

# MARINE CORPS BASE HAWAII Facilities Construction and Sustainment Program



**Society of American Military Engineers  
Honolulu Post**

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# MISSION

Project Power

Produce Readiness

Promote Resiliency

Protect Resources

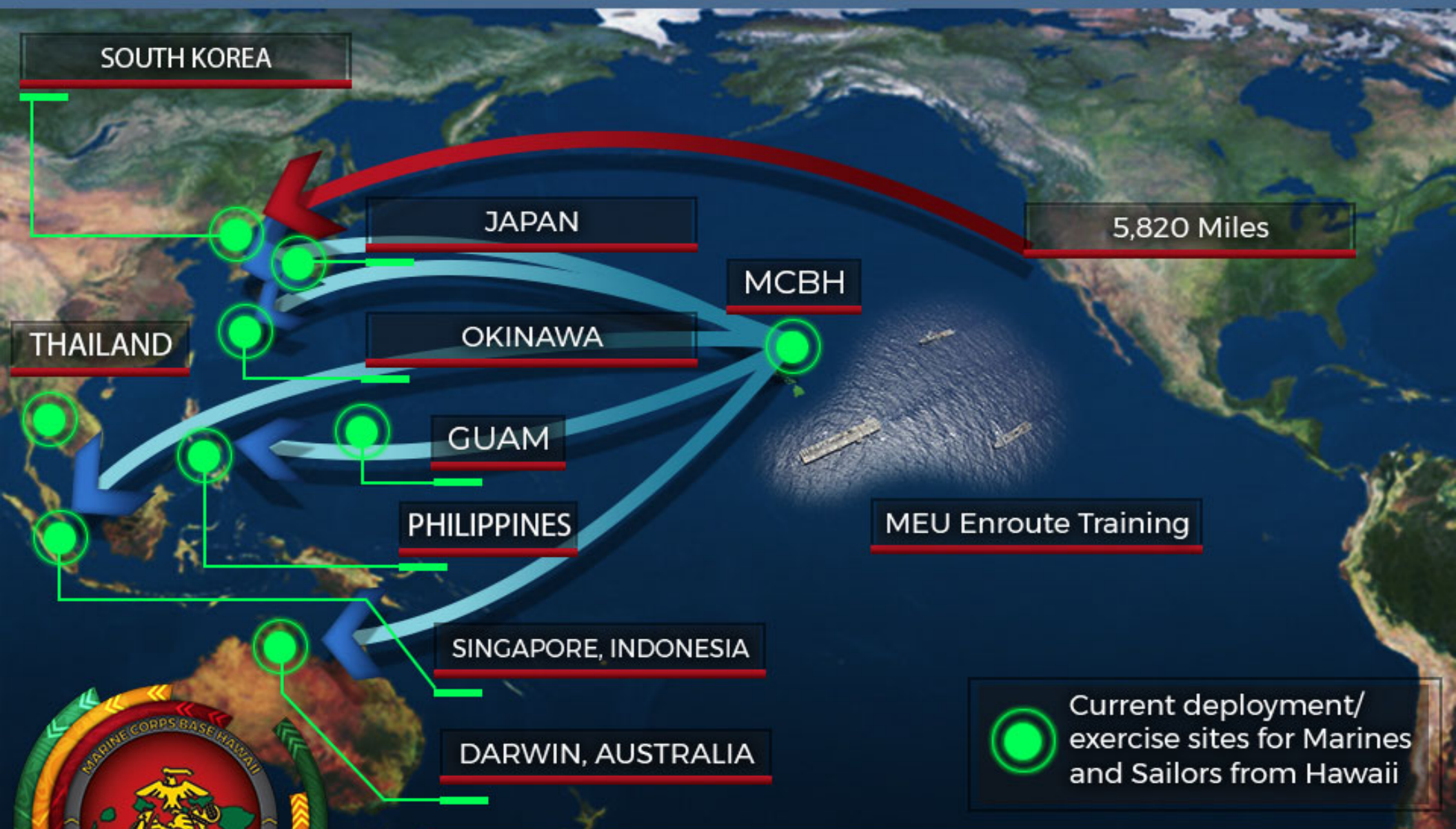


Marine Corps Base Hawaii provides forward-based, sustainable and secure training and operational support, facilities, and services to enable Operational Forces to accomplish their mission.

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# Trained, manned, and equipped – forward presence



**Deterrence** **Reassurance** **Ready to Fight**



# MCBH is not just Kaneohe Bay

Manana Housing,  
Pearl City



Waikane Valley

Camp Smith,  
Halawa Heights



Pu'uloa Range Training Facility,  
Ewa Beach



Marine Corps Base Hawaii,  
Kaneohe Bay



Marine Corps  
Training Area Bellows



Molokai  
Training  
Support  
Facility

Pearl City Annex

POPULATION	2022	2030
Active Duty	9,000	10,350
Family Members	7,000	8,100
Civilians/CTRs	2,000	2,600
<b>TOTAL</b>	<b>~ 18,400</b>	<b>~ 21,200</b>

15%



- A dispersed city of 4,670 acres that includes: 2,600 homes, an airport, industrial areas, ranges and training areas, retail, school/day care, marina, golf course.

- Over \$1.77B per year into the local economy.





# Force Design 2030 in Hawaii

## Outgoing Platforms



AH-1Z

UH-1Y

CH-53E



RQ-21

AAV

M777

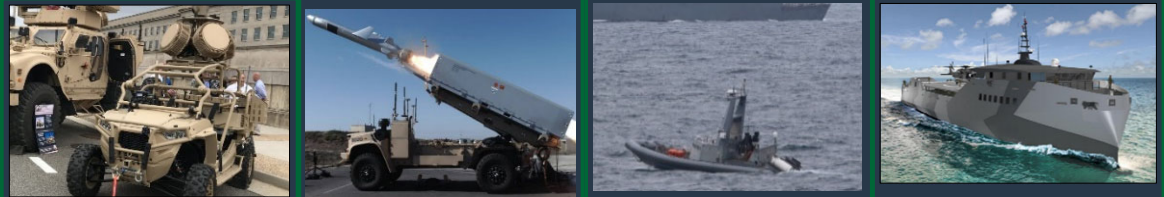
## Incoming Platforms



KC-130J

MQ-9

TPS-80



MADIS

NMESIS

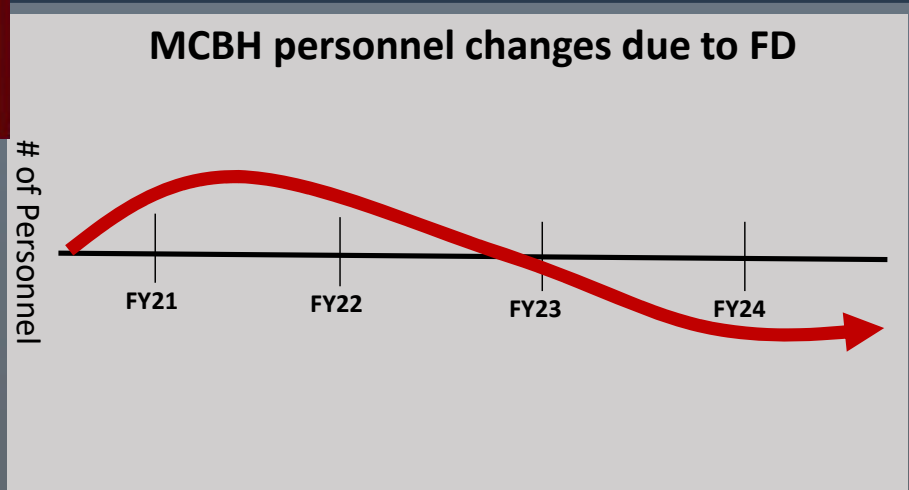
LRUSV\*

LAW\*

## Deactivating Units



## MCBH personnel changes due to FD



# Infrastructure for a Growing Force

## “A Tale of Two Cities”

NAS Kaneohe  
Pre-1940



MCBH  
2023

WWII facilities/infrastructure inadequate for the needs of our modern Warfighter

### The Old

- BEQs, Warehouses, Hangars, built in the 1930s
- Deteriorated roadways, electrical system, water lines

### The New

- Corrosion Control Hangar
- MLR Comm/Elec Facility
- Med/Den Clinic/MV-22 Hangars/Housing/BEQs



Modern BEQ

MCAS OPS Bldg



Note NAS Kaneohe in the late 1930s and compare it to modern day MCBH Kaneohe Bay - very similar, as much of the infrastructure remains and is still being used.





# Installation Planning Studies

- **Flight Line Optimization Study (Phases 1 and 2)**
  - Phase 1 – Completed Dec 2021.
  - Phase 2 – Ongoing. ECD Jan 2024.
- **Ground Unit Optimization Study**
  - Ongoing. ECD Jan 2024.
- **Installation Master Plan**
  - Comprehensive analysis of requirements and existing infrastructure. ECD Sep 2025.
- **EV Infrastructure and Water Security Studies**
  - Develop future projects for expected increase in EV vehicle usage and EO14057 requirements.
  - Improve availability of potable and non-potable water to sustain operations during potential outages.



# MCBH MILCON Program

## Awarded – Construction in Progress

FY	P#	PROJECT TITLE	LOCATION	COST (\$M)
2014	863	HMLA HANGAR (101) RENOVATION & APRON (COMPLETED)	KANEOHE BAY	\$44.2
2018	877	MOKAPU GATE ENTRY CONTROL AT/FP COMPLIANCE (COMPLETED)	KANEOHE BAY	\$16.4
2019	932	DISTRICT CHILLED WATER PLANT AND DOMESTIC HOT WATER, BLDGS 7000-7007 (COMPLETED)	KANEOHE BAY	\$4.3
2019	946	CORROSION CONTROL HANGAR (CCH) (COMPLETED)	KANEOHE BAY	\$53.5
2020	911	BACHELOR ENLISTED QUARTERS, PARKING STRUCTURE, STORAGE WAREHOUSE	KANEOHE BAY	\$117.8
2022	955	MILITARY WORKING DOG KENNEL (UMC)	KANEOHE BAY	\$7.8
2022	964	RAPPEL TOWER & OUTDOOR CLASSROOM (UMC)	KANEOHE BAY	\$7.8
2022	947	MCTAB PERIMETER SECURITY FENCE (UMC)	MCTA BELLOWS	\$8.5
2022	935U	CONFIDENCE (GAS) CHAMBER TRAINING FACILITY (UMC)	KANEOHE BAY	\$2.1
			<b>TOTAL</b>	<b>\$262.4</b>





# MCBH MILCON Program

## Short Range 1-3 years

FY	P#	PROJECT TITLE	LOCATION	COST (\$M)
2023	956	BACHELOR ENLISTED QUARTERS	KANEOHE BAY	\$50-\$100
2024	935	ELECTRICAL DISTRIBUTION MODERNIZATION, PH1	KANEOHE BAY	\$50-\$100
2024	973	BACHELOR ENLISTED QUARTERS	KANEOHE BAY	\$50-\$100
2024	986	AIRFIELD GUARD HOUSES (UMC)	KANEOHE BAY	\$5 - \$10
2025	2001	C-40 MAINT HANGAR & HANGAR APRON	KANEOHE BAY	\$100-\$150
2025	875	WRF COMPLIANCE UPGRADES	KANEOHE BAY	< \$150
2025	974	NEW AIRCRAFT HANGAR AND APRON (H103 REPLACEMENT) (FORCE DESIGN)	KANEOHE BAY	\$100-\$150
			<b>TOTAL EST.</b>	<b>\$505-\$760</b>



# MCBH MILCON Program

## Mid Range 4-10 years

FY	P#	PROJECT TITLE	LOCATION	COST (\$M)
2026	968	ELECTRICAL DISTRIBUTION MODERNIZATION, PH2	KANEOHE BAY	\$50-\$100
2026	1003	3D MLR ARMORY EXPANSION (FORCE DESIGN)	KANEOHE BAY	\$50 - \$100
2026	993	1 <sup>ST</sup> LAAD H&S CO COMPOUND	KANEOHE BAY	< \$100
2026	983	C-130 WASHRACK (FORCE DESIGN)	KANEOHE BAY	> \$50
2027	994	NMESIS FACILITY (FORCE DESIGN)	KANEOHE BAY	\$50 - \$100
2027	995	CONSOLIDATED SCIF (FORCE DESIGN)	KANEOHE BAY	\$50 - \$100
2028	876	FLIGHTLINE SECURITY AND AT/FP COMPLIANCE	KANEOHE BAY	> \$50
2028	997	ATC CO M COMPOUND (FORCE DESIGN)	KANEOHE BAY	\$50 - \$100
2028	878	CAMP SMITH ENTRY CONTROL AT/FP COMPLIANCE	CAMP SMITH	> \$50
2029	948	MALS-24 MAINTENANCE FACILITY (FORCE DESIGN)	KANEOHE BAY	< \$100
2029	1004	3D LAAB AC CO COMPOUND (FORCE DESIGN)	KANEOHE BAY	> \$50
2030	843	MULTI-PURPOSE TRAINING COMPLEX (FORCE DESIGN)	KANEOHE BAY	< \$100
2030	966	CONSOLIDATED PARALOFT AND DIVE/BOAT SHOP (FD)	KANEOHE BAY	< \$100
2030	951	NU'UPIA MAIN GATE ENTRY CONTROL POINT	KANEOHE BAY	\$50 - \$100
2031	912	BACHELOR ENLISTED QUARTERS	KANEOHE BAY	\$50 - \$100
2031	979	C-130 REFUEL PIT (FORCE DESIGN)	KANEOHE BAY	> \$50
2031	996	PLESS HALL RENOVATIONS	KANEOHE BAY	< \$100
2031	1006	CONSOLIDATED GCS COMPLEX (FORCE DESIGN)	KANEOHE BAY	> \$50
			<b>TOTAL EST.</b>	<b>\$1150 - 1500</b>





# Centrally Managed Program

## Awarded – M2/R2 Construction in Progress

Proj #	Project Title	Cost (\$M)
HI1722R	Bailey Road Pedestrian Safety Upgrade, Camp Smith	\$2.96M
HI2109M	Replace B4 Generator 2 and MS Switchboard, Camp Smith	\$5.89M
HI1602R	Construct Central Pedestrian Walkway	\$1.24M
HI1607M	Repair Hangar Fire Protection Distribution Line	\$9.08M
HI2039M	Repair BEQ Bathrooms Bldg 402, Camp Smith	\$1.97M
HI2038M	Repair BEQ Bathrooms Bldg 401, Camp Smith	\$4.00M
HI2204M	Repair Data Center at B208	\$6.96M
HI1621M/R	Bldg 1619 Repairs	\$4.76M
HI1513M	Repair Photography Bldg 267	\$6.29M
HI2218M	Repair WRF Secondary Clarifier, B892A	\$8.53M
HI2110M	Repair B81, MARFORPAC Telephone Exchange Bldg	\$2.76M
HI2045M	Interior Painting of Hangar 102	\$5.23M
HI422M	Repair Helo Parking Area	\$8.52M
HI0824M	Repair Restrooms Bldg 279	\$3.34M
HI2404M	Replace Roof, Bldg 5, Camp Smith	\$4.13M

~\$131M  
Total



# Centrally Managed Program

## Awarded – M2/R2 Construction in Progress

Proj #	Project Title	Cost (\$M)	
HI1634M	Repair Electrical Distribution Systems & Controls at WRF	\$6.11M	
HI2037M	Repair Fuel Pit for MV-22 Use	\$3.38M	
HI1741M	Van Pad 1A (Bldg 5037) Repairs	\$17.9M	~\$131M Total
HI2025M	Repairs to Dedicated Central Office, Bldg 213	\$7.61M	
HI2006M	Repair Automotive Org Shop, Bldg 3014	\$6.7M	
HI1805M	Repair Mess Hall, Bldg 1089	\$10.67M	
HI1807M	Repair Heavy Gun Shop B5000	\$2.7M	





# Centrally Managed Program

## FY24 M2/R2 Outlook

Proj #	Project Title	Target Award	
HI2301M	WRF Primary Digester	Q1	
HI2303M	Bldg 20 Switchgear and Generator Repairs, Camp Smith	Q1	
HI1724R	Install Backup Generators at Mess Hall, B1089	Q1	
HI2406M	Repair Bldg 500 Patio Foundation Deficiencies	Q1	
HI2044M	Officer Club Structural Repairs, Bldg 502	Q2	
HI0712M	Window Replacement Bldg 1, Camp Smith	Q2	
HI2402M	MWSD 24 Compound Utility Repairs, B373	Q3	~\$90M Total
HI2008M	Repair Misc Roads at MCBH Kbay	Q3	
HI1729M	Repairs to Water Distribution Line	Q3	
HI1747M	Post Office AC Bldg 6644	Q3	
HI1748R	Post Office Vestibule Bldg 6644	Q3	
HI2504M	WRF Disinfection System	Q4	
HI1307M	Repair Fire Station Bldg 4074	Q4	
HI1808M	Repair 1/12 Motor Pool Bay, Bldg 5001	Q4	
HI2116M	Replace Elevator 46 at B20, Camp Smith	Q4	
HI2305M	Repair East Side Installation Security Fence, Camp Smith	Q4	
HI1714M	Repairs to Storm Drain Storage System	Q4	
HI2403M	Repair Life Safety Egress Deficiencies for Bldg 80	Q4	



# Locally Managed Program

## FY23 M1/R1 Construction in Progress

Project Title	Cost
B1 Complex – Paint Front and Side, Camp Smith	\$2.6M
Replace Main Fire Alarm	\$269K
H105 Replace Fire Alarm Panel	\$1.5M
Renovate Conference Room #408, Bldg 1	\$371K
Replace Existing 1000 Gallon Used Oil AST	\$285K
B386 Provide DOAS System	\$2M
H105 Replace Existing 1000 Gal AST	\$285K
B7064 Replace AAON Chiller	\$1.35M
Replace Fire Alarm System	\$691K
Replace Effluent Flow Meter at WRF	\$784K
Repair Cormorant Avenue at Puuloa	\$1.27M
Provide Electrical Receptacles and Lighting to B627	\$234K
B6846 Install Side-Stream Filtration	\$215K
Replace B501 Fire Alarm Panel	\$115K
B20E Fire Alarm Panel Replacement, Camp Smith	\$180K
Replace UPS3 Switchgear	\$1.38M
Replace B600 Fire Alarm Panel	\$120K

Very Fluid  
Program  
Subject to  
Change

~\$30M  
Total





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# QUESTIONS

