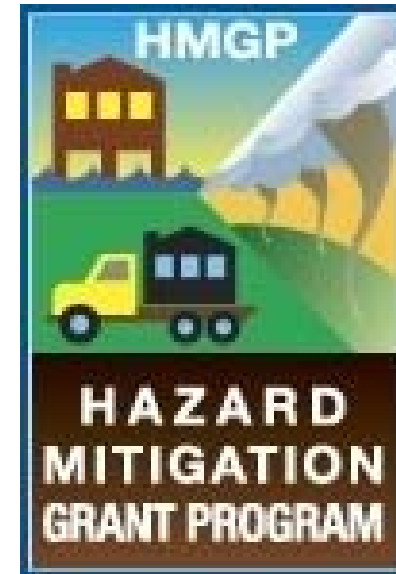


Commonwealth Priorities

Hazard Mitigation Assistance Grants



Virginia Department of
Emergency Management

Pre-Disaster Mitigation Grant



- Annual grant focused on climate resilience, infrastructure, and non-flood related projects.



Flood Mitigation Assistance Grant



- Annual grant focused on mitigation structures that are insured through the NFIP and have sustained numerous flood claims.



Hazard Mitigation Grant Program



- Post-disaster grant, designed to reduced future risk for impacted areas. Available statewide.



Commonwealth Priorities

- Strategic level projects that have multiple benefits
 - Climate resilience mitigation activities
 - Large scale projects with whole community impacts
 - Holistic mitigation measures (protects multiple hazards)
 - Infrastructure protection projects
 - Alert and warning projects
 - State level projects
 - Improved data in mitigation plans to drive project development



HMA Programs

- Designed to reduce long term risk and break the repetitive cycle of damage, repair, damage.



Priority Project Types Tier 1



Virginia Department of
Emergency Management

Flood Risk Reduction Projects



Virginia Department of
Emergency Management

Infrastructure Retrofit

- Measures to reduce risk to existing utility systems, roads, and bridges



Flood Diversion and Storage



- These projects involve diverting floodwaters from a stream, river, or other body of water into a conduit such as a canal, pipe, or wetland and storing them in an above-ground storage facility.



Floodplain and Stream Restoration



- Projects that restore and enhance the floodplain, stream channel and riparian ecosystem's natural function.



Soil Stabilization

- Projects to reduce the risk to structures or infrastructure from erosion and landslides.
 - Installing geotextiles
 - Stabilizing sod
 - Installing vegetative buffer strips
 - Decreasing slope angles
 - Stabilizing with rip rap and other means





2



Emergency Management

Site



Virginia Department of
Emergency Management

Green Infrastructure



- Flood risk reduction and drought mitigation actions that also incorporates ecosystem benefits and helps build a community's resilience to the impacts of climate change.



Aquifer Storage and Recovery



- Drought Management Tool, but can also be used to reduce flood risk.



Wildfire Mitigation



- Creation of defensible space
- Application of ignition resistant construction
- Hazardous fuels reduction



Generator Acquisition and Installation



- Must protect a critical facility
 - Hospitals/Nursing Homes
 - Police/Fire/EOCs
 - Public/Private Utility
 - HazMat production/storage facilities



Priority Project Types Tier 2

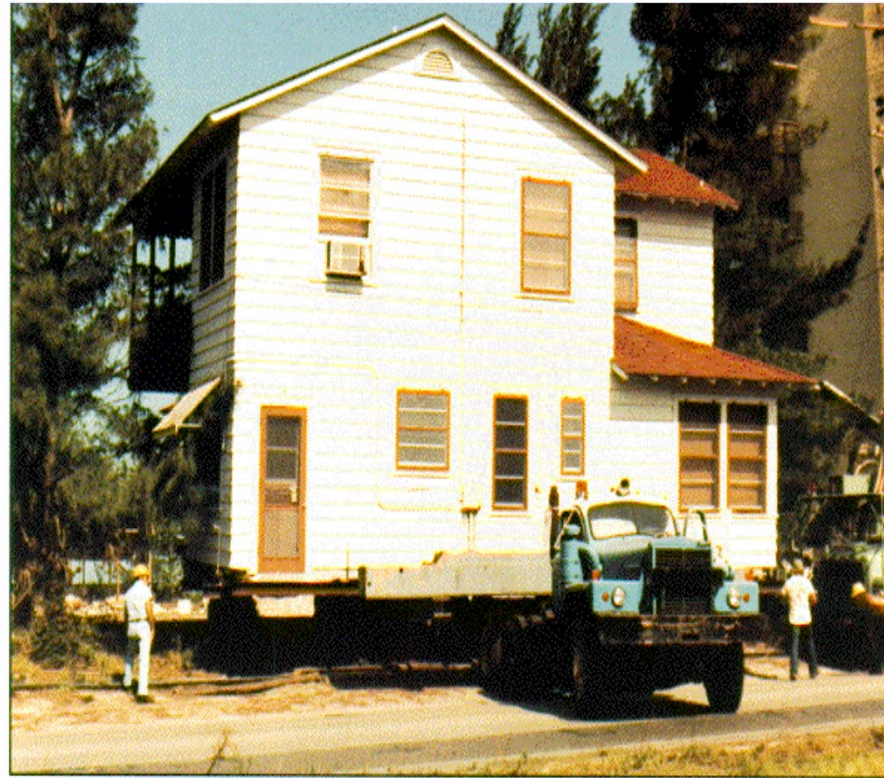


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Property Acquisition and Structure Demolition



Property Acquisition and Structure Relocation



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Structure Elevation



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Mitigation Reconstruction



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Floodproofing



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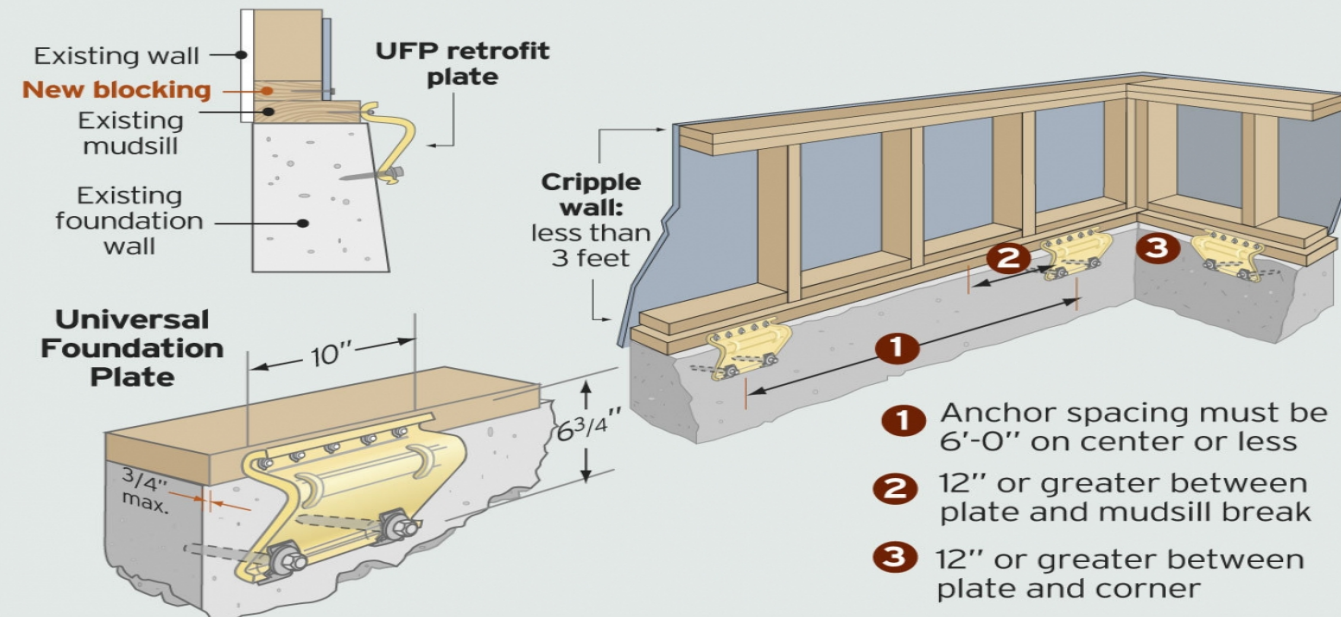
Retrofitting for Earthquakes

Protecting against earthquakes

Quake effects on homes on raised foundations



Anchoring the mudsill to foundation with Universal Foundation Plate



Source: Simpson Strong-Tie

DAN AGUAYO/THE OREGONIAN



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Safe Room Construction

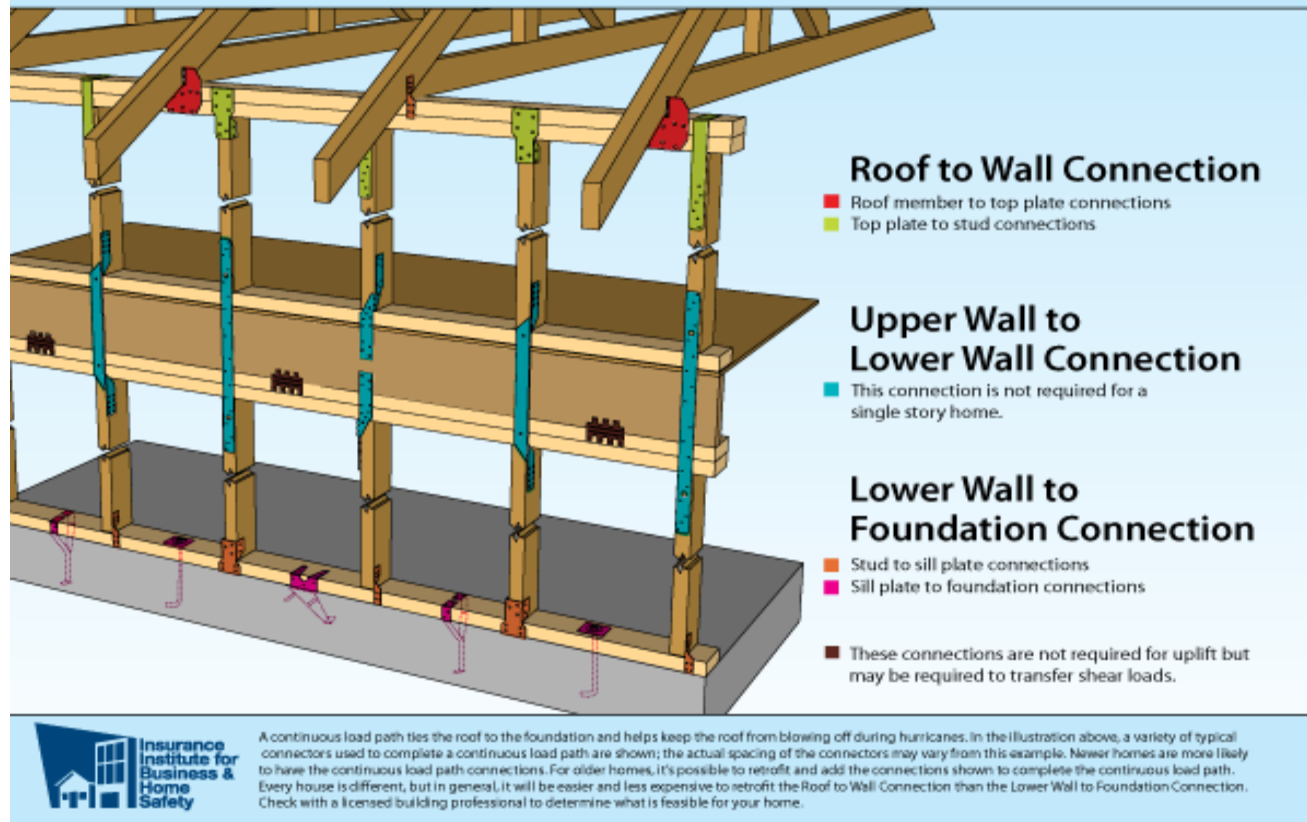


- Residential, non-residential, and community safe rooms (hurricane and tornado).



Residential Wind Retrofits

Continuous Load Path To Resist Uplift Forces

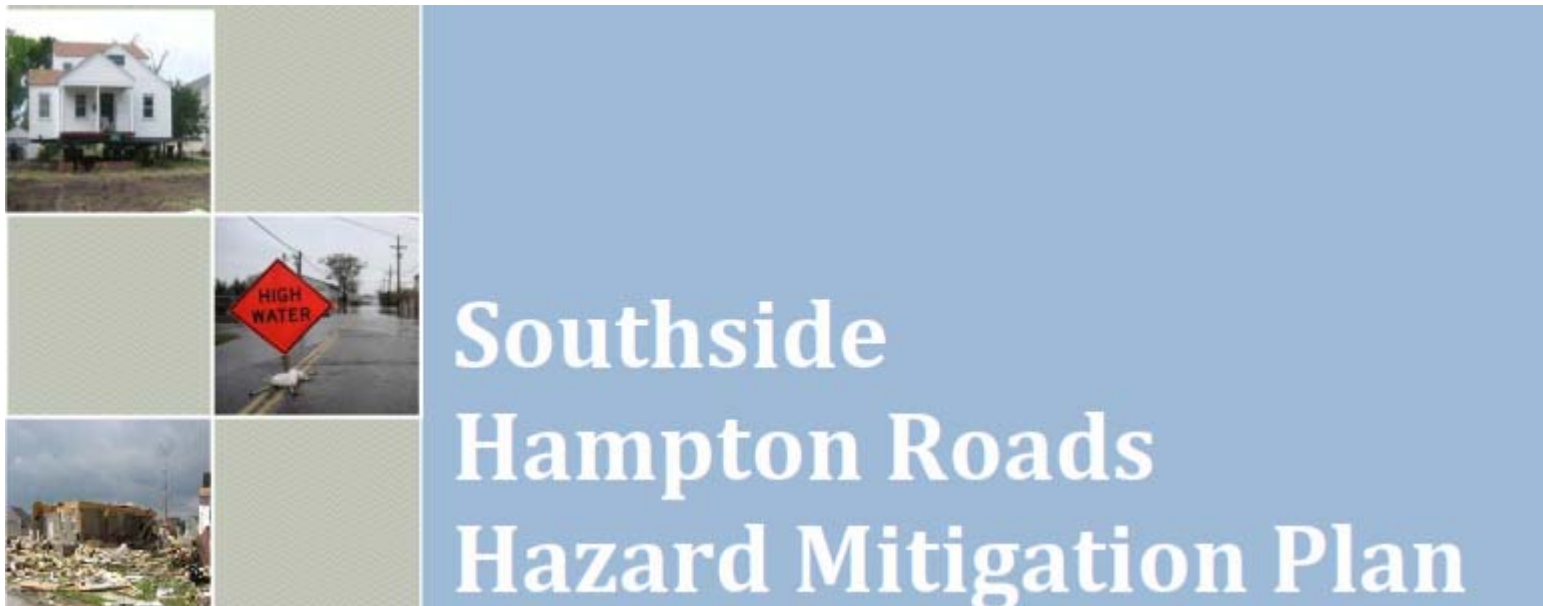


Post Disaster Code Enforcement

- Projects designed to support the post-disaster rebuilding effort by ensuring that sufficient expertise is on hand to ensure appropriate codes and standards, including NFIP local ordinance requirements, are used and enforced.



Hazard Mitigation Planning



5% Initiative Projects

- Projects that do not require benefit cost analysis
 - Alert and warning systems
 - Reverse 911
 - River Gauges
 - Tornado Sirens
 - Purchase of generators or quick connects
 - Public awareness or education campaigns
 - Hazard identification/mapping equipment for implementation of mitigation activities



Benefit Cost Breakdown

- Required for all structural projects
- Determines future dollar losses avoided by mitigation activity
- Based on FEMA determined project useful life
- Requires documentation of damage history and/or current conditions (current elevation of structure with respect to 100 year flood levels)





PDM Breakdown

- FEMA Priorities
 - Climate Resilient Mitigation Activities
 - Wildfire Mitigation Activities
 - Non-flood mitigation activities
 - Flood mitigation activities
 - Generator projects
 - Mitigation Planning
- Funding
 - \$90M in FY 2016, \$4M fed share cap on projects
 - Each state gets a \$575k set-aside





FMA Breakdown

- FEMA Priorities
 - Projects that mitigate flood damage for at least 50% of the structures that are Severe Repetitive Loss (SRL)
 - Projects that mitigate flood damage for at least 50% of the structures that are Repetitive Loss (RL)
 - Projects that will mitigate flood damage to the largest number of NFIP-insured properties at the neighborhood level
- Funding
 - **\$199M for FY 2016, up to 100% fed share**



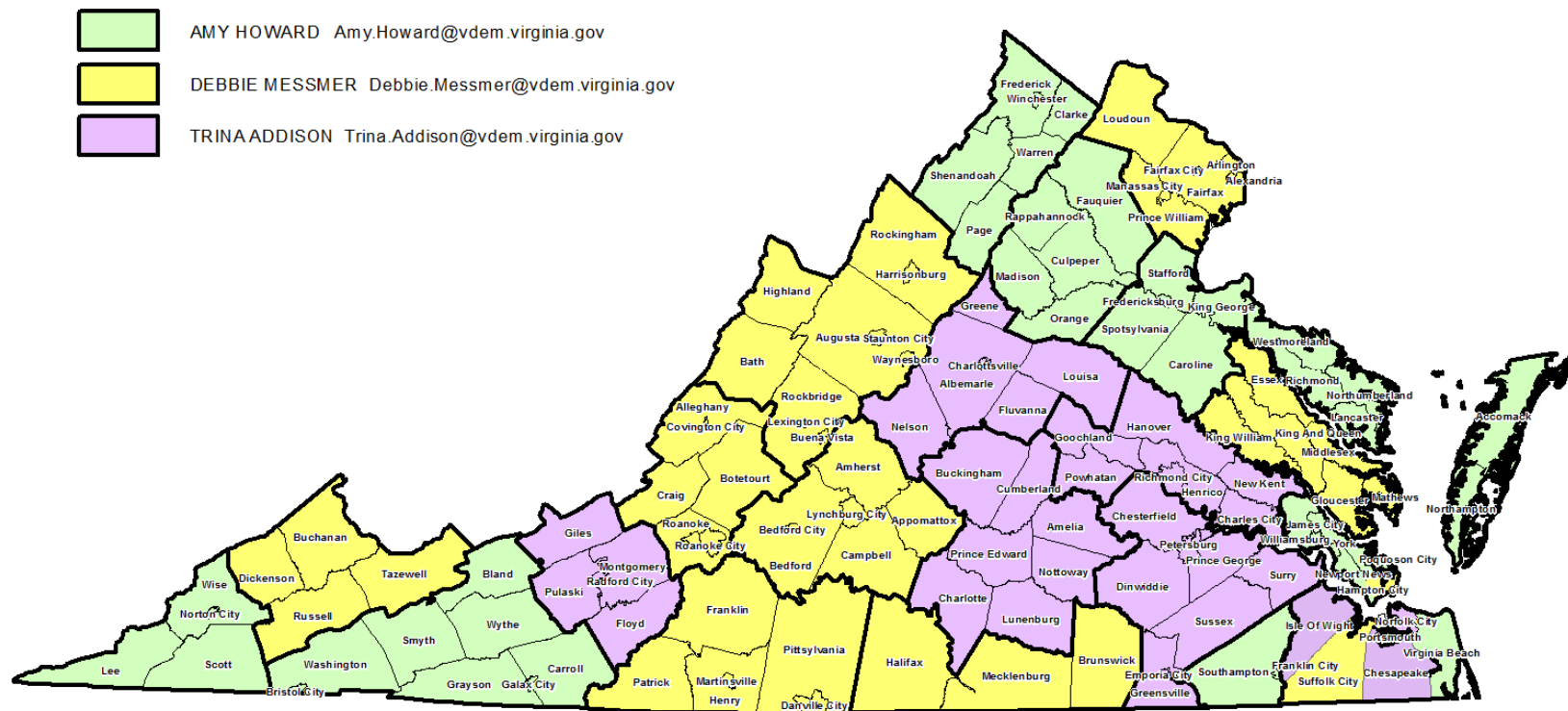


HMGP Breakdown

- State Sets Priorities
- 15% of total disaster costs (PA and IA)
 - 88% of funds must be structural projects (BCA required)
 - 7% of funds may be used for mitigation planning projects
 - 5% of funds may be used for initiative projects (no BCA required)



Mitigation Grant Administrators



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Questions

