



Online Open House Homeland Defense Radar–Hawaii (HDR-H)



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- Scoping Reopening Process
- Environmental Impact Analysis
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- Special Use Airspace
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Welcome and thank you for your participation in the public scoping process.

The Missile Defense Agency (MDA) is reopening the public scoping period for the HDR-H due to recent changes in alternative sites.

The online open house includes a presentation, links to additional information, and the opportunity to submit comments through April 12, 2021 to ensure their consideration in the Draft EIS analysis.

Comment Period: February 26 - April 12, 2021

How to Navigate

- ❖ Use the navigation bar on the left side of your screen to view key topics.
- ❖ Learn more about MDA and its mission.
- ❖ Comment on the proposal by clicking the “Comment” button at the top right of your screen. Once finished, click “Submit” to confirm your comment was sent.

COVID-19

Due to federal and state guidance and measures put in place to prevent the spread of COVID-19, MDA will not hold in-person public scoping meetings at this time.

This online open house was prepared to inform the public about the proposal and involve them in the reopened scoping process.



Missile Defense Agency Mission

To develop and deploy a **layered** Missile Defense System to **defend** the United States, its deployed forces, allies, and friends from missile attacks in **all phases** of flight



**Missile Defense Capability
Globally Deployed**



Missile Defense Agency Priorities

In Support of the National Defense Strategy



Support the Warfighter

Augment Service Readiness, Logistics Support, Training, and Lifecycle Sustainment



Develop and Deliver the Missile Defense System

Focus on Increasing Lethality, Building Out Missile Defense Force Structure, and Deploying Credible Deterrence



Outpace the Evolving Threat

Develop Architectures that Challenge Adversary Capabilities, Quickly Mature Promising Technologies, and Deliver with Speed

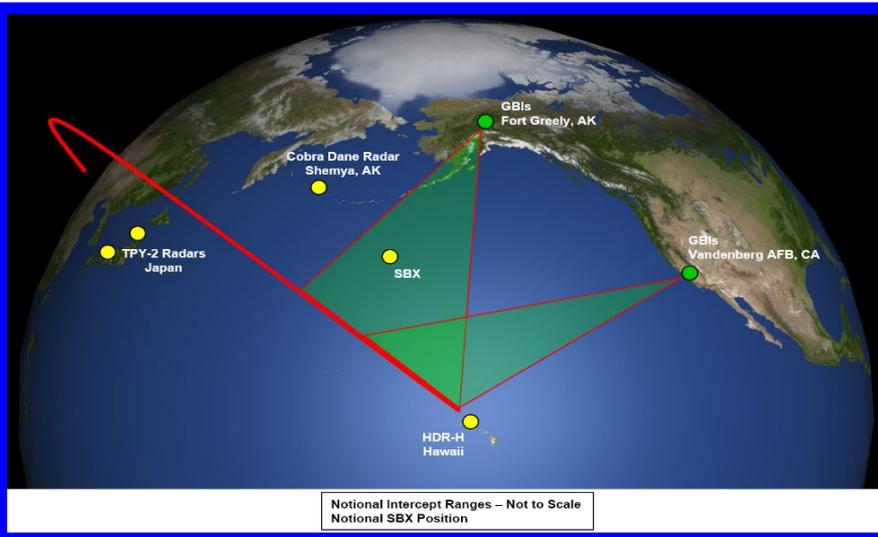


“A robust and credible layered missile defense system paired with our conventional and nuclear force capabilities provides the ability to deter strategic attacks, deny benefits, and impose costs against any potential adversary.”

-- Admiral Charles A. Richard, U.S. Strategic Command



How Missile Defense Works



- Missile defense provides a permanent presence in a region and discourages adversaries from using missiles to coerce or intimidate the United States and its allies.
- In times of crisis, missile defense can surge mobile missile defense capabilities into a region to deter and, if an adversary's missile is launched, protect critical assets and limit damage.
- MDA is required to develop a plan to construct and operate a discrimination radar to improve the defense of Hawai'i from ballistic missile threats.



Why is the HDR-H Needed?



THE WHAT

The National Defense Authorization Act (NDAA) Fiscal Year (FY) 2017 requires MDA to develop a plan to procure a discrimination radar, or equivalent sensor, for a location that will improve homeland missile defense for the defense of Hawai'i. A "discrimination radar" is capable of identifying and classifying specific missile threats. The NDAA FY 2021 authorizes MDA to continue Homeland Defense Radar-Hawaii (HDR-H) radar development and siting efforts. The FY 2021 Appropriations Bill provided funding to continue the efforts in FY 2021. Therefore, MDA is engaged in Advanced Planning studies and preparing an Environmental Impact Statement (EIS) for the siting and development of the HDR-H, should a deployment decision be made and is funded.

THE WHY

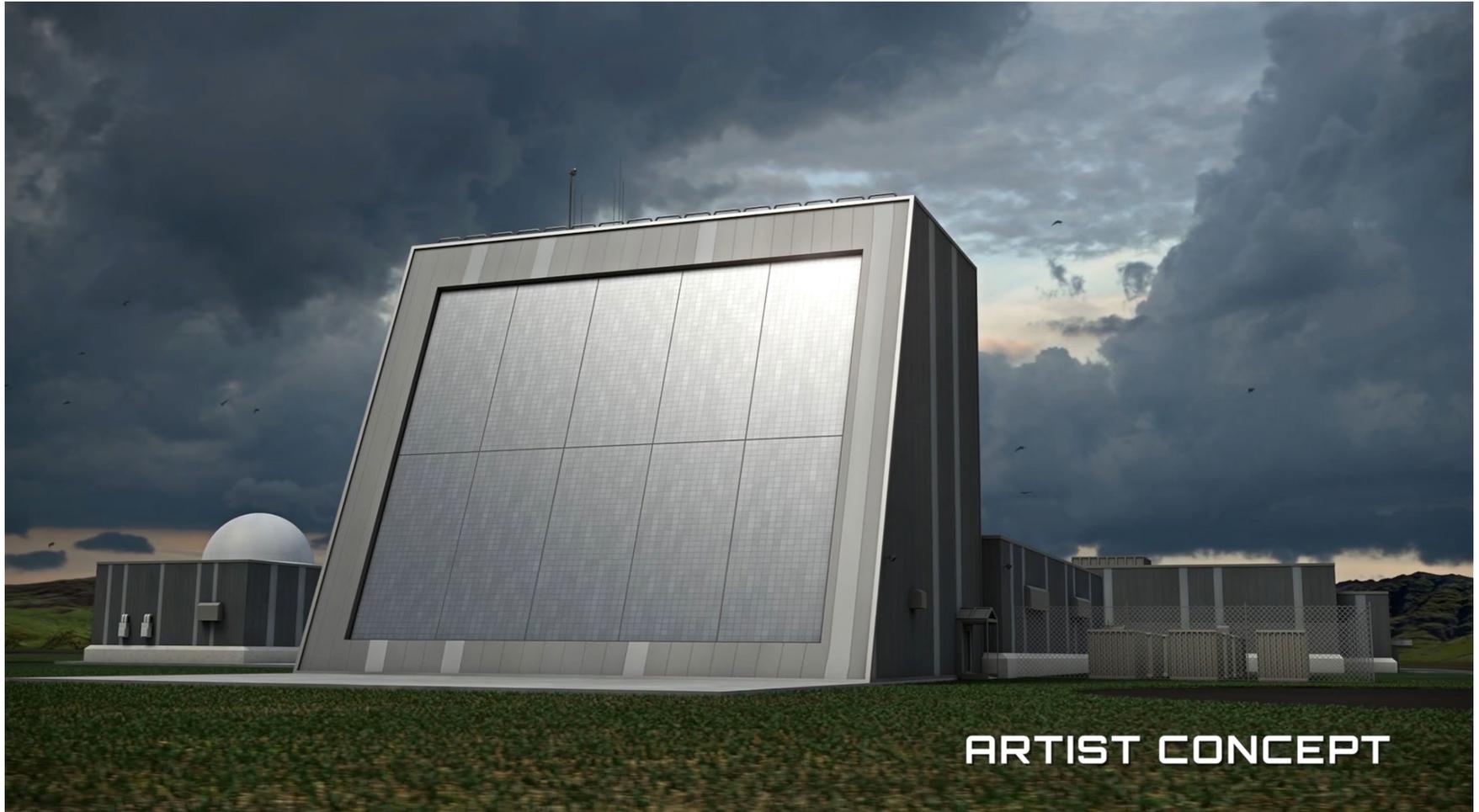
Strengthen United States missile defense capabilities

Increase the Missile Defense System effectiveness against future complex threats

Optimize support of the Nation's current defense system by tracking, identifying, and classifying missile threats to Hawai'i



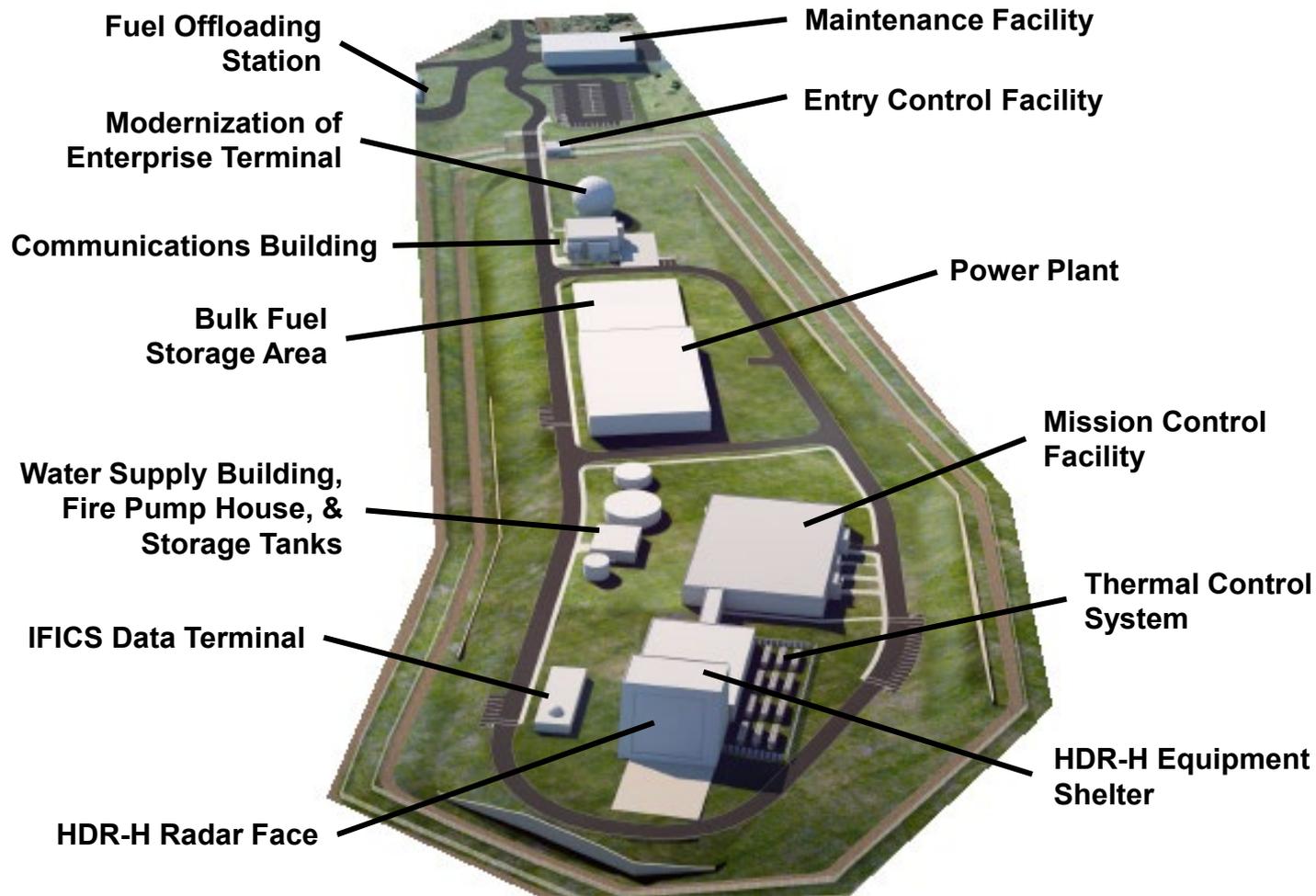
Notional Rendering of HDR-H





HDR-H System Facilities

Notional Layout of the HDR-H Complex





Alternative Sites Requirements

The development of alternative sites began with the identification of 46 Department of Defense sites on O‘ahu and Kaua‘i for consideration. Sites were either eliminated from further consideration or carried forward for further analyses based on whether they meet the exclusionary and evaluative criteria. Of the 46 alternative sites considered, two host installation sites were carried forward for analysis—one on O‘ahu (Kahuku Training Area Site 1), one on Kaua‘i (Pacific Missile Range Facility), and a No Action Alternative.

The screening criteria that were applied included:

- Maximize system and operational performance
- Satisfy MDA directives and guidance



Siting Alternative Changes

Since 2018, MDA has conducted additional and more intensive siting studies to confirm alternative sites and optimize facility planning and design. As a result:

Removal of KTA Site 2

- Operating HDR-H at KTA-2 would require the relocation of the Naval Research Laboratory (NRL), Opana site mission.
- The construction and full operation of the NRL, Opana site at a new location would be required prior to decommissioning the Opana site on O'ahu.
- Delay in decommissioning the existing NRL, Opana site would result in construction and operation schedule impacts too significant to overcome.

Addition of PMRF

- Further development of radar technical data for HDR-H suggested that potential impacts to PMRF's testing and training mission could be mitigated.
- A re-look of suitable sites at PMRF identified one site that would be viable for HDR-H operations.

Removal of the Kuaokalā Ridge Site

- The Kuaokalā Ridge site was eliminated from further consideration as a potential site for the HDR-H due to schedule risk related to siting issues.
- Portions of the Kuaokalā Ridge site are located on State of Hawaii Game Management Area lands and would require a long-term lease.
- The schedule uncertainty for obtaining a long-term lease did not meet the requirement for completing the HDR-H when needed.
- Additionally, the extreme topography at the site presents constructability challenges imposing further schedule risk.



Reopening of HDR-H EIS Scoping Process



2018 Scoping

- Public scoping meetings held in Hale'iwa, Wai'anae, and Honolulu.
- Sites carried forward for further review were: Kuaokalā Ridge, Kahuku Training Area (KTA) Site 1, and KTA Site 2.
- Public comment period held from June 1 to July 16, 2018.

2021 Scoping Reopening

- Public Online Open House Website
- Telephone Public Meetings (March 23 & March 25, 2021).
- Two sites on O'ahu were removed from further consideration (KTA Site 2 and Kuaokalā Ridge).
- A site at the Pacific Missile Range Facility (PMRF) on Kaua'i was added as an alternative site.
- Identification of proposed restricted airspace.
- If the HDR-H is constructed on O'ahu, the U.S. Air Force's Solar Observatory would be relocated from O'ahu to either Maui or Kaua'i.
- Public Comment Period: Feb 26 to April 12, 2021

All public comments will be considered in the upcoming Draft EIS



Environmental Impact Analysis

National Environmental Policy Act (NEPA)

- Requires federal agencies to identify and analyze potential environmental impacts of a proposed action before deciding whether to proceed with that action.
- Encourages and facilitates public involvement to obtain local knowledge and consider community issues and concerns, within the scope of analysis.

The HDR-H Environmental Impact Statement will comply with the provisions of NEPA.



HDR-H Environmental Impact Statement Process

The National Environmental Policy Act (NEPA) requires MDA to consider potential environmental impacts of the proposed action and alternatives and provide the public opportunities to comment.

1 Identify Sites

2 Prepare DOPAA

3 Publish NOI in FR

We are here →

4 Public Scoping → Prepare Draft EIS

5 Publish NOA in FR, DEIS to Public → 45-Day Minimum Public Comment Period

6 Public Review/ Meetings → Prepare Final EIS

7 Publish NOA in FR, FEIS to Public → 30-Day Mandatory Waiting Period

8 Release ROD/ Publish in FR

9 Implement Action

MDA will:

- Gather information about current environmental quality;
- Conduct studies, surveys, and research to analyze potential impacts of project to the environment; and
- Prepare Environmental Impact Statement, detailing the potential impact of proposed construction and operations.

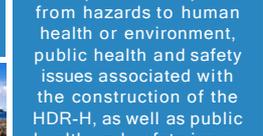
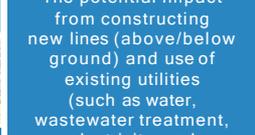
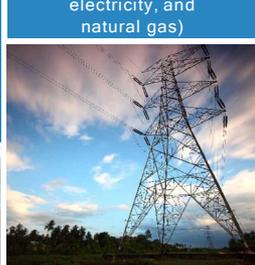
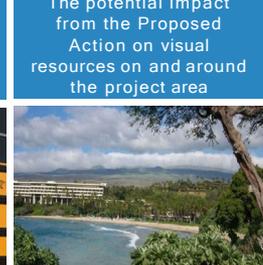
MDA recognizes the importance of environmental resources and local cultural and archaeological resources; we will work to minimize the impact of construction.

ACRONYM KEY

- DEIS: Draft Environmental Impact Statement
- DOPAA: Description of Proposed Action and Alternatives
- FEIS: Final Environmental Impact Statement
- FR: Federal Register
- NOA: Notice of Availability
- NOI: Notice of Intent
- ROD: Record of Decision



Environmental Resources To Be Analyzed

<p>Airspace & Air Quality</p> <p>The potential impacts on ambient air quality and airspace usage or encroachment issues</p> 	<p>Biological Resources</p> <p>The potential impacts on wildlife and vegetation</p> 	<p>Cultural Resources</p> <p>The potential impact on cultural resources, historic properties, and resources of traditional or cultural significance</p> 	<p>Hazardous Materials & Waste and Health & Safety</p> <p>The potential impact from hazards to human health or environment, public health and safety issues associated with the construction of the HDR-H, as well as public health and safety issues associated with the operation of the HDR-H</p> 
<p>Land Use & Recreation</p> <p>The compatibility of existing planned uses (existing, planned, and future) of the land footprint at the proposed site</p> 	<p>Water</p> <p>The potential impact on water resources (to include surface water, groundwater, wetlands, and floodplains)</p> 	<p>Transportation</p> <p>The potential impact on the movement of personnel, equipment, and materials to and from the project area</p> 	<p>Coastal Environment</p> <p>The potential impact on the coastal zone and its resources</p> 
<p>Geology & Soils</p> <p>The potential impact on geological and soil conditions in the vicinity of the project area</p> 	<p>Utilities</p> <p>The potential impact from constructing new lines (above/below ground) and use of existing utilities (such as water, wastewater treatment, electricity, and natural gas)</p> 	<p>Socioeconomics (including Environmental Justice)</p> <p>The potential impact on the population, employment, housing, schools, public services, and environmental justice</p> 	<p>Visual Aesthetics</p> <p>The potential impact from the Proposed Action on visual resources on and around the project area</p> 
<p>Noise</p> <p>The potential impact from any unwanted sound that can disturb routine activities and cause annoyance</p> 			

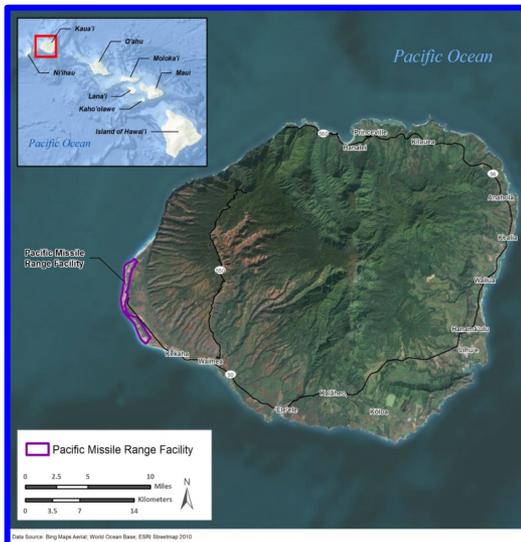


HDR-H Alternative Sites



Kahuku Training Area Site 1 – O‘ahu

- Near northern end of O‘ahu
- Located on northern slopes of Ko‘olau Mountain Range
- DoD property, U.S. Army–Hawai‘i managed training area

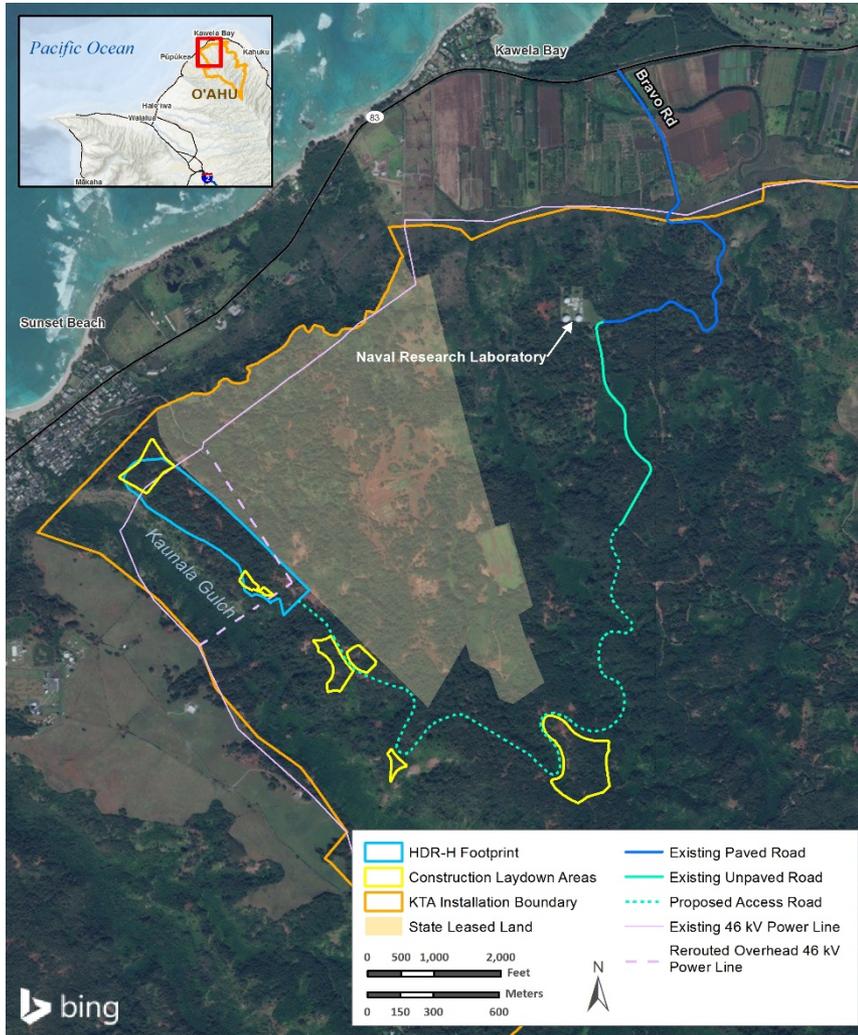


Pacific Missile Range Facility – Kaua‘i

- On western shore of Kaua‘i
- DoD property, U.S. Navy managed test and training range



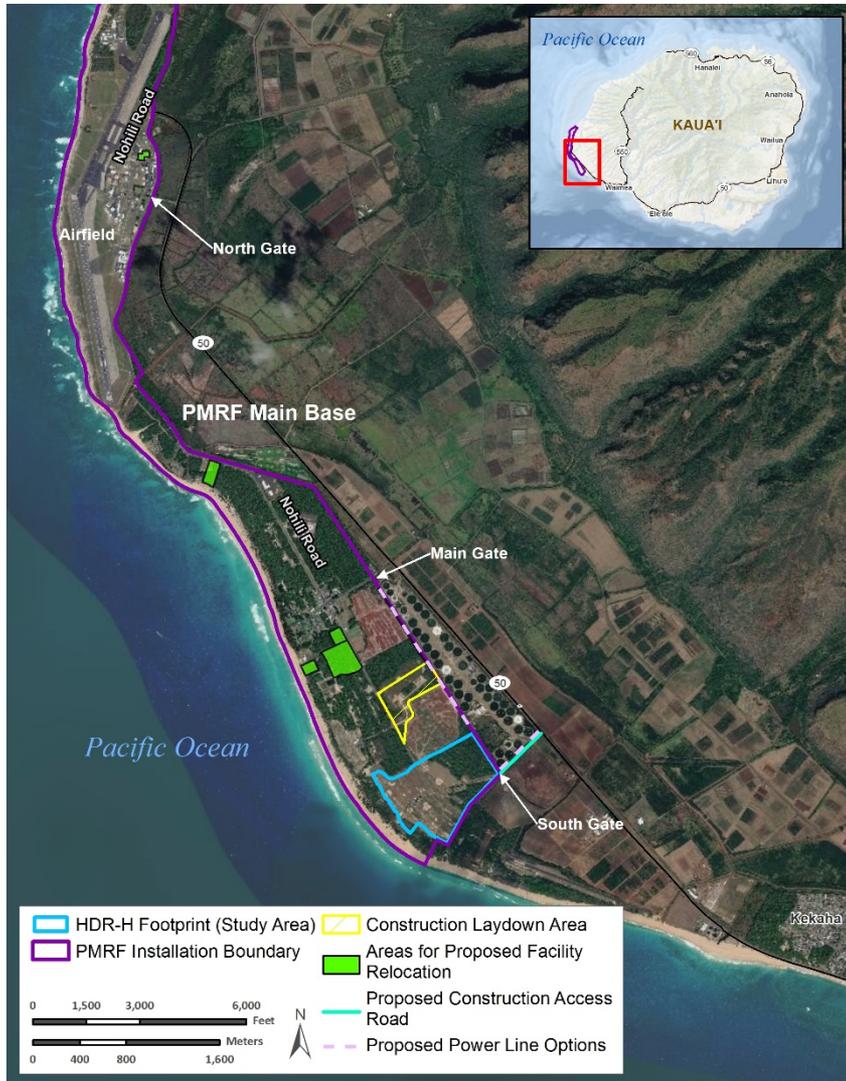
Kahuku Training Area Site 1



- Near northwestern corner of DoD property managed by the U.S. Army–Hawai'i.
- Notional facility footprint is approximately 45 acres. Other areas would be needed for construction laydown and new infrastructure.
- Access via 4.3 miles of upgraded existing and new roads from State Highway 83 (Kamehameha Highway).



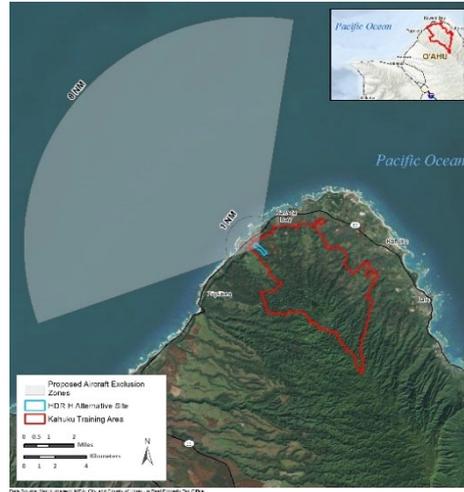
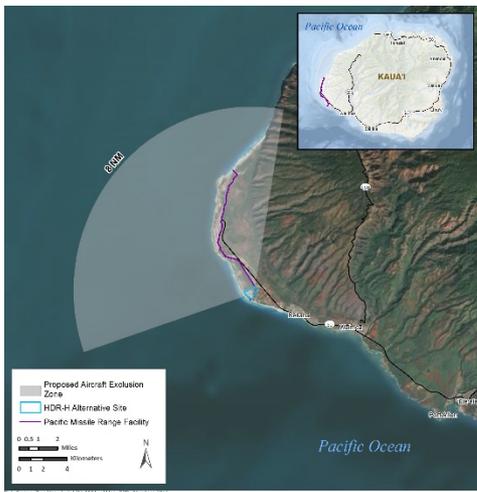
Pacific Missile Range Facility



- On southern end of DoD property managed by the U.S. Navy.
- Near County Landfill, Shrimp Ponds, and PMRF South Gate.
- Notional facility footprint is approximately 50 acres. Other areas would be needed for construction laydown and new infrastructure.
- Access via existing installation gates off of State Highway 50, Kaumualii Highway. Construction traffic would use the south gate entrance.
- Requires several existing PMRF facilities to be relocated elsewhere on the installation.



HDR-H Proposed Airspace



Pacific Missile Range Facility

Kahuku Training Area Site 1

Restricted Area applicable to the HDR-H site:

- Airspace wherein activities must be confined because of their nature, or wherein limitations are imposed upon aircraft operations that are not a part of those activities, or both.

Decisions to be Made:

- Should MDA decide to operate the HDR-H radar, FAA would decide whether to approve the proposed Restricted Area and determine any actions related to restricting the flight of aircraft. Decision would be in accordance with FAA rulemaking process.



Solar Observatory Relocation Alternative Sites



Operation of the HDR-H radar at the Kahuku Training Area Site 1 would cause radio frequency interference for the U.S. Air Force Solar Observatory; therefore, the observatory would need to be relocated off O'ahu to one of the following locations:

Air Force Research Laboratory Remote Maui Experiment – Maui

- On private land leased to U.S. Air Force near Kihei on Maui



Pacific Missile Range Facility: Kokole Point Road – Kaua'i

- DoD property, managed by the U.S. Navy
- Located on southernmost end of PMRF

Pacific Missile Range Facility: Building 1115 – Kaua'i

- DoD property, managed by the U.S. Navy
- Located on south side of PMRF



Public Comments

February 26 – April 12, 2021



You can provide your comments in a variety of ways:



U.S. Postal Service:

KFS, LLC, Attn: MDA HDR-H EIS
303 Williams Ave., Suite 116, Huntsville, AL 35801



Project Website: <https://www.mda.mil/hdrh.html>



Voicemail: **1-888-473-6650**



Email to: mda.hdrh.eis@kfs-llc.com with subject line as MDA HDR-H EIS



Facsimile (fax): **1-256-713-1617** with subject as MDA HDR-H EIS



Telephone Public Meetings: March 23, 2021; 4:00 p.m. to 6:00 p.m. HST; **855-756-7520**, Access code **69947**
March 25, 2021; 6:00 p.m. to 8:00 p.m. HST; **855-756-7520**, Access code **70114**

Public comments on the HDR-H are requested pursuant to the National Environmental Policy Act. All comments received during the comment period will become part of the public record, and substantive comments will be considered during preparation of the Draft EIS. All comments must be submitted or postmarked by April 12, 2021 to ensure their consideration in the Draft EIS analysis.

Thank you for your time and comments.



Additional Information



<https://www.mda.mil/hdrh.html>