2	ASTCA-Underground Lines Rte. 1 to LBJ
3	ASTCA-Underground for ASPA to Airport
4	ASPA-Underground Lines Utulei Loop
5	TEMCO-Fagatogo Stream Flood Control
7	ASPA-Underground Lines Rte. 1 to LBJ
8	DOE Hardening Government Buildings
9	TEMCO-Fagatogo Stream Flood Control-A&E

Hurricane Olaf, 2005, DR-1582

1	ASTCA Underground Lines Ili'ili
2	Hardening Government Buildings Phase II
3	State Multi-Hazard Planning Grant
M01	State Management Costs
Olaf Subtotal	

Earthquake, Tsunami, 2009, DR-1859

1	HM Planning Update
M01	State Management Costs
#03	Futiga Underground
#04	Leone Underground
#05	Matu'u Stream
#07	Building Code Upgrade
Tsunami Subtotal	

Flooding, Landslides, 2014, DR-4192

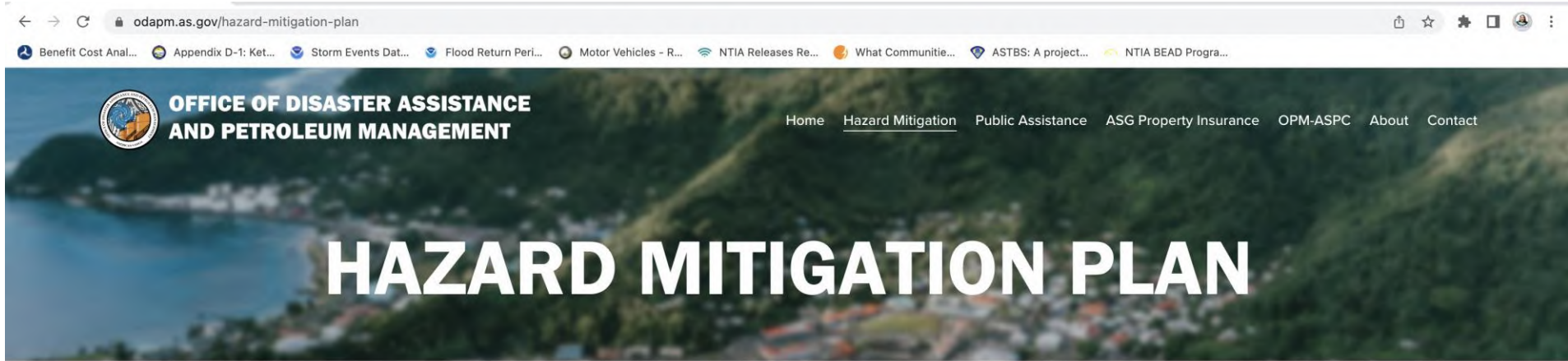
	Red Cross Storm Shutters
	State Management Cost
	Flooding Subtotal

Tropical Storm Gita, 2018, DR-4357

	Hazard Mitigation Planning
	5% Initiative – Outreach
	Fagaima Drainage
	Standby Generator

2022 Opportunities

Web	Web-based Hazard Mitigation Plan
Outreach	Outreach and Education
Lifelines	Prioritize FEMA Lifelines
Equity	Consider Social Vulnerability & Equitable Solutions
Funding	Find Funding Opportunities Beyond FEMA



Hazard Mitigation Plan

May 2020
Territory of American Samoa



ABOUT THE HAZARD MITIGATION PLAN

The American Samoa Hazard Mitigation Plan provides a comprehensive mitigation strategy for prioritizing projects, programs, activities that will save lives and reduce losses from the impacts of natural disasters.

This plan defines and analyzes roles and responsibilities, local capabilities, assess risk and vulnerabilities as well as provide a framework for informed decision-making regarding prioritization of mitigation projects that will ensure the protection of life and property.

In addition, this plan fulfills the Federal Emergency Management Agency's (FEMA) requirement for a mitigation planning process that first, ensures federal assistance to the people of American Samoa following future significant disasters, and second, allows the American Samoa Government to compete for federal mitigation program assistance annually.

FEMA Region IX, Mitigation Division has **approved** the *American Samoa Hazard Mitigation Plan* effective **June 9th, 2020**, in accordance with planning requirements of Title 44 Code of Federal Regulations (CFR) Section 201.4, Standard Hazard Mitigation Plan.

Chapters for download below.

odapm.as.gov/hazard-mitigation-plan

Risk Assessment



Critical Facilities – Tie to FEMA Lifelines



Cultural Resources – Bolster assets



Social Vulnerability – Integrate into assessment



*World War II Pillbox;
Source: noaa.gov*



Outreach and Education

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