



Old Dominion University
Sea Level Rise Initiative
Presentation to the Joint Subcommittee to Address
Recurrent Flooding
November 5, 2014

Ray Toll
Director of Coastal Resilience Research

ODU Sea Level Rise Initiative

- President Broderick priority focus area for last 5 years
- Created the Sea Level Rise Initiative in 2010 to:
 - Facilitate research and education on sea level rise. Because of our location there is special emphasis on adaptation to increased flooding
 - Mitigation and Research Initiative (MARI) serves as the research arm of this effort

ODU Sea Level Rise Initiative

- OCEANS 12 International Conference in VBCC 3000 attendees looked at global SLR and integrated ocean observing (President Broderick was an Honorary Chair)
- TechSurge June 3, 2014 addressed technologies needed to measure SLR
- “Rising to the Challenge” Roundtable hosted by Senator Kaine, with participation from Congressman Scott, Congressman Rigell, Congressman Wittman, Norfolk Mayor Paul Fraim, Virginia Beach Mayor Will Sessoms, Secretary of Natural Resources Molly Ward, Delegate Stolle and others across local, state, and federal entities
 - Discussion around coordinated mitigation and adaptation planning across local, state and federal entities and the private sector

ODU Sea Level rise Initiative – Federal Pilot

- In June, announced the creation of a federal pilot to develop a regional “whole of government” and “whole of community” approach to sea level rise preparedness and resilience planning
- An intergovernmental planning organization that can effectively coordinate the sea level rise preparedness and resilience planning of federal, state and local government agencies and the private sector, taking into account the perspectives and concerns of the citizens of the region
- ODU will serve as the neutral facilitator and coordinator to incubate intergovernmental solutions and serve as the center for intellectual capital
- Goal is to, over the next two years, work to create the Hampton Roads Sea Level Rise Preparedness and Resilience Intergovernmental Planning Team – the first of its kind in the nation

ODU Sea Level Rise Initiative – HUD Block Grant Application

- HUD announcement in September for \$1 billion National Disaster Resiliency Competition
- Awards will range from \$1 million - \$500 million tied to specific weather events determined by HUD and required to meet certain thresholds
- Commonwealth submission will focus on Hampton Roads region mitigation and planning from Hurricane Irene
- University partnering with Commonwealth on Virginia, HRPDC, several area localities, and others on submission
 - Prequalification deadline was November 3rd
 - Phase 1 due March 16th

ODU Sea Level Rise Initiative – Creation of National Center for Sea Level Rise

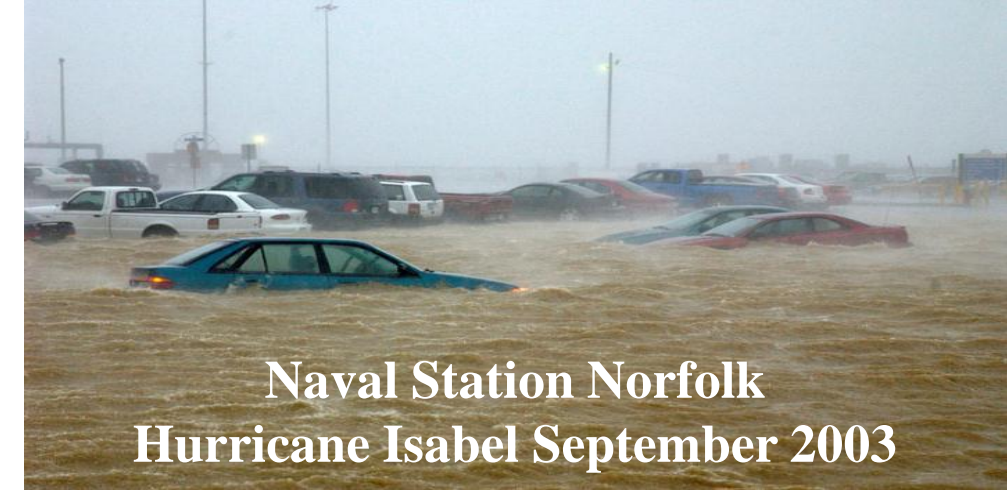
- Working with federal congressional delegation and federal agencies to establish National Center for Sea Level Rise
- In partnership with VIMS/W&M
- Center will be the first in the country
- Primary focus will be better understanding of coastal processes, applied technological and policy approaches for mitigating consequences of processes, strategies for building human adaptation and resilience with further expertise in modeling and simulation, climatology, and social science methods
- Inclusive involvement and coordinated facilitation of multiple partners across differing functions and aspects of society



Questions and Discussion



Langley Air Force Base
Hurricane Isabel September 2003

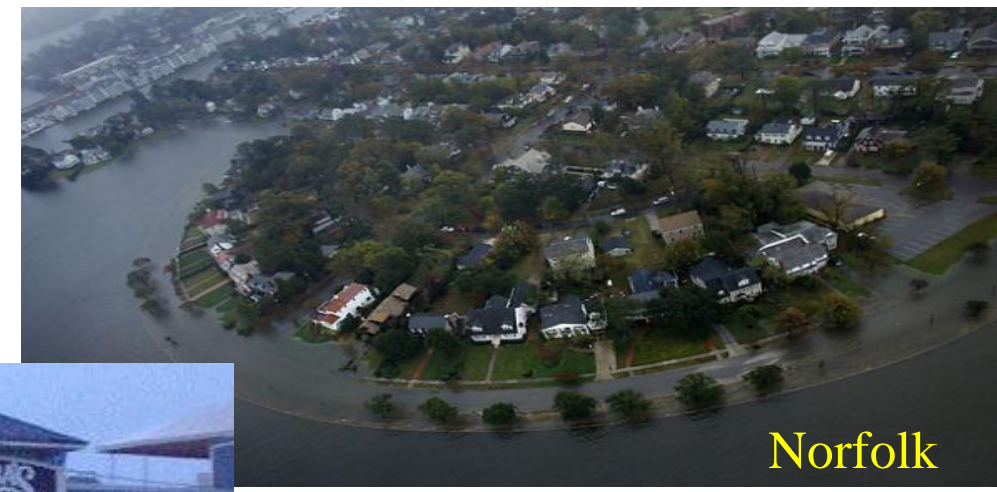


Naval Station Norfolk
Hurricane Isabel September 2003

*We are all
in this together*



Portsmouth



Norfolk



Virginia Beach