

**FY13 SECRETARY OF DEFENSE ENVIRONMENTAL AWARD  
ENVIRONMENTAL QUALITY  
NON-INDUSTRIAL INSTALLATION**

**INTRODUCTION**

Our mission is to provide facilities and services that support combat readiness and promote the well-being, morale, and safety of military and civilian personnel that live and work aboard Marine Corps Base Hawai'i (MCBH). MCBH manages installations on 4,500 acres on O'ahu, including Camp Smith, Kane'ohe Bay, Marine Corps Training Area Bellows, Manana Family Housing, Pearl City Annex, Pu'uoloa Range Complex, and Waikane Valley. We support over 25,000 Marines, Sailors, retirees, civilian employees and family members working or living aboard MCBH.

Hawai'i is home to sensitive natural resources with over 25% of all endangered species in the United States. MCBH cultural resources significant to native Hawaiians are greatly valued by outspoken advocacy groups. MCBH Kane'ohe Bay is the most environmentally sensitive of all MCBH properties and includes Nu'upia Ponds (a protected Wildlife Management Area (WMA) and eligible National Historic Property) and Ulupa'u Crater WMA. MCBH is surrounded by pristine waters that are of tremendous importance to the lives and livelihoods of many Hawai'i residents; consequently, state water quality standards are more stringent than federal ones. Living coral reefs and threatened green sea turtles inhabit these waters, along with endangered humpback whales and Hawaiian monk seals. We face many environmental constraints, such as endangered species habitat, historic sites, digging restrictions and erosion-prone coastlines. Aircraft flight paths are governed by noise impacts and accident risks to adjacent communities totaling 120,000 residents.



**BACKGROUND**

MCBH has an uncommon beauty and biological/cultural diversity. In a remote island state with 25% of the nation's endangered species, we face high waste disposal costs, small recycling markets, strict environmental standards, stiff land/water access competition, and strong environmental advocates. Through partnerships, we cut costs, support training, reduce risks, enhance endangered species habitats, and gain regulator approval and community trust. Our skilled Environmental staff of 41 civilians, Marines and contractors manages Compliance, Conservation and Pollution Prevention programs and update and implement plans and permits. This is essential

for sustaining base operations and providing responsive support to our operating forces to enhance combat readiness, global power projection and quality of life. Per the Base

<b>ENVIRONMENTAL PROGRAM PLANS AND PERMITS</b>	
<a href="#">NPDES Storm Water Permit – Jan 07</a>	<a href="#">Pollution Prevention (P2) Plan –Sep 09</a>
<a href="#">NPDES Water Reclamation Facility – Jan 11</a>	<a href="#">Hazardous Waste Mgmt Plan – Apr 12</a>
<a href="#">Noncovered Source Air Permit - May 12</a>	<a href="#">Spill Prevention (SPCC) Plan – Feb 11</a>
<a href="#">Landfill Permit / Operations Plan – Sep 12</a>	<a href="#">Integrated Contingency Plan – Jan 12</a>
<a href="#">Solid Waste Management Plan – Mar 12</a>	<a href="#">Hazardous Material Mgmt Plan–Dec 11</a>

Commanding Officer (CO), environmental protection is not only the responsibility of the Environmental Department, but of all MCBH subordinate commands, tenants and personnel. The CO's Environmental Policy statement is displayed prominently throughout the base to emphasize senior leadership's commitment to environmental excellence and stewardship. A 2013 Headquarters Marine Corps (HQMC) Environmental Compliance Evaluation certified that MCB Hawai'i's Environmental Management System remains in conformance with HQMC criteria.

**PROGRAM SUMMARY – “Base-wide Environmental Management System Integration and Sustainability”**

Our environmental achievements are worthwhile only if we can sustain these efforts through a successful, base-wide Environmental Management System (EMS) and Sustainability Program. We are well on our way to achieving goals specified in Executive Order 13514, *Federal Leadership in Environmental, Energy, and Economic Performance*, October 5, 2009, and have completed an Integrated Strategic Sustainability Performance Plan (ISSPP). Annual EMS self-audits/management reviews identify improvement areas, set goals to increase performance, and monitor progress. We prioritize environmental aspects and set targets and objectives to mitigate impacts and sustain long-term mission goals. We provide environmental/energy guidance to over 450,000 people through standard operating procedure (SOP) classes, the *Hawai'i Marine* Base newspaper, Base website, e-mail, marquees, brochures, New Arrivals Briefs, Commanders' Breakfasts, and Earth Day and Health Fair events.

* Self-Sustaining Energy Generation*	* Reduced Energy and Potable Water Consumption*
* Net Zero Waste*	* Increased Use of Alternative Fuels and Vehicles*
* Efficient Use of Training Lands*	* Environmental Stewardship*      * Expansion of Training Opportunities*

Despite situations where military training requirements, environmental regulations, and shrinking funds conflict, we strive to develop solutions that are mutually beneficial in sustaining mission readiness and environmental stewardship. Our ISSPP provides a framework to ensure the longevity of energy, land, air, water, and other resources which are critical to our Marines' ability to train and operate--today and in the future. Our ISSPP addresses all sustainability mandates, and organizes projects and business practices to meet those mandates and ensure the long-term viability of the base by focusing on base cross-functional goals and objectives.

• **LEED Buildings Conserve Energy/Water, Reduce Environmental Impacts, and Enhance Quality of Life**

**Constructed Bachelor Enlisted Quarters,  
P-749/750 Design-Build \$43M**

- ✓ LEED Silver Certification
- ✓ 30% More Efficient than ASHRAE Standards
- ✓ Cool Roofs with Solar Photovoltaic (PV) Tiles
- ✓ Air Conditioning Occupancy Controls
- ✓ Indoor Air Quality Management
- ✓ Day Lighting and Lighting Controls
- ✓ Efficient, Night Sky Friendly Lighting
- ✓ Enhanced Commissioning



- **Maintain and Improve Hazardous Materials (HM) Inventory, Ordering and Delivery for Base, Tenant and Visiting Commands.** We provided training to CLB-3, Marine Aircraft Group 24, and 3<sup>rd</sup> Marine Regiment for pre- and post-deployment activities to reduce HM ordered and hazardous waste (HW) generated. HM support to an Army aviation unit resulted in completing painting and putting planes back in service ahead of schedule. Provided after-hours support to visiting squadrons and tenant commands in preparation for deployments to Afghanistan and Unit Deployment Program, and 24-hour support of Rim of the Pacific (RIMPAC) operations.

• **Maximize Alternative Fuel Vehicle Fleet**

- ✓ 42 Low-Speed Electric Vehicles on-site, Vehicle-to-Grid initiative to connect charged batteries to the grid in the works
- ✓ 3 Electric / Gasoline Hybrid Vehicles
- ✓ 87 E-85 Flex-fuel vehicles / E-85 Dispenser/Storage in use
- ✓ 3 GM Hydrogen Fuel Cell Vehicles / Dispenser construction complete in February 2014, PV for dispenser power in the works
- ✓ Transitioned to B-20 Bio-Diesel



**CO's Hydrogen Fuel Cell Vehicle**

- **3<sup>rd</sup> Marines Conducts Essential Training While Promoting Wildlife Habitat.** The Environmental Department and 3<sup>rd</sup> Marines' Combat Assault Company (CAC) perform annual "Mud Ops" to promote training capability and enhance wildlife habitat. The CAC gains valuable experience operating their Amphibious Assault Vehicles (AAVs) while also removing invasive pickle weed from the mudflats for the endangered Hawaiian Stilt breeding season. Annual increases in stilt population have led to positive regulatory agency feedback and are a positive example of collaborative conservation and combat readiness.
- **Executed a Programmatic Agreement to Support MV-22 Osprey and H-1 Tactical Helicopter Squadrons.** MCBH successfully executed a National Historic Preservation Act Section 106 Programmatic Agreement (PA) culminating two years of complex consultations, enabling execution of nine Military Construction (MILCON) projects to support "Basing and Operations of MV-22 and H-1 Aircraft". After a two-year period of consultation with 44 consulting parties, this Section 106 consultation process was successfully completed with the execution of a PA among MCBH, the U.S. Navy, the U.S. Army, the Hawai'i State Historic Preservation Office, the Advisory Council on Historic Preservation, and a Native Hawaiian organization.

**Widespread Training Impact.** The Section 106 process included more than 100 meetings held via face-to-face and phone conference at multiple locations across the state. The proposed undertaking included basing and operations at MCBH Kane'ohe Bay, as well as aviation training at other Marine Corps properties in Hawai'i, U.S. Army's training areas on Oahu (Kahuku, Kawailoa, and Schofield East Range) and Hawai'i Island (Pōhakuloa Training Area), and Navy's Pacific Missile Range Facility on the island of Kaua'i. The team made determinations of effects for nearly a hundred different historic properties and collaborated with consulting parties to mitigate and resolve impacts.

**Effective Community Partnering.** The consulting parties brought varying opinions and comments to the consultation meetings, the majority of which were emotional, negative, and opposed to the proposed undertaking. No matter how contentious or oppositional the consulting parties were towards the Marine Corps and the proposed undertaking, we ensured that their opinions and comments were heard, recorded, and thoroughly considered before final decisions were made. Based on consulting party input, the proposed undertaking was altered and revised and the Marine Corps committed to a program of mitigation that all Programmatic Agreement signatories could agree to, ultimately allowing for execution of the proposed undertaking to effect major changes and upgrades to aviation training at MCBH Kane'ohe Bay.

- **Developed/Implemented Encroachment Control Plan.** We partner with the community, regulatory agencies, and military organizations to minimize operational impacts on encroachment factors (clean water, wetlands, air quality, and noise) and implement best management practices to maintain and increase mission sustainability.

## **Pollution Prevention (P2) and Waste Reduction Efforts**

**Environmental Compliance In Support of Mission Readiness.** Complying with regulations governing wastewater generation, storm water discharges, solid waste disposal, and air emissions is essential if we are to maintain our full operational capability, maximize training opportunities and enhance community support. We meet Department of Health (DOH) requirements for our storm water, Wastewater Treatment Plant (WWTP), air and landfill permits by performing field surveys, promoting best management practices (BMPs), conducting methane and groundwater monitoring, tracking paint usage, and inspecting dumpsters, satellite accumulation areas, and pollution prevention equipment. No significant findings were identified during EPA and DOH enforcement inspections for hazardous waste, storm water, air quality, landfill and underground storage tanks (UST).

**Operating Plant and Facility Improvements** - MCBH continues to develop, plan and execute environmental projects to improve and maintain aging and inadequate facilities to support the readiness of our operating forces. We awarded, completed, or are near completion on over \$13M worth of design and construction projects.

- COMPLETED: \$1M Operational Range Clearance Projects – Executed projects to remove over 43 tons of lead, munitions and scrap metal from five Kane'ohe impact areas and ranges and three Pu'uloa Training Facility ranges to enable safer and more efficient use of all ranges and access to a proposed demolition range.
- COMPLETED: \$770K Influent Pump Station Repairs – To maintain optimal WWTP operation and compliance with National Pollutant Discharge Elimination System (NPDES) permit requirements.
- IN CONSTRUCTION: \$8.7M WWTP Electrical Repairs – To provide backup emergency power, replace aging equipment, reduce maintenance downtime, and increase electrical capacity for future redundancy projects.
- IN CONSTRUCTION: \$650K Watershed Restoration Project – To restore 1.5 acres of the Waimanalo Stream floodway, reduce flood events that affect our adjacent neighbors, and remove highly invasive plants that once overwhelmed the floodplain and stream banks and replace them with native dryland and riparian plants.
- IN DESIGN: \$1.6M Stream Dredging Project – To remove 30,000 cubic yards of sediment/soil over half a mile to improve stream health by removing heavy vegetative growth and debris and alleviating stagnant waters that breed mosquitos. The free flowing stream will provide training opportunities for the military.
- AWARDED: \$230K Range Erosion Study – At the Pu'uloa Range Training Facility located on the southern shores of O'ahu, a shoreline erosion study is being conducted to identify mitigation measures to halt and restore the loss of 25 feet of Pu'uloa Range Training Facility's beach and shoreline. Erosion has already reached the backside of lead-filled impact berms that supports small arms training.

***Process Changes and Source Reduction Yield Significant Cost and Labor Savings:***

**Weapons Cleaning** – We clean over 3,000 weapons per week at base armories using weapons cleaning system tanks that use non-toxic solvent that is reused through circulation and filtration. Cleaning time is reduced by 50% over the old way of cleaning with Q-tips, rags and toxic solvent. This saves 360,000 Marine hours per year to be redirected towards mission essential duties. The equivalent labor savings is over \$4M. To further reduce waste and disposal costs, we purchased six Bio-Circle parts cleaning systems that use specialized micro-organisms to break down hydrocarbons into water and carbon dioxide.

**Lead Acid Battery Charging and Anti-Freeze Distillation** – Each year we achieve \$50K in material purchase and disposal cost avoidance by reconditioning used tactical vehicle batteries and distilling antifreeze for reuse.

**Alternative Landfill Cover** - We used over 600 tons of mulch (chipped wood and green waste) as alternative daily landfill cover resulting in \$30K savings from purchasing soil for daily cover.

***Protection of Human Health and the Environment:***

**Spill Response** - Transport and storage of fuel is critical to continued base operations and military readiness because catastrophic oil or hazardous substance spills could result in health and ecological impacts, reduced base operations or even base closure. Through annual Facility Response Team Training and weekly spill equipment deployment drills, we train our on-water response team to effectively protect the highly sensitive areas surrounding MCBH. We conduct annual large-scale Spill Management Team Training exercises with city, state, federal and Coast Guard agencies, and the community to enhance our spill response readiness. Our spill team is recognized as **one of the best in DoD** and the primary spill response team on the windward side of O'ahu.

**Air Emissions Reduction** – We use paint gun washers, steel grit blasters, high-volume low-pressure paint guns, antifreeze recyclers, plastic blast media, aqueous parts washers, and dry filter paint booths to reduce or eliminate emissions during painting, corrosion control, fluid change out, degreasing, and surface cleaning. We employ a heated paint stripping system to save aviation personnel time stripping parts and prevent exposure to methylene chloride, a hazardous air pollutant and suspected human carcinogen. Our mess hall boilers use bio-diesel B20 fuel.

**Soil and Ground Water Sampling** – We conduct soil and groundwater sampling to clear restoration sites for development. Cleanup projects supported construction of MILCON P-884 Aviation Simulator Training Facility and MV-22 MILCON P-904/905, development of a multi-purpose training center at a former landfill, and Marina improvements projects. In accordance with our landfill permit, we conduct groundwater and methane monitoring with results within regulatory and permit limits and awarded a \$350K contract for 4 additional years of monitoring.

**Drinking Water Protection** - We maintain an excellent record of compliance with the Safe Drinking Water Act Regulations with no Tier I and Tier II violations. We purchase our water from the Honolulu Board of Water Supply, chlorinate and fluoridate it once it enters the base water system, and conduct weekly fecal coliform counts, test for tri-helomethanes and submit reports to DOH. Our results confirm that our water is safe to drink. Results of DoD-mandated drinking water testing also confirmed that perchlorates are not present in our drinking water supply.

**Recycling Efforts and Accomplishments** - We processed and sold over 330,000 pounds of brass earning over \$480,000. We collected over 1,500 tons of cardboard, appliances, aluminum cans, plastic and glass bottles, wood, white paper, newspaper and steel generating over \$230,000. We used an industrial plastics shredder to divert and sell 20 tons of shredded sonobuoy tubes and divert other plastic to our island's waste-to energy H-POWER plant.

**Furniture Donations and Diversion** – We strive to divert waste and benefit others in need. We donated beds and furniture to worthy non-profit organizations. We recycled 300 mattresses and diverted over 280,000 pounds of furniture and appliances for government sale

**Food Recycling** – We diverted over 2,200 tons of food from the base landfill by recycling Commissary, Enlisted Mess Hall, Officers' Club, Staff NCO Club, Enlisted Club, and Food Court vendor waste for use as pig feedstock.

**Munitions** – Our Recycling Center serves as a one-stop drop-off for munitions debris which is inspected by highly trained staff to ensure unfired rounds and down range projectiles are identified and removed prior to disposal processing and that key components are properly demilitarized. We reduce the time war fighters spend on disposal, increase their ability to train, and ensure the safe and compliant movement of munitions material.

## **Environmental Compliance Assessment and Management Program**

**Assessments, Inspections, and Funding Requirements.** We programmed funding and resolved minor deficiencies found in annual self-audits and the April 2013 headquarters Environmental Compliance Evaluation. DOH and EPA identified no significant findings in storm water, UST, air, landfill, and hazardous waste Compliance Inspections. Our headquarters Range Environmental Vulnerability Assessment 5-Year Review of our operational ranges at MCBH Kane'ohe Bay, Marine Corps Training Area Bellows, and Pu'uloa Range Training Facility concluded that there is no immediate threat to identified human and ecological receptors and no need for further assessment. Our annual budget averages \$5 million including operational expenses, training, maintenance, service contracts and compliance projects funded through our operating budget, centrally managed environmental program (CMEP) and inter-service support agreements. We obligate funds promptly, carefully monitor execution and evaluate our budget needs periodically and request operating budget supplements and CMEP funding as necessary. We identified our budget requirements through 2020 in Program Objective Memorandum (POM) 2016.

**Water Resource Management and Efficiency.** Water consumption is 33% below the FY2007 baseline which exceeds the 2015 16% reduction goal. We are repairing our chlorination system which will further reduce our water use with 600,000 gallons of treated effluent available for our golf course each year. We replaced water mains and almost all of the waterlines in the family housing areas to significantly reduce water leakage and overall water consumption. The Energy Savings Performance Contract, which replaced high-flow showerheads and aerators with low-flow compensating units, provides over \$15K in annual savings. Through comprehensive water audits we identified and programmed water efficiency projects. Water efficiency measures and equipment and water metering are included in all new construction and building renovation projects. Water conservation efforts continue through active awareness and monitoring programs.

***Sustainable Operations and Programs.*** MCBH strives to sustain and enhance military readiness for base and tenant activities while ensuring compliance with environmental regulations. This is the primary goal of our base EMS. We utilize upfront planning to ensure that resident and transient unit **training activities remain environmentally compatible while fulfilling mission requirements.** We conducted environmental assessments of new training requirements, developed Geographic Information System training map overlays of sensitive areas, worked closely with state regulators and natural/ cultural resource trustees, advised training units on environmental “do’s and don’ts”, and followed up with periodic inspections. This enabled base, tenant and visiting commands to conduct realistic training with minimal environmental impacts, including the following training exercises:

- III MEF exercises at Pohakaloa Training Area / Weekly training at Ulupa’u Weapons Range
- Small unit exercises and vehicle obstacle course at MCTAB / Small arms training at Pu’uloa Range Facility
- Small SOC Sustainment Training for 11<sup>th</sup>, 13<sup>th</sup>, and 15<sup>th</sup> MEU elements / RIMPAC Exercises
- SOCPAC and PACOM exercises for 1<sup>st</sup> Battalion, 1<sup>st</sup> Special Forces group, 353<sup>rd</sup> Special Operations Squadron, Naval Special Warfare Unit-1, and III MEF, SOTG forces
- Enhanced MOUT training environment with role players and interactive immersive training environment
- Marine Forces Pacific military research and technology initiatives and testing

***Training and Outreach Programs.*** MCBH provides military and civilian personnel with a solid foundation of basic and specialized environmental knowledge and skills through the Comprehensive Environmental Training and Education Program (CETEP) to ensure compliance with regulations and safety of personnel and natural resources. Over 450,000 Marines, Sailors, civilians, on-site contractors, and family members received energy and environmental awareness training. Topics included the MCBH Environmental Management System, Energy Conservation, the Commanding Officer’s Environmental Policy, Natural/Cultural Resources, Recycling and Solid Waste, Pollution Prevention, Hazardous Material (HM) and Waste, Spill Response, and National Environmental Policy Act. We also host Civil Engineer Corps Officers School (CECOS) classes and other training. Unit commanders receive overview briefs at our Senior Leaders Course and shop level coordinators receive in-depth training. We publicize HM Minimization, Recycling and Reuse Center efforts through base newspaper and local television. We have an active outreach program at our base school to enlist a new generation of diligent recyclers.

## **Effective Use of Funds**

***Energy and Water Conservation*** – We received the Secretary of the Navy Gold Level of Achievement Award for outstanding energy and water management. Nearly \$500K in energy efficiency rebates and incentives were credited to the MCBH electric bill. Nearly \$200K per year in potential energy savings were identified by comprehensive building energy and water audits and retro-commissioning efforts and many no-cost/low-cost energy conservation measures were accomplished by base maintenance shops. Projects to install 390 Advanced Metering Infrastructure smart electric meters will conclude in early 2014 and projects to install water meters are in the works. We installed a Temporary Lodging Facility solar hot water system and a 32 KW building integrated photovoltaic (PV) roofing system. We tested solar streetlight technology using thin-film PV wrapped poles and installed 27 streetlights. We will complete a LED lighting retrofit project for 45 parking lots/areas in early 2014.

***Hazardous Material (HM) and Hazardous Waste (HW) Management*** - We awarded a comprehensive HM/HW 5-year contract totaling \$2.8M which saves \$200K annually over the previous contract, yet still provides more services to operate the HAZMIN Center and HW Facility, conduct waste management inspections, and perform battery reconditioning and antifreeze distillation. We consolidate HM base-wide, improve inventory control, eliminate order discrepancies, reduce operating costs and minimize HM use and waste generation. Rapid HM order/delivery supports our Marines and Sailors in combat-ready, operational conditions. We maintained 100% base-wide participation from base and tenant commands and **saved \$2.55M by diverting over 50,000 pounds of HM from disposal**, redistributing the excess at no cost to units and reducing the amount of effort by 50,000 hours.

## Community Relations

MCBH has long-standing partnerships and regular meetings with state and federal regulators, DoD agencies, community members, Native Hawaiian Organizations, and base tenants to reduce encroachment constraints and provide uncompromising support to MCBH war fighters. The Waikāne Valley Impact Area cleanup process began in 2007 and culminated in 2013 with the MCB Hawai'i Commanding Officer signing a Decision Document to conduct a remedial action, followed by the \$2.7M remedial action award. MCB Hawai'i successfully collaborated with the Waikāne Valley Restoration Advisory Board (RAB) during four RAB meetings and site visits to exchange information and address community concerns to focus on protection of, and accessibility to, cultural resources and artifacts in the area once inhabited and farmed by Native Hawaiian families.

***Dedicated Efforts to Support and Educate Our Community.*** We repair local public school buildings and playgrounds, read to school students, and actively coordinate and participate in beach clean-ups, waterbird surveys, invasive plant species eradication, and community enhancement projects. Our annual "Mud Ops" training receives extensive positive press coverage. We hosted over 5,000 visitors including community organizations, State regulators, NOAA, Sierra Club, DoD VIPs, scientists, and university students at outreach events showcasing our sustainability efforts. We partner with DOH regulators, Federal Fire Department, and local community businesses to feature displays and promote environmental conservation at our well-attended Earth Day community event. We hosted a High School Hikers Ecology Camp for students to enjoy nightly programs, assist with invasive plant removal, and tour MCBH's abundant natural resources. We published our waste and energy reduction, recycling, and environmental protection efforts in the *Hawai'i Marine*, which is distributed island-wide.

***Partnering Efforts Benefit All.*** MCBH serves on the Local Emergency Planning, State Emergency Response, and U.S. Coast Guard Committees for spill response planning, drills and exercises. We hold quarterly Hawai'i Sustainability and Pollution Prevention Partnership meetings with State, Army, Navy, Coast Guard and Air Force personnel to develop economical and innovative solutions to compliance issues. We joined a unique interagency/industry spill response "Clean Islands Council" cooperative, enabling access to a response center, specialized personnel, the state's best equipment, and spill drill assistance. We host secure facilities for a non-profit marine mammal program to rehabilitate or humanely destroy stranded whales and dolphins. We partnered with state agencies and the University of Hawai'i to perform coral reef assessments, protect endangered plants, conduct population genetics, and preserve and harvest seeds. We joined with the Office of Naval Research to develop and test a Micro Auto-Gasification System (MAGS) that can process 1000 lbs/day of waste for deployment to remote and expeditionary sites. We successfully tested the MAGS in the Philippines and at Pōhakuloa Training Area (PTA) on the island of Hawai'i. The goal is for all military agencies to use the MAGS when training at PTA.

## National Environmental Policy Act (NEPA)

Proposed actions vital to base operation, combat readiness and quality of life were reviewed with the majority (346) being approved at the categorical exclusion level. Environmental Department program managers reviewed environmental assessments (EAs) and Environmental Impact Statements (EISs) prepared by other departments and outside agencies. Subject matter experts facilitated, and in some cases were able to expedite the interagency consultation process because of credibility and amicable working relationships developed with regulatory agencies. We finalized or reviewed EAs and EISs in support of the following military training and quality of life projects:

- Basing MV-22/H-1 Aircraft in Hawai'i (EIS)
- Hawai'i Joint Services Solar Power Generation (EA)
- Ulupa'u Crater Explosives Training Range (EA)
- MCTAB Recreational Bow Hunting (EA)
- FT Hase Beach Archaeological Site Protection (EA)
- Wave Energy Test Site (EA)
- P-8 MMA Home Basing (Navy Supplemental EIS)
- Pali Kilo Beach Cottage Expansion (EA)
- MARFORPAC Headquarters and Operations Complex (EA)
- VMU-3 Relocation to Hawai'i (EA)
- PTA Urban Close Air Support Facility (EA)