# Resilience: A Whole of Commonwealth Approach and Matthew Recovery Updates

Joint Subcommittee on Coastal Flooding
HJ 84 (2016; Del. Stolle); SJ 58 (2016; Sen. Locke)

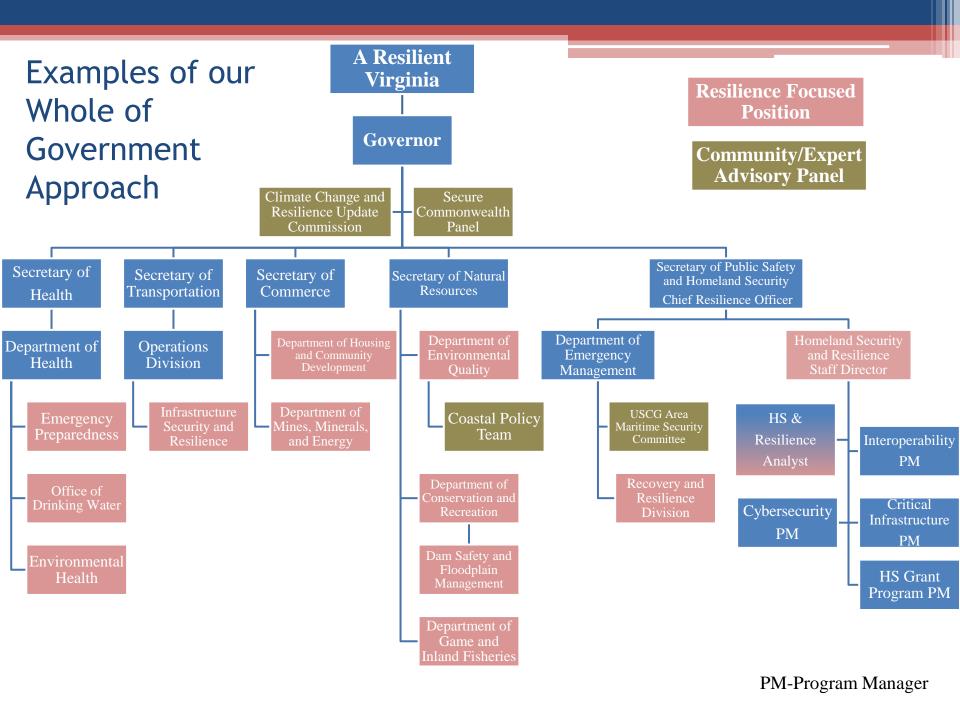
Curtis Brown October 17, 2016

Commonwealth of Virginia

# Virginia's Chief Resilience Officer

- Appointed by the Governor in December 2014 as Virginia's first Chief Resilience Officer
- Coordinates resilience efforts between state government and with local, regional, federal, and private sector partners.
- Virginia's initial point of contact for all resilience matters.





Resilience: A team sport.

Resilience: the ability of a community to withstand, rapidly recover, and strengthen following the effects of an acute or chronic event or incident.

Resilience <u>demands a broad</u>, <u>multi-disciplinary</u>, <u>multi-</u> <u>competency approach</u>



#### Resilience Efforts by the Commonwealth

• Commonwealth Chief Resilience Officer HUD-NDRC Grant Award • Commonwealth Center for Recurrent \$120,549,000 **Flooding Resiliency** • DHS S&T Funded Regional • Homeland Security and Resilience Resilience **Dashboard** Group • Intergovernmental Pilot Project • VA Shoreline Resiliency Fund • Virginia Area Maritime **Collaboration & Funding Security Committee** Coordination • SCP Unmanned Aerial **Systems Sub-Panel Technology Policy Secure Commonwealth Panel** • Cyber Security Commission

- NGA/DoE Energy Assurance
- Climate Change and Resiliency **Update Commission**
- Joint Legislative Subcommittee to Study Recurrent Flooding, NKA Joint **Legislative Subcommittee to Study Coastal Flooding**

- National Guard Cyber Assessments
- Water/Sewage Cyber Systems **Security**
- Unmanned Systems Commission
- NOAA's Port of Tomorrow
- VDEM/USACE 2-year Hurricane Study

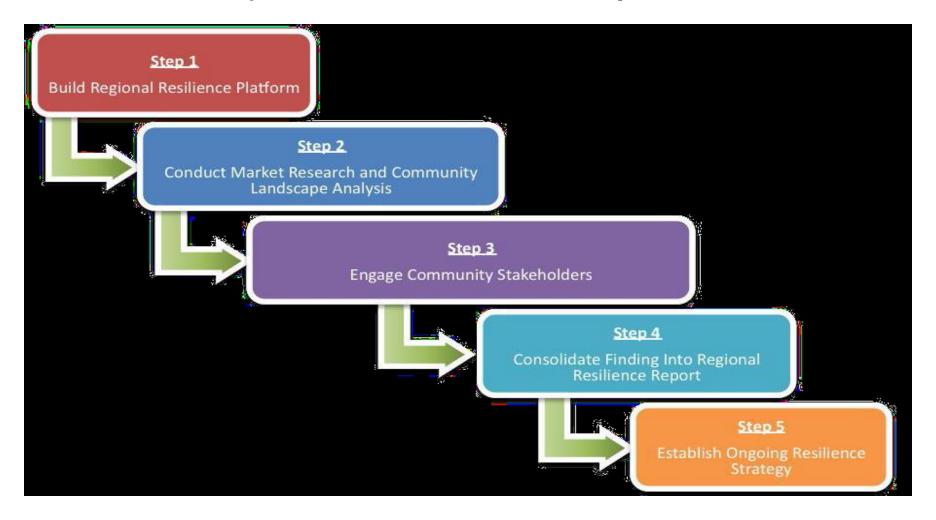
Commonwealth of Virginia

# Phase I Resilience Dashboard Project

- Federal grant to define resilience and identify data sources.
- Ultimately, result is a regional dash board to better understand impacts and threats: climate, social, economic, man-made, etc.
- Measures resilience changes while improvement projects are underway or as an assessment tool during decision making processes



## Community Resilience Development Process



#### \$120 Million- US HUD NDRC Grant Award

#### THRIVE: Resilience In Virginia Build Unite Create Strengthen Vulnerable Veighborhoods Improve Economic Water Coastal The Management Resilience Reaion Solutions Create an alliance of Leverage existing Emphasize known Concentrate expertise. Generate crosslocal governments studies and vulnerable resources, innovation discipline impacts projects populations Focus on: Maritime. Build public/private Reduce emergency Storm, Flood, & Rising outreach, Incorporate Align with HUD's response burdens Water Resilience connectivity and physical, social, Livability Principles Measure consensus economic effects **Build businesses and** Create micro improvement a labor force to Focus on common **Build a Coastal** neighborhood quantitatively manage water challenges and Resilience preparedness plans opportunities Lab/Accelerator



Projects focused on populations most vulnerable to future threats and hazards, including climate change

- Ohio Creek Watershed Project – Chesterfield Heights and Grandy Village
- Coastal Resilience Laboratory and Accelerator Center

Commonwealth Center for Recurrent Flooding Resilier

THE PORT OF

- Commonwealth Center for Recurrent Flooding
- Resiliency
- White House Sea Level Rise Preparedness and Resilience Intergovernmental Pilot Project
- Virginia Area Maritime Security Committee
- Governor's Climate Change and Resiliency Update Commission



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## On-going and Future Resilience Related Activities

- Directed funding of over \$3,057,765.00 to support flood mitigation and resilience projects
- VDEM recently awarded \$420,000 Preparedness and Resilience Projects
- New Recovery and Resilience Division at VDEM
- 2017--Resilience and State/Local Collaboration

## **Hurricane Matthew October 2016**

