Resilient Hampton

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2018 JLUS Addendum

Update to 2010 JLUS Focus on Improving Resilience and Promoting Adaptation

Builds upon Resilient Hampton Initiative
Purpose

INCREASED RISK: SEA LEVEL RISE AND RECURRENT FLOODING

IDENTIFY RESILIENCE STRATEGIES

REINFORCE MUTUALLY SUPPORTIVE PARTNERSHIP

FEMA 100-Year (1% Annual Chance) Floodplain
Forces of Water

- Increased Precipitation
- Groundwater
- Surface Runoff
- Storm Surge
- Rising Tides
Resilient Hampton

Solutions based on values
Reinforce assets
Layer benefits
Strengthen partnerships
Use best data
Share knowledge & resources
Project relative sea level change at Sewell's Point, Virginia - 2000-2100

- Low (Historic)
- Intermediate-Low
- Intermediate
- Intermediate-High
- High
- Extreme
- Observed MMSL

NOAA 2017


- 1.5’ SLR
- 3’ SLR
- 4.5’ SLR

RESILIENT HAMPTON
Community Engagement
Community Defined Values

SAFE – REDUCE RISK
EQUITABLE – DISTRIBUTION OF BENEFITS
NATURAL – PROTECT ECOSYSTEMS
HERITAGE – HISTORY AND CULTURE
INTEGRATED – CONNECT SYSTEMS
SUFFICIENT – LEVERAGE INVESTMENTS
NIMBLE – BE ABLE TO ADAPT
INNOVATIVE – FORWARD THINKING
Solutions recommended:
Broad, shared scale
Inside the base
Outside the base

Aligned with Resilient Hampton goals and values
6. Promote a shared culture of preparedness among all partners

**Strategy**

Develop and support strategies to mitigate vulnerabilities beforehand so that critical systems will remain in stable operation for emergency response, and negative impacts will be minimized when a major event occurs.

**Resilient Hampton Principles**

Create Value-Driven Solutions, Share Knowledge and Resources

**Resilient Hampton Values**

Safe, Equitable, Heritage, Nimble, Innovative

**Implementation Actions**

**Action 6.1**

Share responsibility and accountability for risk reduction with neighboring municipalities and other partners, including JBLE-Langley, VDOT, and regional utility providers. Develop and share the data and tools needed to make risk-informed mitigation investments. Organize regular coordination among entities to address specific vulnerabilities as well as planned projects.

**Lead Agency**

City of Hampton, JBLE-Langley, and contributing partners

**Total ROM Cost**

< $50,000

**Priority**

Short term

**Funding**

Staff Time and Resources
Emergency Management Performance Grant Program

**Potential Partners**

City of Newport News
York County
City of Poquoson
Hampton Roads Planning District Commission (HRPDC)
Hampton Roads Transportation Planning Organization (HRTPO)
Virginia Department of Emergency Management (VDEM)
Virginia Department of Transportation (VDOT)
Regional utility providers

For more information, reference pages 16-19, 84-85
13. Identify interdependencies among utilities

Strategy
Identify interdependencies among utilities serving JBLE-Langley and coordinate resilient upgrades, specifically between power and data.

Resilient Hampton Principles
Layer Public Benefits, Strengthen Partnerships, Use Best Data, Share Knowledge and Resources

Resilient Hampton Values
Safe, Integrated, Sufficient, Nimble, Innovative

Implementation Actions
Action 13.1
Continue existing conversations between utility providers that were begun in Spring 2018, and study how different systems depend on each other, in which scenarios these relationships may fail to maintain mission readiness, and which measures can be implemented to improve overall resilience. Consider systems such as smart grids, microgrids, and renewable energy. Prioritize changes to the most vulnerable systems.

Lead Agency
JBLE-Langley
City of Hampton
Utility providers

Total ROM Cost
< $50,000

Priority
Short term

Funding
Staff Time and Resources

Potential Partners
City of Newport News
City of Poquoson
VDOT
York County

For more information, reference pages 52-55
Neighbors

[Image of maps showing various areas and zones around JBLE-Langley, Hampton, and Back River.]