



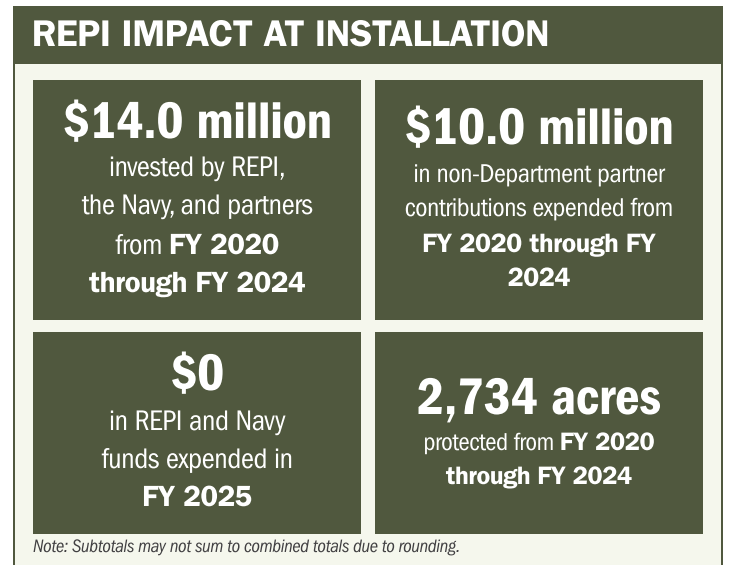
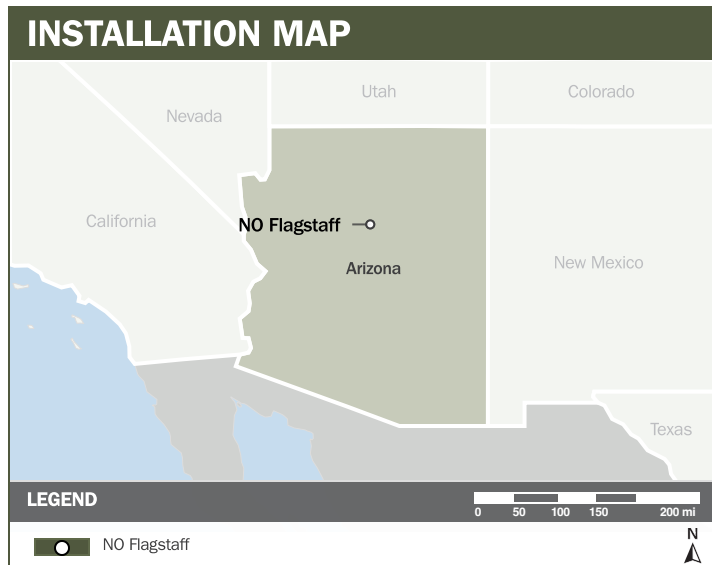
NO FLAGSTAFF

ABOUT THE INSTALLATION

Naval Observatory (NO) Flagstaff Station is the national dark-sky observatory site for the Department of War (DoW), located in north-central Arizona. The station's unique, isolated location maintains ideal geographic, climatic, and atmospheric conditions for the analysis and interpretation of astrometric and photometric observations. NO Flagstaff's research and real-time orbital data is critical for testing and training requirements for highly specialized electronic, cryogenic, optical, and infrared instrumentation and techniques. Key capabilities include space surveillance; detection, tracking, and characterization; and instrument calibration and testing.

STRENGTHENING MISSION READINESS THROUGH REPI INVESTMENTS

The DoW's Readiness and Environmental Protection Integration (REPI) Program plays a critical role in supporting NO Flagstaff's ability to maintain geographic and atmospheric conditions for military missions. REPI funding safeguards open space and sky brightness, enabling essential research and observation for space safety and security.



PROJECT OVERVIEW

INCOMPATIBLE DEVELOPMENT—10 U.S.C. § 2684A

- NO Flagstaff's national space observation mission depends on maintaining clear, dark skies, yet urban growth and incompatible land use threaten sky quality, space-tracking observations, and calibration and testing operations.
- Population growth in surrounding communities drives light pollution that disrupts or obscures tracking, reduces observational accuracy, and degrades space situational awareness, which is essential to national security.
- To counter these threats, NO Flagstaff is leveraging REPI funds under 10 U.S.C. § 2684a to protect undeveloped open space and preserve sky brightness below the 10% light-pollution threshold, sustaining research and observation capabilities vital to space safety, security, and superiority.



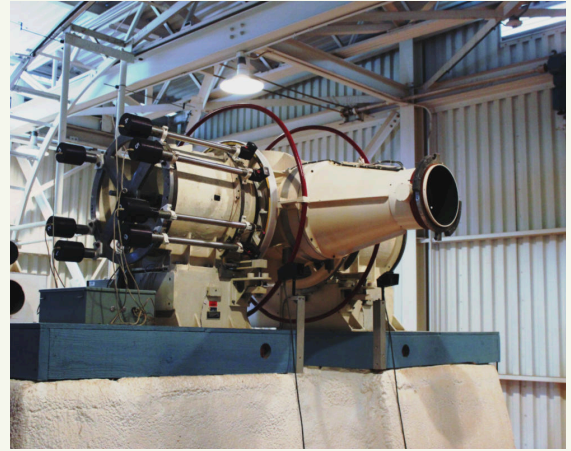


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PROJECT OVERVIEW (CONTINUED)

HABITAT PRESERVATION – SIKES ACT—16 U.S.C. § 670-c1

- Development adjacent to NO Flagstaff increases regional water demand, accelerates habitat loss, and elevates wildfire risk.
- These pressures threaten military observation operations and jeopardize the environmental and atmospheric conditions required for accurate space domain awareness.
- Using authority under 16 U.S.C. § 670c-1, this initiative advances habitat restoration and natural resource management—including prescribed burns—to reduce catastrophic wildfire risk while preserving the geological and atmospheric conditions essential to NO Flagstaff’s ground- and space-based mission support.



KEY FISCAL YEAR MILESTONES AT NO FLAGSTAFF*

2020



NO Flagstaff receives REPI funding to establish the installation’s first REPI project.

2022



NO Flagstaff receives REPI Challenge funding to support installation resilience work across 5,363 acres.

2023



Coconino County, in partnership with NO Flagstaff, amends zoning ordinances to protect dark sky conditions and implement standards controlling light pollution and light trespass.

2023



NO Flagstaff receives additional REPI Challenge funding to continue installation resilience efforts focused on wildfire risk reduction and fuel management.



* These milestones demonstrate how the installation is strategically utilizing the REPI Program to mitigate encroachment risks and enhance mission assurance. While not exhaustive, the list highlights the various approaches installations are using to preserve critical testing and training capabilities essential to national defense.



Subscribe to the REPI Program Listserv by scanning the QR code.
For more information about the REPI Program and supportive DoW efforts, please visit www.repi.mil.