DESIGNED FOR DISASTER:
The Impact of State and Federal Policies on Military Installation Resilience
WEDNESDAY, DECEMBER 16, 2020
1:00 PM ET / NOON CT / 11:00 AM MT / 10:00 AM PT
TASK FORCE ON MILITARY AND VETERANS AFFAIRS

- 53 members from 27 states and D.C.
- Examines issues affecting military-community relations and the health and well-being of service members, veterans and families
- Co-chairs:
  Rep. Tina Orwall (D-WA)
  Rep. Dean Dohrman (R-MO)

See task force [webpage](#)
SPEAKERS

Kristin Thomasgard
Program Director, REPI Program, U.S. Dept. of Defense

Ann Phillips
Rear Admiral, Navy (Ret.), Special Assistant to the Governor for Coastal Adaptation and Protection, Virginia

Ben McFarlane
Senior Regional Planner, Hampton Roads Planning District Commission, Virginia
Promoting Compatible Land Use Around Military Installations

Kristin Thomasgard
REPI Program Director
Office of the Assistant Secretary of Defense (Sustainment)
The Department of Defense’s Readiness and Environmental Protection Integration (REPI) Program is a key tool for promoting innovative and land conservation partnerships that benefit national defense, neighboring communities and the environment.

Realistic combat training, pristine test environments, and operational capability are keys to keeping our service members safe. However, encroachment issues are creating obstacles that threaten military activities.

Parachute training is halted when housing developments are built near drop sites.

80% of military bases have surrounding development that is higher than the national average.

Weapons testing and training causes noise, dust, and smoke complaints from nearby communities.

Urban sprawl decreases habitat and may cause Federally protected species to seek sanctuary on military lands.

Flight testing, training, and operations are impeded by cellphone towers, wind farms, and developments.

Night training is compromised when light pollution from nearby commercial areas spreads.
REPI partnerships are authorized by 10 USC 2684a and must satisfy the following requirements:

- Possess an agreement between the military and eligible entity – state or local government or private conservation organization (non-profit or for-profit)
- The cost for the partner to acquire a land interest or easement to protect the land is shared between the military and partner
- Landowner enters into transaction and partnership voluntarily and willingly
- Protected land ensures compatible land use, habitat preservation, or installation resilience
REPI Program Accomplishments

- 757,407 acres protected
- 109 locations in 33 states

REPI Expenditures through FY 2020
- Combined Military Service Expenditures through FY 2020
- Partner Expenditures through FY 2020
Taking It Further – More Opportunities

- **Promote and enhance resilience**
  10 USC § 2684a to include agreements that enhance or improve military installation resilience

- **“Funds as Match” authority**
  DoD funds can now be considered a non-federal match for all federal conservation and resilience programs

- **Natural resources stewardship and long-term management**
  10 USC § 2684a(d)(3) or 16 USC § 670c-1 support current and future cost of natural resource management, monitoring, and enforcement

- **2021 REPI Challenge**
  Up to $15M in DoD funds (subject to the availability of FY21 appropriations) for projects that preserve and enhance military installations or range capability, and maintain installation resilience. Open to all eligible partners at DoD installations.
Key DoD Programs

- **Office of Economic Adjustment** – [www.oea.gov](http://www.oea.gov)
  The Military Installation Sustainability program is designed to provide technical and financial assistance to states and local governments to analyze and implement actions necessary to foster, protect, and enhance military installation sustainability. This program encompasses the previous Compatible Use/Joint Land Use Study program as well as the recently authorized Installation Resiliency Authority.
  - **CFDA 12.610** Community and Economic Adjustment Assistance for Compatible Use and Joint Land Use Studies
  - **CFDA 12.003** Community Economic Adjustment Assistance for Responding to Threats to the Resilience of a Military Installation

- **Military Aviation and Installation Assurance Siting Clearinghouse** – [https://www.acq.osd.mil/dodsc/](https://www.acq.osd.mil/dodsc/)
  Protects DoD's mission capabilities from incompatible energy development by collaborating with DoD Components and external stakeholders to prevent, minimize, or mitigate adverse impacts on military training, testing, and readiness operations.
Getting Involved

REPI Program: [www.repi.mil](http://www.repi.mil)

REPI Mapper: [www.repimap.org](http://www.repimap.org)

Sentinel Landscapes: [www.sentinellandscapes.org](http://www.sentinellandscapes.org)


Office of Economic Adjustment: [www.oea.gov](http://www.oea.gov)
For more information:
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571-372-6835 (office)
Building Coastal Resilience in Virginia

National Conference of State Legislatures
Designed for Disaster: Impact of State/Federal Policies on Military Installation Resilience

December 16th, 2020
Rear Admiral Ann C. Phillips, US Navy (Retired)
Special Assistant for Coastal Adaptation and Protection
ann.phillips@governor.virginia.gov
THE RISK - WHAT'S AT STAKE ~

NAVAL STATION NORFOLK

NASA/DOD WALLOPS ISLAND

NEW POINT COMFORT LIGHT, PORT HAYWOOD, VIRGINIA

PORT OF VIRGINIA

THE NATURE CONSERVANCY

VIRGINIA BEACH
Virginia Executive Orders Addressing Flooding Resilience

- **EO-24:** INCREASING VIRGINIA’S RESILIENCE TO SEA LEVEL RISE AND NATURAL HAZARDS
  - Virginia Coastal Resilience Master Plan
  - Statewide Communication, Coordination, Collaboration

- **EO-29:** VIRGINIA COUNCIL ON ENVIRONMENTAL JUSTICE
  - Ensuring Equitable Treatment for All

- **EO-45:** FLOODPLAIN MANAGEMENT REQUIREMENTS AND PLANNING STANDARDS FOR STATE AGENCIES, INSTITUTIONS, AND PROPERTY
  - Set State Sea level rise Scenario Planning Standards
  - Set State Building elevation standards for future construction
  - Set state FEMA NFIP Compliance Standards

“VIRGINIA’S ROADMAP TO MAKE OUR BUILT ENVIRONMENT MORE RESILIENT TO FLOODS, HURRICANES, FIRES, AND OTHER EXTREME WEATHER EVENTS.”
-Governor Northam, Nov. 2 2018
2020 General Assembly Legislation

- (HB 1313) Chief Resilience Officer position created, SACAP authorities added, DCR Flood Protection Program coordination stakeholders expanded
- (HB 981) Community Flood Preparedness Fund monetized through Regional Greenhouse Gas Initiative (RGGI)
- (HB 1164) DEQ Mission to include “address Climate Change. . . across all programs and permitting processes” and include environmental justice
- (HB 504) Chesapeake Bay Preservation Act purpose amended to include “Coastal Resilience and Adaptation to sea level rise and climate change”
- (SB 776) VMRC, Living Shorelines as the approved shoreline management approach unless science shows not suitable.
- (SJ 38 / HJ 47) JCOTS, VASEM Study on Coastal Areas; Economic consequences of weather related events
VIRGINIA COASTAL RESILIENCE MASTER PLANNING FRAMEWORK

Principles and Strategies for Coastal Flood Protection and Adaptation

Email: ResilientCoastVA@governor.virginia.gov
 Acknowledge Climate Change
  Acknowledge climate change and its consequences and base decision-making on the best available science.

 Enhance Equity
  Identify and address socioeconomic inequities and work to enhance equity through coastal adaptation and protection efforts.

 Nature-Based Solutions
  Recognize the importance of protecting and enhancing green infrastructure like natural coastal barriers and fish and wildlife habitat by prioritizing nature-based solutions.

 Region-Specific Approach
  Utilize community and regional scale planning to the maximum extent possible, seeking region-specific approaches tailored to the needs of individual communities.

 Cost-Effective Solutions
  Understand fiscal realities and focus on the most cost-effective solutions for protection and adaptation of our communities, businesses and critical infrastructure.

Guiding Principles

Email: ResilientCoastVA@governor.virginia.gov
- REPI
- JLUS (OEA)
- DAR
- DCIP
- Sentinel Landscapes (Future?)

Conservation / Resilience
“Water management needs cannot wait...”
~Governor Ralph Northam – August 18, 2020

Building Capacity . . .
Working Together to Become More Resilient

Joint Land Use Studies in Hampton Roads

National Conference of State Legislatures
December 16, 2020

Benjamin J. McFarlane, AICP, CFM
Senior Regional Planner
Hampton Roads Planning District Commission
What does HRPDC do?

• The Commission:
  – “serves as a forum for local and elected officials and chief administrators to deliberate and decide issues of regional importance”

• The Staff:
  – “provides the local governments and citizens of Hampton Roads credible and timely planning, research, and analysis on matters of mutual concern, and”
  – “provides leadership and offers strategies and support services to other public and private, local, and regional agencies, in their efforts to improve the region’s quality of life.”
Members of Congress tour areas where sea level rise is causing flooding in Hampton Roads

Rising Seas Are Flooding Norfolk Naval Base, and There’s No Plan to Fix It

The giant naval base in Virginia is under threat by rising seas and sinking land, but little is being done to hold back the tides.

By Nicholas Kusnetz

The U.S. Navy’s Biggest Base Is Sinking

Climate change endangers Norfolk.

By Robert Farley
What is a Joint Land Use Study?

- **Community-driven** planning process supported by the DoD Office of Economic Adjustment
- **Collaborative** process intended to help communities and military installations identify and address potential issues and conflicts
Joint Land Use Studies...

...build on existing efforts to address issues affecting local governments and Department of Defense installations

...bring together the military and communities to discuss the impact of these issues on military operations and readiness

...are unique opportunities to get official involvement from the DoD and endorsement of local measures that support their missions

...move conversations from headlines to analysis to solutions

...can tee up the communities and regions for federal and state assistance for projects that directly benefit both communities and installations
### UNDERSTANDING
- Installations do not understand how communities work.
- Communities do not understand what installations need.

### INFORMATION
- Not sharing information and data can lead to unintended impacts on both sides of the fence.

### VALUES
- Communities and installations value different things.

### PRIORITIES
- Localities cannot afford to build everything.
- If they don’t know what is important to the military, they can’t support it.

Challenges = Opportunities
Turning Values Into Rankings

- Installation Readiness
  - Reliable and resilient access routes for DoD personnel.

- DoD Personnel Readiness
  - Adequate and well-maintained stormwater management systems.
  - Reliable and resilient utility networks.
  - Reduces flood risk along a strategic corridor
  - Reduces vulnerability of a DOD asset
  - Improves access to DOD installation
  - Reduces vulnerability of community assets DOD personnel use
  - Improves access to community assets
  - Creates community recreation/health opportunities

- Community Co-Benefits
  - Reduces flood risk to community
JLUS Recommendations

22 ACTIONS
Address challenges in a specific area related to access or community facilities, stormwater, flood risk, etc.

23 REGIONAL COORDINATION STRATEGIES
Address issues related to coordination and outreach; advocacy policy and development regulations; and technology and data.

7 CONVERSATIONS
Require further discussion and exploration to determine if further study is needed.
<table>
<thead>
<tr>
<th>Action #</th>
<th>Action</th>
<th>Score</th>
<th>Installations/Sites Served</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hampton Blvd Comprehensive Flood Mitigation and Stormwater Management</td>
<td>19</td>
<td>Naval Station Norfolk, NSA Hampton Roads, Lafayette River Annex</td>
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<tr>
<td>2</td>
<td>Shore Drive Comprehensive Flood Mitigation and Stormwater Management</td>
<td>19</td>
<td>JEB Little Creek-Fort Story</td>
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<tr>
<td>3</td>
<td>JEB Little Creek Gate 1 – Amphibious Drive – Shore Drive Flooding Study</td>
<td>18</td>
<td>JEB Little Creek-Fort Story</td>
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<tr>
<td>4</td>
<td>East Amphibious Drive, Chubb Lake, and Lake Bradford Flood Mitigation and Stormwater Management Strategy</td>
<td>17</td>
<td>JEB Little Creek-Fort Story</td>
</tr>
<tr>
<td>5</td>
<td>Lafayette River Outer Surge Barrier (USACE)</td>
<td>16</td>
<td>NS Norfolk, NSA Hampton Roads, Lafayette River Annex</td>
</tr>
<tr>
<td>6</td>
<td>Dam Neck Gate Flood Impact Study</td>
<td>15</td>
<td>Dam Neck Annex</td>
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<td>7</td>
<td>Oceana Blvd/Bells Road Drainage Study</td>
<td>15</td>
<td>Dam Neck Annex</td>
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<tr>
<td>8</td>
<td>Pretty Lake Storm Surge Barrier (USACE)</td>
<td>15</td>
<td>JEB Little Creek-Fort Story</td>
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https://www.forteustisjlus.com/
https://hampton.gov/1788/Hampton-Langley-Joint-Land-Use-Study
https://www.hrpdcva.gov/departments/joint-land-use-studies

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Questions?

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