OVERVIEW

Maryland received $20.5 billion in Defense spending in Fiscal Year (FY) 2015, which provides direct funding for DoD personnel salaries, defense contracts, and construction of military facilities in the state. This spending by DoD personnel, contractors, and their families creates significant economic activity, attracts related industries and investment, and generates important state and local government tax revenues.

The Readiness and Environmental Protection Integration (REPI) Program is a key tool used by DoD and its partners to protect the military’s ability to train, test, and operate in the state. DoD created the REPI Program in response to the development of lands and loss of habitat in the vicinity of or affecting its installations, ranges, and airspace that can lead to restrictions or costly and inadequate training and testing alternatives. Through REPI, DoD works with state and local governments, conservation organizations, and willing private landowners to address these challenges to the military mission and the viability of DoD installations and ranges. The REPI Program has enjoyed broad bipartisan support both in the U.S. Congress and among groups representing state and local officials. Through FY 2016, DoD and its partners have spent over $24 million on REPI projects at 4 installations in Maryland.
**MILITARY PRESENCE**

- The Maryland Department of Business & Economic Development reported that military related activities directly or indirectly generated 410,219 jobs, $1.2 billion in state and local tax revenues, and $57.4 billion in economic contributions to the state in FY 2012.
- The state's 17 facilities attract thousands of visitors into Maryland who spend more than $41.3 million annually.
- Andrews Air Force Base generated a total of $1.0 billion in economic activity in Maryland and created or supported 12,506 jobs earning an estimated $580.9 million in employee compensation.
- Aberdeen Proving Ground (APG) generates a total of $4.3 billion in economic activity in Maryland and creates or supports 28,995 jobs earning an estimated $1.6 billion in employee compensation.
- The Army Research Laboratory (ARL) generated a total of $411.3 million in economic activity in Maryland and created or supported 2,831 jobs earning an estimated $194.6 million in employee compensation.
- Because of its proximity to Washington, D.C., Maryland has a large concentration of military facilities. Rather than serving as the base for self-contained armed services combat or support units, many of the military facilities in Maryland perform administrative, medical and research functions to support the overall operations of the nation’s military and the DoD.
- Fort Meade is Maryland’s largest employer and is the third largest workforce of any Army installation in the U.S.

**REPI PROJECTS**

<table>
<thead>
<tr>
<th>Project Installation</th>
<th>County</th>
<th>Congressional District</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aberdeen Proving Ground</td>
<td>Harford</td>
<td>2nd</td>
</tr>
<tr>
<td>Atlantic Test Ranges</td>
<td>Dorchester, St. Mary’s</td>
<td>1st, 5th</td>
</tr>
<tr>
<td>NAS Patuxent River</td>
<td>St. Mary’s</td>
<td>5th</td>
</tr>
<tr>
<td>NSF Indian Head</td>
<td>Charles</td>
<td>5th</td>
</tr>
</tbody>
</table>

For all REPI Project Profiles visit: [http://www.repi.mil/BufferProjects/ProjectList.aspx](http://www.repi.mil/BufferProjects/ProjectList.aspx)

Varied and hilly terrain allows for testing of maneuver vehicles at the Churchville Test Area (left and right).

**Key REPI Partners**

- Charles County
- Chesapeake Conservancy
- Conservancy for Charles County
- Delaware Department of Natural Resources and Environmental Control
- Dorchester County
- Eastern Shore Land Conservancy
- Harford County
- Harford Land Trust
- Maryland Agricultural Land Preservation Foundation
- Maryland Department of Natural Resources
- The Conservation Fund
- The Lower Shore Land Trust
- The Nature Conservancy
- Patuxent Tidewater Land Trust
- St. Mary’s County
- State of Delaware
- The Trust for Public Land
- U.S. Fish and Wildlife Service
- Virginia Department of Game and Inland Fisheries
- Virginia Outdoors Foundation

**Data Sources**

- For Economic Impact Information:

- For Federal Spending and Personnel Information:


Aberdeen Proving Ground is the Department of Defense’s oldest active proving ground, where military weapons, vehicles, and other technology or military strategies are tested. Aberdeen is the Department’s lead for automotive testing for all manned and unmanned, wheeled, and tracked vehicles. Due to the region’s temperate climate, the Army can test vehicles in 80 percent of real-world environments using world-renowned test tracks. These tracks, a national asset, are irreplaceable and critical to present and future testing of vehicles.

However, significant regional suburban growth stretching out from the city of Baltimore and other nearby towns is causing conflict due to noise, dust, and other issues. The combined efforts of the Aberdeen Test Center staff and concerned local stakeholder Harford Land Trust helped alleviate this threat to the nearby Churchville Test Area.

This location is a hilly set of cross-country road test tracks providing a variety of steep inclines and tight turns designed to stress engines, drivetrains, and suspension systems for vehicles such as tanks, Bradley fighting vehicles, and the Humvee.

Of particular concern was the only owner of land not enrolled in a conservation program adjacent to the test area. The owner planned to subdivide his property into a housing development, and new residents could lead to noise complaints that would interfere with the test mission. Saving this farmland protects Deer Creek, part of a watershed that provides drinking water for nearby communities and is the only known habitat for the endangered Maryland darter.

### Benefit Summary

**Community**
- Preserves working lands and local character
- Supports existing regional planning efforts
- Provides recreational opportunities for area residents
- Protects water supplies

**Military**
- Preserves maneuver training capacity through the buffering of high-noise areas
- Increases operational safety
- Provides for future mission growth

### Key Partners
- Harford County
- Harford Land Trust
- U.S. Fish and Wildlife Service

### Fast Facts Through 30 Sep 2016

- Acres preserved: 296
- Transactions conducted: 7
- Total funds expended: $3.1 million
- Project status: In Progress

### Contact
Public Affairs Office
(410) 278-1150

For more information about REPI, please see [http://www.repi.mil](http://www.repi.mil).
The Atlantic Test Ranges (ATR), consisting of land, air, and sea ranges in the Chesapeake Bay area, is the Navy’s principal location for the research, development, test, and evaluation of Naval aircraft. The range’s restricted airspace is a critical national asset that allows for training missions and the concurrent testing of multiple new aircraft, including unmanned aerial systems. This restricted airspace, as well as Naval Air Station (NAS) Patuxent River (ATR’s host installation) and Outlying Field (OLF) Webster, encompasses a vast ecologically sensitive area, including part of Maryland’s Eastern Shore of the Chesapeake Bay.

Due to the inherent risk in test flights, as well as the noise from aircraft (including supersonic operations), the Navy is working to limit incompatible development underneath the test range airspace and installation flight routes to increase safety and quality of life. Another benefit to the mission is preventing increased conflicts in the use of frequency spectrum, allowing for testing of communications equipment and other electronics.

Acquiring easements under the restricted airspace and around NAS Patuxent River and OLF Webster also limits development of waterfront parcels and protects the health of the Chesapeake Bay and its tributaries. In addition, these projects also help sustain local agriculture and commercial and recreational fishing economies. Meanwhile, ATR and NAS Patuxent River can continue providing the test and evaluation capabilities that ensure safe and effective high-performance aircraft and aviation systems.

**BENEFIT SUMMARY**

**COMMUNITY**
- Preserves working lands and local character
- Supports existing regional planning, including a Joint Land Use Study
- Provides recreational opportunities
- Protects habitat within an existing wildlife corridor

**MILITARY**
- Preserves night flying and helicopter capacity that generates significant amounts of noise
- Reduces the potential for lost test and training days and the need for less-realistic workarounds
- Reduces electromagnetic interference
- Allows for future mission growth and multi-Service missions

For more information about REPI, please see [http://www.repi.mil](http://www.repi.mil).
Naval Support Facility (NSF) Indian Head supports the research, development, test, and evaluation (RDT&E) activities of the Naval Surface Warfare Center Indian Head Division. Its mission is to provide RDT&E of energetics and energetics material for warheads, propulsion systems, and ordnance. NSF Indian Head is located on the Potomac River approximately 20 miles south of Washington, D.C. on the Maryland side of the river, allowing for outdoor explosives testing over water. Although such testing occurs away from the main D.C. population centers, the sound waves travel up and down the river and impacts residents of Maryland and Virginia alike.

To prevent incompatible development and protect NSF Indian Head’s RDT&E mission, the Navy is working with a number of partners to preserve land on both banks of the Potomac River and up to several miles inland. In some cases the partner may acquire the land in fee, but in all cases the Navy will acquire restrictive easements. These easements will remove the development rights on agricultural and forested lands.

Much of the land targeted for protection is already adjacent to public lands that cannot be developed. Preventing development on these private lands would help secure the isolation of NSF Indian Head and its mission activities, reducing the potential for complaints related to noise and shock waves from explosives and demolitions. Additionally, increasing protected lands in this area supports stream protection initiatives and supports goals for preserving habitat and species throughout the Chesapeake Bay ecosystem.

**Benefit Summary**

**Community**
- Protects working farm lands
- Preserves habitat for threatened, endangered, and at-risk species
- Protects water quality and water supply

**Military**
- Protects live-fire testing that produces significant amounts of noise and vibration
- Prevents workarounds that would reduce test and training capacity
- Improves operational safety

For more information about REPI, please see http://www.repi.mil.