

Incorporating Resiliency Into Planning: The JLUS Partnership Experience

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Monmouth County-NWS Earle JLUS

- The JLUS is a community-driven, cooperative, strategic planning process between:
 - Naval Weapons Station Earle;
 - the surrounding 13 municipalities (5+8); and
 - the County of Monmouth.
- Focus:
 - Compatible Use Study (Identify conflicts & opportunities)
 - Preserve/improve Strategic Highway Network
 - Planning for climate adaptation (improve storm resiliency/flood protection) and improved energy/utility resiliency
- Consultant Team:
 - Maser Consulting, AECOM, HR&A and Rutgers

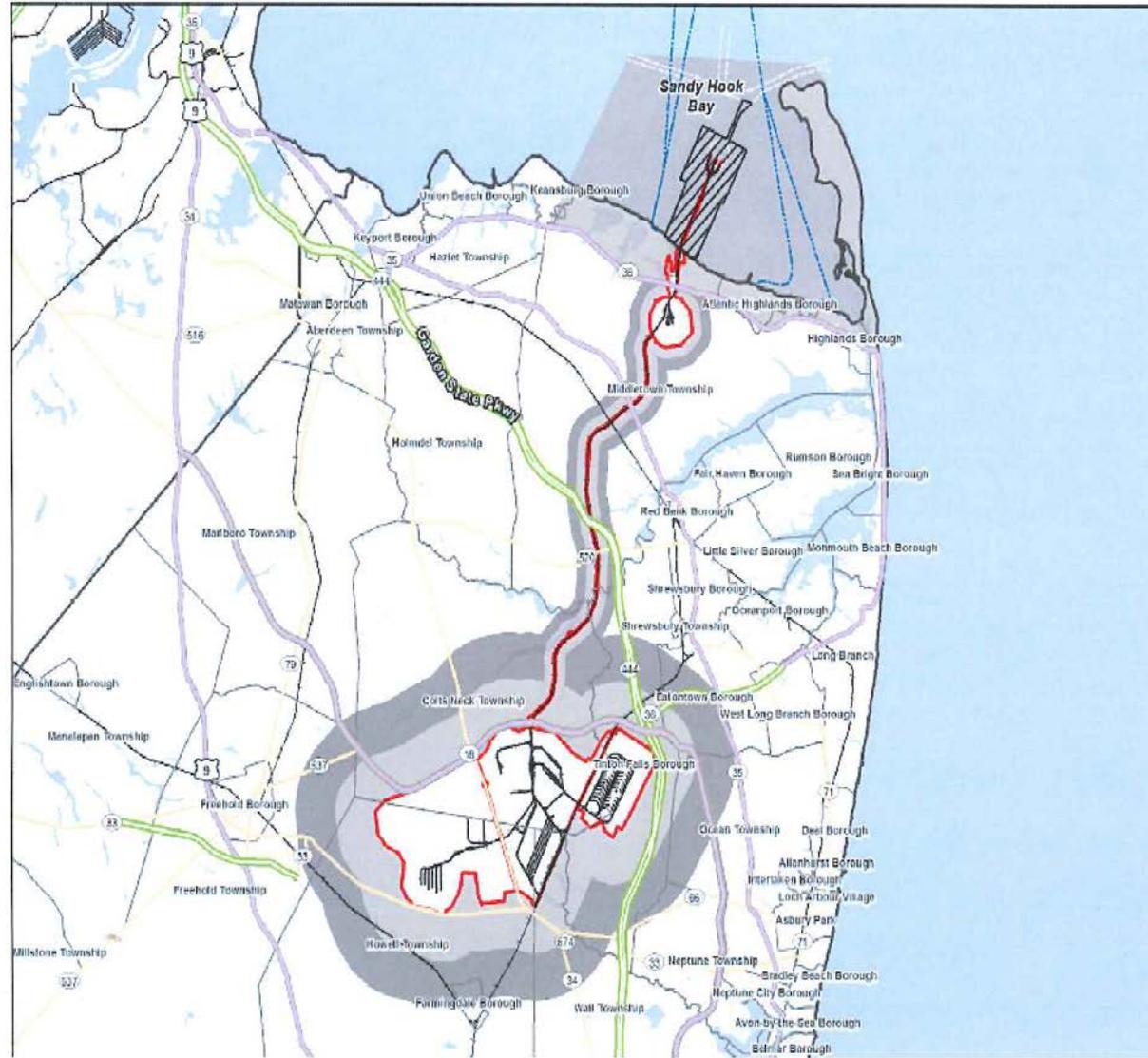
Earle & the Military Influence Area

NWS Earle Military Influence Area

NWS Earle, New Jersey

Legend

- Naval Weapons Station Earle
- NJ Counties
- NJ Municipalities
- Restricted Area
- Military Influence Area**
- Primary
- Secondary
- Major Highways**
- Limited Access
- Highway
- Major Road
- Local Road
- Railroad
- Ferry Route
- Channel



Source: ESRI 2012, Microsoft Corporation 2012, NAVFAC 2012, Monmouth County, NJ 2006



JLUS Study Partners

- County Departments, NWS Earle, State (OPA & DEP)
- Municipalities
 - 5 Earle: *Colts Neck, Howell, Middletown, Tinton Falls & Wall*
 - 8 Military Influence Area: *Atlantic Highlands, Highlands, Eatontown, Farmingdale, Freehold Township, Keansburg, Neptune & Ocean*



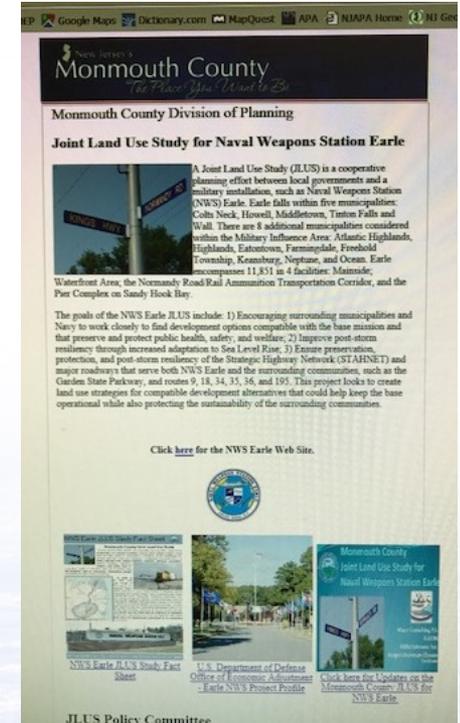
JLUS Study Partners

- Technical Working Groups
 - Economic Development (MODC, Chambers, Businesses, etc.)
 - Bayshore (Sea Grant, Baykeeper, Marinas, etc.)
 - Watershed Municipalities (NJ FRAMES)
 - Environmental (MCEC)



Public Outreach

- Invited public involvement & comment at project milestones
 - Public Kick-off – March 28th
 - Outreach Open House – September 27th
 - Study Recommendations – December 7th
- Outreach & Promotion
 - Websites
 - Social Media



JLUS Results

- Analysis of Existing Conditions
- Compatibility Assessment & Tools
 - Economic Development
 - Transportation
 - Utilities
 - SLR & Storm Resiliency
- 37 Recommendations

AND...

- *Increased communication between partners*
- *New opportunities for joint projects*
- *New potential funding sources*



Compatible Uses

- NWS Earle Mission
 - Supplying the North Atlantic Fleet
 - Transport and store ordnance
- Municipal Planning
 - What uses are compatible or incompatible
 - PL 2016, Chap. 21 Land Use Planning near Military Installations
 - Affordable Housing Allocations

Municipal Land Use		
NAICS Code*	Use	
11	Agriculture, Forestry, Fishing, and Hunting	Compatible
21	Mining	Compatible
22	Utilities	Compatible
23	Construction	Compatible
31-33	Manufacturing	Compatible
42	Wholesale Trade	Compatible
44-45	Retail Trade	Compatible
48-49	Transportation and Warehousing	Compatible
51-52	Information	Conditionally Compatible**
52	Finance and Insurance	Compatible
53	Real Estate Rental and Leasing	Compatible
54	Professional, Scientific, and Technical Services	Compatible
55	Management of Companies and Enterprises	Compatible
56	Admin and Support and Waste Mint and Remediation Services	Compatible
61	Education Services	Conditionally Compatible
611110	Elementary and Secondary Schools	Not Compatible
611210	Junior Colleges	Not Compatible
611310	Colleges, Universities, and Professional Schools	Not Compatible
62	Health Care and Social Assistance	Conditionally Compatible
622110	General Medical and Surgical Hospitals	Not Compatible
623110	Nursing Care Facilities	Not Compatible
623311	Continuing Care Retirement Communities	Not Compatible
623312	Assisted Living Facilities for the Elderly	Not Compatible
623990	Other Residential Care Facilities	Not Compatible
624221	Temporary Shelters	Not Compatible
624410	Child Day-Care Services	Not Compatible
71	Arts, Entertainment, and Recreation	Conditionally Compatible
72	Accommodation and Food Services	Conditionally Compatible
721110	Hotels and Motels	Not Compatible
721120	Casino Hotels	Not Compatible
81	Other Services (except Public Administration)	Conditionally Compatible
92	Public Administration	Conditionally Compatible
922140	Correctional Institutions	Not Compatible
<i>Notes:</i>		
* North American Industry Classification System (NAICS)		
** Land uses are generally compatible except for the uses listed		

Study Recommendations

37 Recommendations in 7 Categories

- Communication/Outreach
- Land Use
- Economic Development
- Transportation
- Utilities
- Security
- Climate Resilience

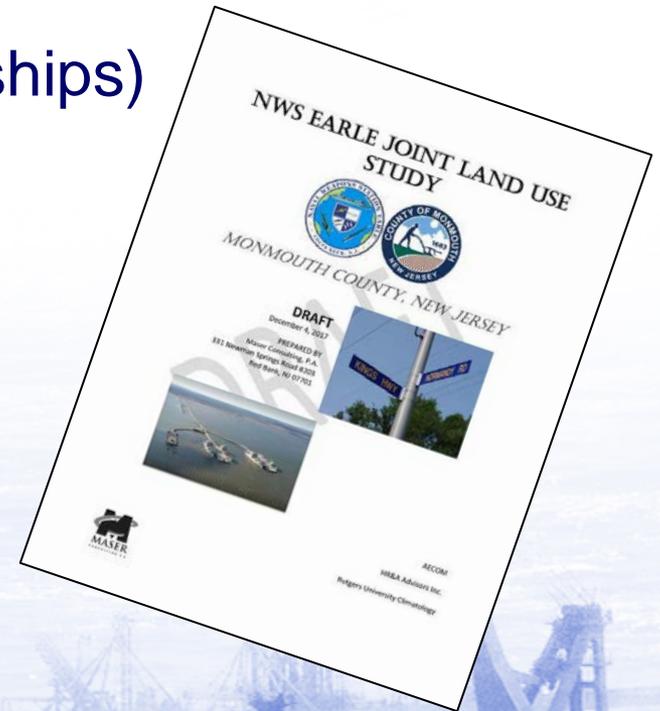


9 Recommendations for Resiliency

1. Coordinate efforts for naturalized beach erosion/shoreline protection projects protecting both Navy and community waterfronts
2. Develop Marsh & Dune Restoration Plan, coordinating with partners to determine partner facilities that could be suitable locations
3. Investigate potential joint stormwater management improvement projects
4. Continue to work with NJ FRAMES on resiliency recommendations
5. Conduct site specific vulnerability assessments of critical assets
6. Identify water-dependent uses and working waterfront uses and determine future adaptive capacity for storm resiliency & economic sustainability
7. Continue assisting municipalities with Community Rating System (CRS) leveraging of additional and regional resilience efforts
8. Identify critical evacuation/transportation routes vulnerable to storm and nuisance flooding
9. Revise planning documents to reflect SLR and exposure assessment

Incorporating Resiliency Into Planning

- Municipal buy-in through involvement
- Provided both the analysis and tools
- Collaboration on potential solutions
- Offering a regional approach (partnerships)
 - Greater opportunities for funding
 - More bang for the buck
 - Continued assistance and dialogue



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