



Fact Sheet

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Homeland Defense Radar–Hawaii (HDR-H) Project

The National Defense Authorization Act (NDAA) Fiscal Year (FY) 2017 requires the Missile Defense Agency (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. The NDAA FY 2021 authorizes MDA to continue Homeland Defense Radar - Hawaii (HDR-H) radar development and siting efforts. The FY 2021 Appropriation bill provided funding to continue these 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. MDA has conducted siting analysis in Hawai'i and identified two viable sites: one site at Kahuku Training Area (KTA) on O'ahu, and one site at Pacific Missile Range Facility (PMRF) on Kauai'i.



HDR-H Overview

- The HDR-H will provide 24/7 persistent detection/tracking and discrimination against threats in a complex environment, improving the defense of Hawai'i, and would be incorporated into the overall Missile Defense System. A "discrimination radar" is capable of identifying and classifying specific ballistic missile threats.
- MDA's mission is to increase Missile Defense System reliability, build confidence, increase engagement capability and capacity, and address advanced threats. The HDR-H, in combination with other sensors, further enhances MDA's mission with the ability to track long-range potential threats to the United States.
- The HDR-H enhances missile tracking and the ability to identify missiles in the Pacific to better defend Hawai'i.

EIS Overview

- MDA is preparing an EIS in accordance with the National Environmental Policy Act and anticipates completion of the EIS in fall 2022.
- The EIS will evaluate and describe potential environmental impacts that may result from the proposed construction and operation of the HDR-H at specific alternative sites. The EIS will also support the establishment of restricted airspace and the associated connected actions.
- The analysis results contained in the EIS will be used by MDA to support the decision on whether to deploy the HDR-H in Hawai'i or to select the No Action Alternative
- For the EIS, "Environment" is defined as the natural and physical habitat and the relationship of people within that habitat. The EIS will include a statement of the purpose and need for the HDR-H, a description of reasonable alternatives to meet the purpose and need, a description of the environment that could be affected by those alternatives, and an analysis of the direct, indirect, and cumulative effects of the actions associated with each alternative.
- MDA is also initiating consultation on its undertaking to potentially deploy the HDR-H radar in Hawai'i, pursuant to Section 106 of the National Historic Preservation Act (NHPA).

EIS Overview continued...

- MDA is committed to conducting consultations under Section 106 in a meaningful way that engages consulting parties in the review process and facilitates the sharing of information and concerns related to the HDR-H project and its potential effects on significant historic properties.
- Local communities will have an opportunity to provide input and comments during the EIS process with the Draft EIS available for public review and comment in fall 2021.
- The reopening of scoping was initiated in 2020 because, since 2018, MDA has conducted additional and more intensive siting studies to confirm alternative selection, and optimize facility planning and design. As a result, in 2020 MDA removed the U.S. Army KTA Site 2 and Kuaokalā Ridge (KR) alternatives from further consideration and added a new alternative at the U.S. Navy PMRF on the island of Kaua'i. The EIS analysis will include three alternatives: one on O'ahu (KTA-1), one on Kaua'i (PMRF), and a No Action Alternative.
- 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 meetings for the reopening of scoping. An Online Open House website has been developed to provide project information and the ability to comment on the proposed project. Also, MDA will hold Telephone Public Meetings to provide attendees with the opportunity to ask questions of MDA representatives and provide comments. Information can be found at www.mda.mil/hdrh.

Construction Overview

- Construction for the HDR-H, if funded, could begin after the EIS and Record of Decision are completed in the fall of 2022, should the Department and Congress authorize and fund the deployment.
- The estimated greater than \$400 million military construction effort, if funded in the future, would be executed in the state of Hawai'i with significant construction expenditures in the local economy.
- HDR-H facilities at the radar site would include the following components: Mission Control Facility, Thermal Control System, Entry Control Facility, Modernized Enterprise Terminal, Water Supply Building, In-Flight Interceptor Communications System Data Terminal, Fuel Offloading Facility, Electrical Substation for Commercial Power Connection, Site Security, backup emergency Power Plant and Maintenance Facilities, and Support Infrastructure.
- The final HDR-H footprint would range up to approximately 50 acres, preferably within a contiguous area. Depending on the on-site topographic conditions, up to approximately 100 additional acres would be used temporarily for construction laydown and for new infrastructure.
- If the HDR-H is constructed on O'ahu, the U.S. Air Force Solar Observatory located on O'ahu would be relocated to either the Air Force Research Laboratory Remote Maui Experiment site on Maui or to PMRF on Kaua'i.
- If KTA is the selected HDR-H site, MDA anticipates KTA roadway modifications and new construction in order to provide access to the site. No modifications to Kamehameha Highway are anticipated.
- If PMRF is the selected HDR-H site, MDA anticipates that the southernmost PMRF access gate, at Lighthouse Road, would be utilized for construction access.