

Hazard Mitigation Assistance Grants

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Grants Administrator



Virginia Department of
Emergency Management

Hazard Mitigation Grant Program

- Post-disaster grant focused mitigating properties and areas impacted by recent disasters
- Funding
 - Dependant on public assistance and individual assistance obligated to the state
 - Projects can be structural, planning, and initiative projects not requiring a benefit cost analysis
 - 75% federal share and 25% local share, historically the state has contributed up to 20% of the local share requirement



Flood Mitigation Assistance Grant

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

- Funding

- \$160M for FY 2018, up to 100% fed share
- Priority given
 - to communities with a high number of NFIP policies
 - to communities participating in CRS
- Focus on Community projects and the max project amount can be \$10,000,000, plus advanced funding is available



Pre-Disaster Mitigation Grant



- Annual grant focused on climate resilience, infrastructure, and non-flood related projects.
- Funding
 - \$249M in FY 2018, \$4M fed share cap on projects
 - Each state gets a \$575k set-aside
 - 75% federal share and 25% local share
 - Great for project types benefitting a state agency, local government, or hospital



Flood Risk Reduction Projects



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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

Reach 12 of Snakeden Branch - Reston, Virginia



Before Restoration

Erosion of this urban stream's bed and banks exposed buried utility lines, damaged adjacent walking trails, and exposed tree roots, causing healthy trees to topple.



1.5 years after restoration construction

During restoration construction, the stream bed was raised to reconnect with the floodplain. Placement of rock structures directs flow away from channel banks and creates riffles & pools.

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



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Water and Sanitary Sewer Protective Measures



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Infrastructure and Utility Protective Measures



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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



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.



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Aquifer Storage and Recovery



Drought Management Tool, but can also be used to reduce flood risk. Diverting surface water supplies into an aquifer for later recovery and use.



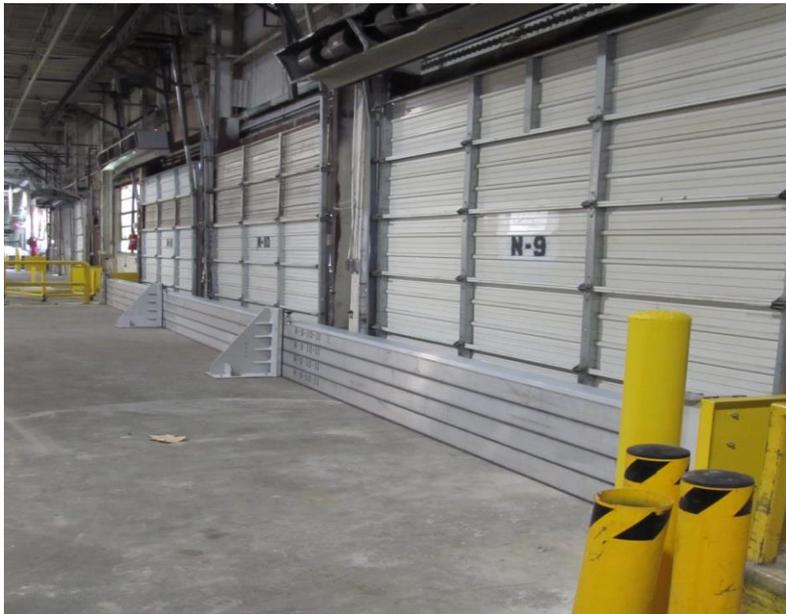
Wildfire Mitigation



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



Floodproofing



Ideal for Historic Structures



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Mitigation Reconstruction



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Property Acquisition and Structure Demolition

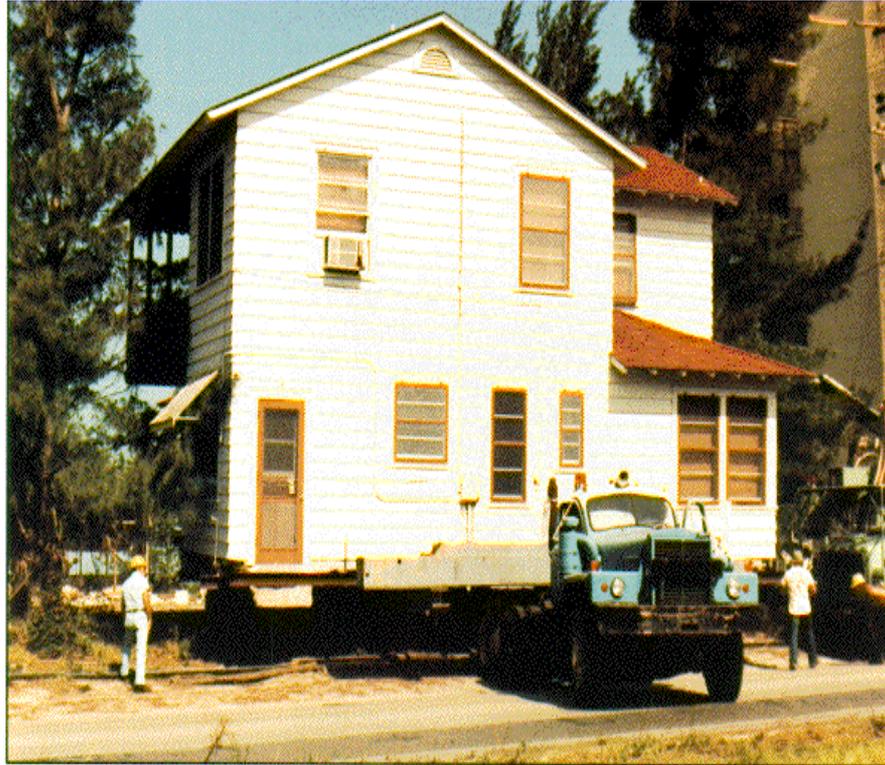


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Property Acquisition and Structure Relocation



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Safe Room Construction



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



Generator Acquisition and Installation



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



Residential Wind Retrofits



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Questions

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