

Installation Master Planning for Military Resiliency

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DESTINATION INNOVATION SAN ANTONIO, TX FEBRUARY 10 - 12, 2020



Introductions

- Grant Heslin, Vice President, SIA Solutions Moderator
- Sandy Kline Director Installation Resilience, Office of the Assistant Secretary of the Navy, (Energy, Installations, and Environment)
- John Conger Director, Center for Climate and Security
- David Kennedy Director (Interim), Compatible Use Program, Office of Economic Adjustment
- John Malueg Manager of Resilience Programs, Stantec



Sandy Kline Director Installation Resilience, Office of the Assistant Secretary of the Navy, (Energy, Installations, and Environment)













...installation-level leaders will need to <u>engage surrounding communities</u> who are a vital part of the mission assurance equation.

Community Benefits & Collaboration

- Intergovernmental Service Agreement (IGSA)
- Utilities Privatization (UP)
- Third Party Financing
- Energy Resilience and Conservation Investment Program (ERCIP)
- Defense Community Infrastructure Program (DCIP)





Assistant Secretary of the Navy

(Energy, Installations & Environment)



John Conger Director, Center for Climate and Security



David Kennedy Director (Interim), Compatible Use Program, Office of Economic Adjustment

Military Installation Resilience Supporting Lethality & Readiness

- FY2019 NDAA (PL 115-232) amended 10 USC 2391, adding military installation resilience as an area eligible for OEA assistance
- FY2019 NDAA defined military installation resilience as:
 - "The capability of a military installation to avoid, prepare for, minimize the effect of, adapt to, and recover from extreme weather events, or from anticipated or unanticipated changes in environmental conditions, that do, or have the potential to, adversely affect the military installation or essential transportation, logistical, or other necessary resources outside of the military installation that are necessary in order to maintain, improve, or rapidly reestablish installation mission assurance and mission-essential functions"

OEA MIR Initiation Concept

- Program of Assistance
 - Standard "Military Installation Resilience" Review
 - Standardized core Scope of Work and Deliverable
 - Fund Program Coordinator position
 - NTE 18-month grant period
- Goal to fund 20 applicants in FY20
- 10% Match Requirement
- Continue to accept other MIR applications
- Scope of Work may be adjusted based on installation issues

FY20 Installations with Resiliency Concerns

(16 new / 10 existing)

- NSA Annapolis, MD
- NSA Bethesda, MD
- NSA Washington, DC
- JB Anacostia-Bolling, DC
- NSA South Potomac, MD
- NAS Patuxent River, MD
- San Diego Region, CA
- JB Andrews, MD
- Kirtland AFB, NM
- Fort Huachuca, AZ
- Fort Riley, KS
- Redstone Arsenal, AL
- NB Ventura, CA

- NWS Earle, NJ
- NSY Portsmouth, ME
- Naval Observatory Flagstaff Station, AZ
- MacDill AFB, FL
- Camp Lejeune, NC
- Newport Naval Station, RI
- Gulf Coast Region, MS
- MCAS Beaufort/Parris Island, SC
- White Sands Missile Range, NM
- NWS China Lake, CA
- JB Cape Cod, MA
- Fort Story, VA
- Detroit Arsenal, MI



John Malueg Manager of Resilience Programs, Stantec

Roadmap to Resilient Opportunities



COMMUNITY RESILIENCE

Designing with Community in Mind

ACHIEVING TRIPLE BOTTOM-LINE BENEFITS

- Reduce vulnerabilities
- Reduce risks
- Create new destination
- Stimulates local economy
- Protects water quality
- Creates new habitat
- Achieve expanded flood risk reduction







Communities Leverage Federal Partnerships

Throughout Disaster Cycle

- FEMA (Flood Mitigation Assistance)
 - Prepare PDM (Pre-Disaster Mitigation)
 - Recover 406 Resiliency Funding
 - Mitigate HMGP Hazard Mitigation



HUD

NEN • FEMA BRIC (Building Resilient Infrastructure and Communities)

- Nationally competitive
- 6% fund ALL National Disaster Declarations
- \$\$\$\$ Billions of NEW Grant Funds

LIVE!! HUD CDBG-MIT

- \$6.875 Billion
- $\circ~$ CA / FL / GA / LA / MO / TX / WV
- Encourage coordination with other federal grant programs





Community: Economic, Regulatory and Programmatic Drivers

Case Study: Broward County. FL Convention Center

- FEMA, State, Local Compliant
- Resilient?



Economic Drivers

- FEMA: "Every \$1 spent on mitigation saves \$6 on disaster recovery"
- Moody's Warns: Must address climate risks or face credit rating downgrades

Regulatory Drivers

- 2012 Biggert-Waters / 2014 Flood Insurance Affordability Act
 - Federal subsidies are going away
 - Flood insurance going to full risk policies

Programmatic Drivers

• FEMA Community Rating System (CRS)

antec

• Insurance premium discount to 45%



Questions / Answers