

South Carolina Disaster Recovery Office

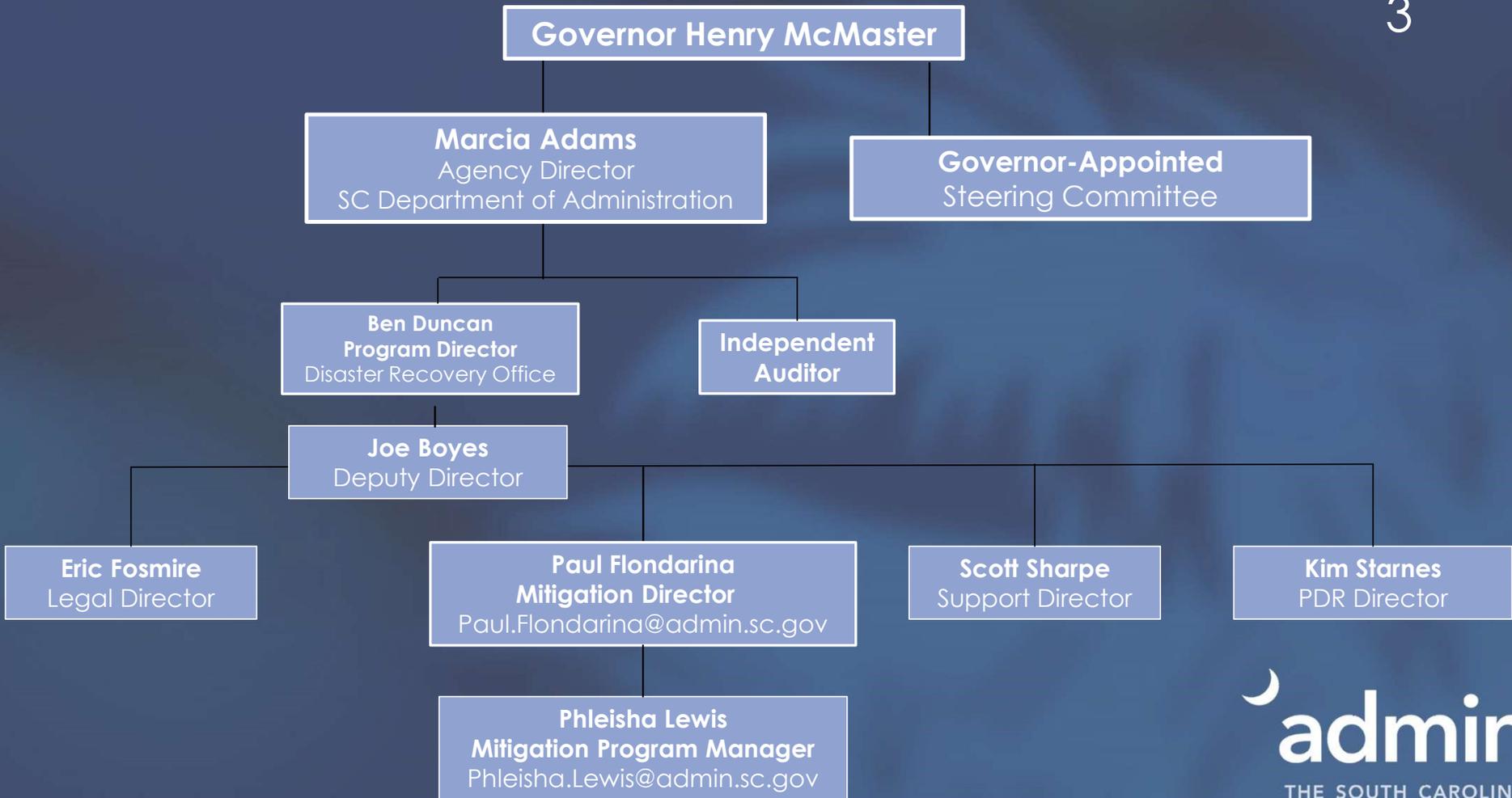
MITIGATION PROGRAM STATUS

CDBG-Mitigation Definition

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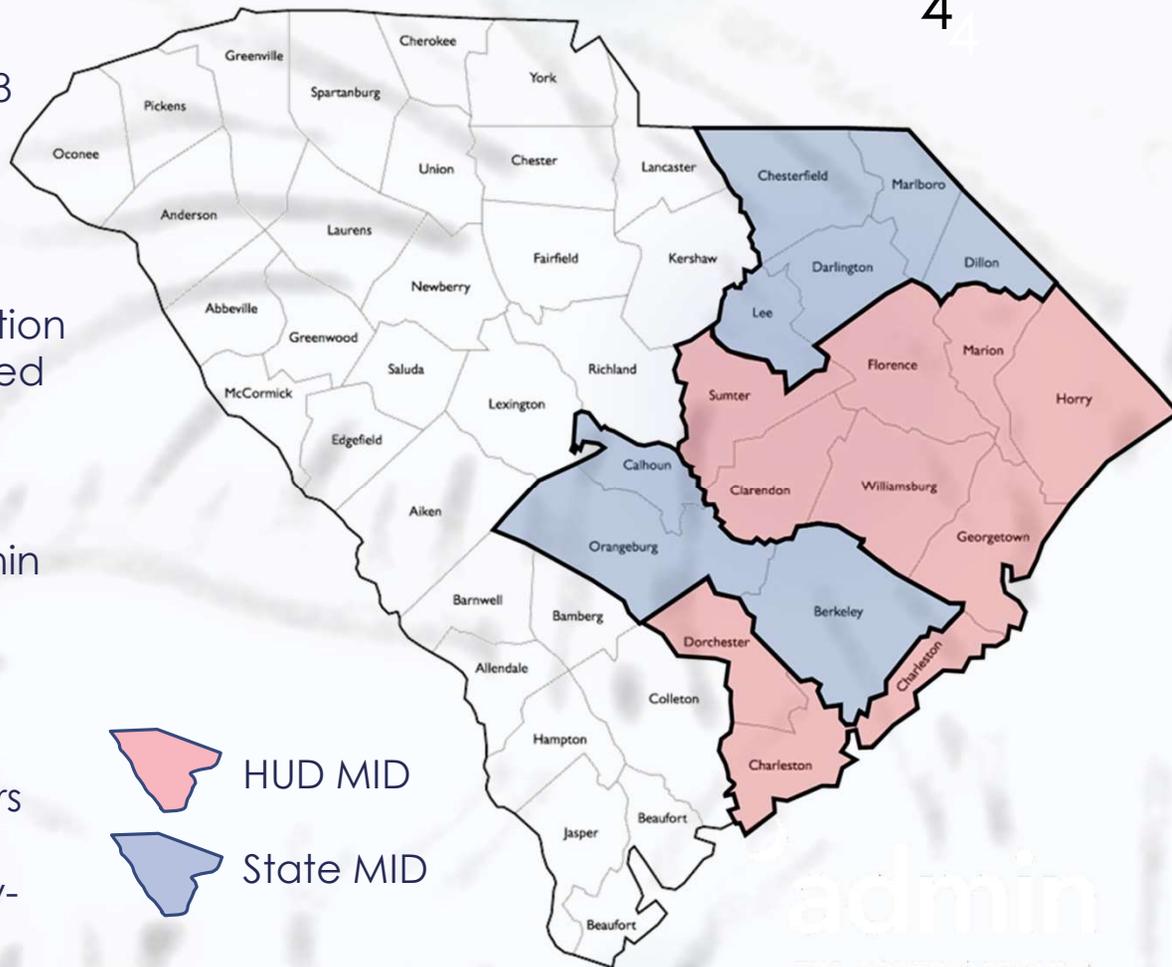
“Those activities that increase resilience to disasters and reduce or eliminate the long-term risk of loss of life, injury, damage to and loss of property, and suffering and hardship, by lessening the impact of future disasters.”

—CDBG-MIT Federal Register Notice (8/30/2019)



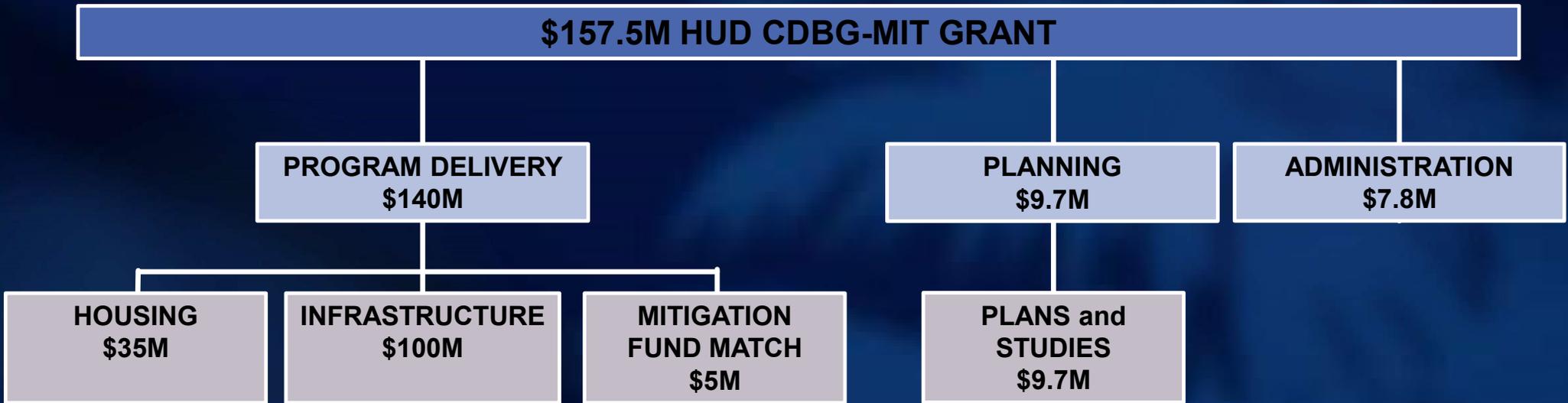
CDBG-Mitigation

- HUD announced allocation of \$157M to the State of South Carolina in April 2018
- Federal Register Notice published on August 30, 2019
- At least \$50M of funds must address mitigation needs in HUD Most Impacted and Distressed (MID) areas
- May expend funds outside of MID areas if demonstrated how funds will mitigate within the MID areas
- 50% of allocation must be spent in 6 years
- 100% of allocation must be spent in 12 years
- 50% of all CDBG-MIT funds must benefit low-to-moderate income (LMI) persons



CDBG-Mitigation

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CDBG-Mitigation

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Eligible Activities

Infrastructure

- Public infrastructure to reduce future flood risks
 - Will not include maintenance projects

Housing

- Buyouts
 - Targeted communities in the floodplain
 - Coordinated through counties & municipalities

Federal Funding Match

Plans and Studies

- Update of FEMA-approved Local Hazard Mitigation Plans (HMPs)
- Studies to identify potential flood reduction projects to be funded through the infrastructure activities

At least 50% of funds must benefit low to moderate income (LMI) persons

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Eligible Activities

Infrastructure

- **Public infrastructure to reduce future flood risks**
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Housing

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Matched Leveraged Funding

Plans and Studies

- Update of FEMA-approved Local Hazard Mitigation Plans (HMPs)
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At least 50% of funds must benefit low to moderate income (LMI) persons

CDBG-Mitigation Infrastructure

SCDRO will allocate infrastructure mitigation funds in three phases

Phase	Dollar Amount	Time	Purpose
Phase 1	\$50 million	Year 1 – Year 3	<ul style="list-style-type: none"> • Shovel ready projects • Planning funds will assist jurisdictions without shovel-ready projects in development or studies
Phase 2	\$40 million and, if any, remaining funding from Phase 1	Year 3- Year 6	Projects that are now shovel ready as a result of planning or studies that were conducted in Phase 1
Phase 3	\$10 million and, if any, remaining unobligated funding from both prior phases	Commence no later than the start of <u>year 6</u> of the program and conclude when all funds are dispersed	Any remaining shovel ready projects

*Only local governments (counties and municipalities) may apply for funds

CDBG-Mitigation Infrastructure

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Some examples of the types of activities include:

- Installing, re-routing, or increasing the capacity of a storm drainage system
- Increasing drainage or absorption capacities with detention and retention basins, relief drains, and spillways
- Increasing dimensions of drainage culverts in flood-prone areas
- Using stream restoration to ensure adequate drainage and diversion of storm water
- Protection of critical infrastructure facilities (water and sewer infrastructure)

Infrastructure Prioritization

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Low-to-Moderate Income

LMI population benefited by proposed improvements



Flood Risk Reduction

Flood protection level of service provided and number of equivalent structures benefited by proposed improvements



Benefit-Cost Ratio

Estimated cost per equivalent structure benefited by proposed improvements



Permitting Requirements

Ability to acquire permits and meet overall schedule



Leveraged Funding

Potential cost share opportunity for proposed improvements



Phasing Considerations

Ability to use phased approach to implementation of larger projects



Project Synergies

Ability to complete simultaneously with companion projects



Mobility Improvement

Potential for increased mobility due to proposed improvements



Environmental Impact

Environmental impact or benefit of proposed improvements





CDBG-Mitigation Infrastructure

Stormwater Mitigation Historic Storm Event

Before Mitigation

Structures Inundated:

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- 30 Homes
- 3 Roads
- 7 Businesses

Max Depth: 5.3'

After Mitigation

Structures Inundated:

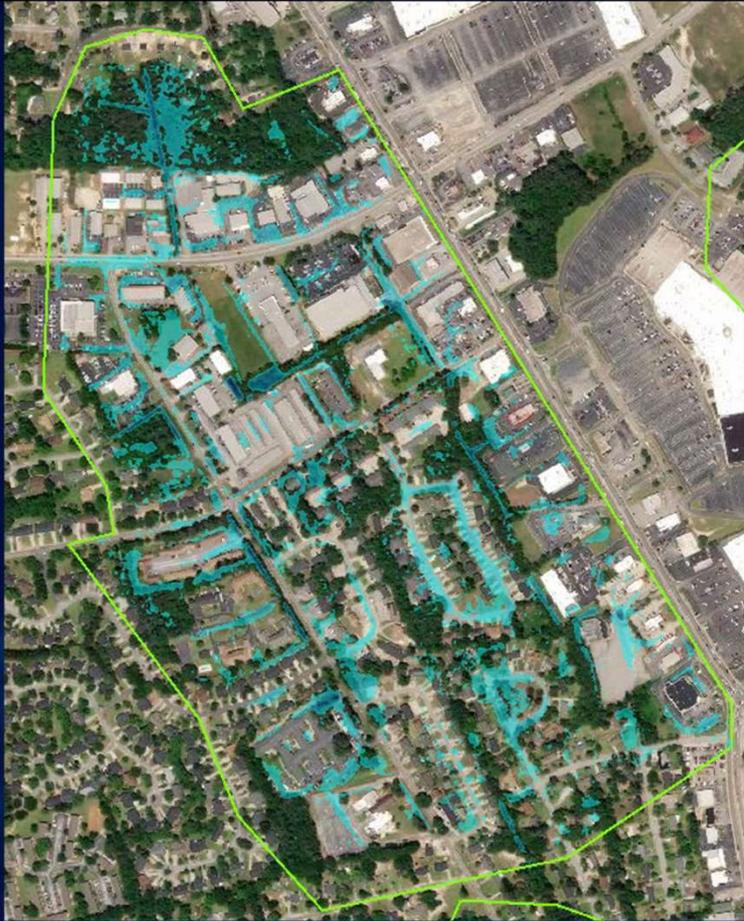
- None

Max Depth: 0.2'

BEFORE MITIGATION



AFTER MITIGATION

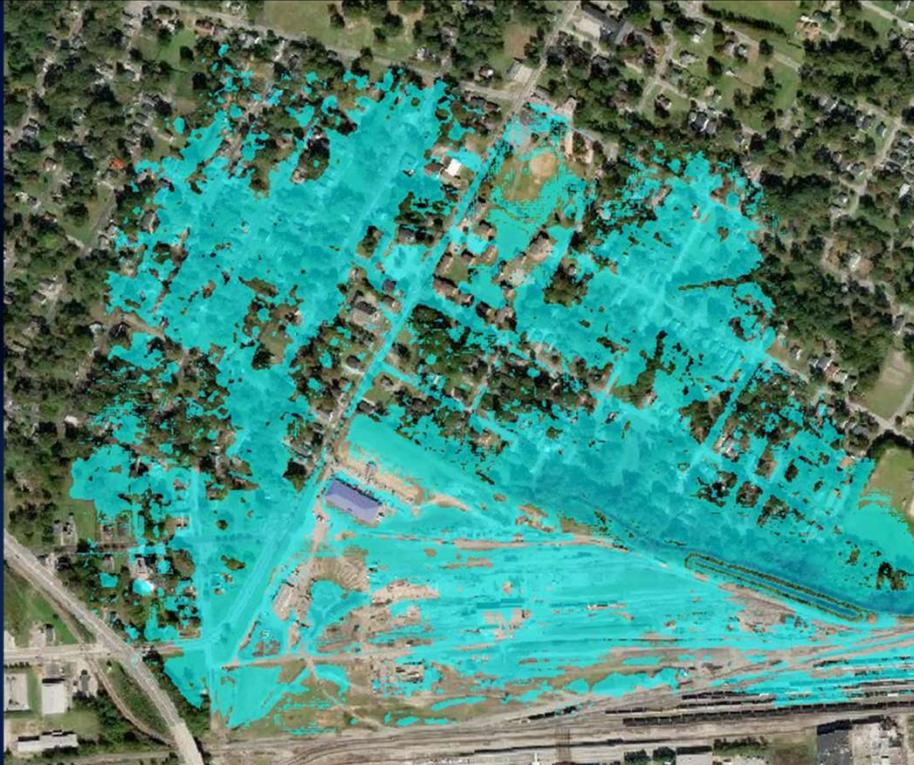


Project Type: Construction of a detention pond

BEFORE MITIGATION

AFTER MITIGATION

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Project Type: Storm drainage system improvements for localized flooding

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Eligible Activities

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Housing

- **Buyouts**
 - **Targeted communities in the floodplain**
 - **Coordinated through counties & municipalities**

Matched Leveraged Funding

Plans and Studies

- Update of FEMA-approved Local Hazard Mitigation Plans (HMPs)
- Studies to identify potential flood reduction projects to be funded through the infrastructure activities

At least 50% of funds must benefit low to moderate income (LMI) persons

CDBG-Mitigation Housing Buyouts

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- A buyout is the purchase of a property in the floodplain to reduce the risk of future flood damage.
- The buyout benefit can include the pre-disaster fair market value of the property (structure and land) and any additional incentives (social vulnerability, moving incentive)
- All existing structures are demolished
- Property acquired through a buyout program must be maintained in perpetuity for a use that is compatible with open space, recreational, or floodplain and wetlands management practices
- No new structure will be erected on property from which a structure was removed under a buyout program other than a public passive recreation space

CDBG-Mitigation Housing Buyouts Eligibility & Prioritization 16

- Only local governments may apply (counties & cities, no direct citizen applications)
- Properties must be located in the floodplain or a Disaster Risk Reduction Area
- Local government must identify a responsible entity to own and maintain the land after the buyout
- Submissions will be evaluated using a modified approach similar to the infrastructure program, focused on:
 - Low-to-moderate income population served (either direct or area benefit)
 - Flood Risk Reduction (Post-buyout based on modeling)
 - Benefit-Cost Ratio
- CDBG-DR Steering Committee will have the ultimate authority for selecting the projects

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Match Leveraged Funding

Plans and Studies

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CDBG-Mitigation Match Leveraged Funding

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- CDBG-MIT funds can serve as the local match for FEMA mitigation funds
 - Pre-Disaster Mitigation Program (PDM)
 - Building Resilience Infrastructure and Communities (BRIC)
 - Hazard Mitigation Grant Program
 - Flood Mitigation Assistance Program
- This leveraged approach can stretch the dollars to serve citizens above 80% LMI without dramatically disadvantaging the LMI population
- Close coordination is paramount, hence the strong partnership with SCEMD and SCDNR

CDBG-Mitigation

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Eligible Activities

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Federal Funding Match

Plans and Studies

- **Update of FEMA-approved Local Hazard Mitigation Plans (HMPs)**
- **Studies to identify potential flood reduction projects to be funded through the infrastructure activities**

At least 50% of funds must benefit low to moderate income (LMI) persons

CDBG-Mitigation Plans and Studies

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- SCDRO will provide resources for Plans and Studies that result in resilient communities and infrastructure
- Eligible Activities: Planning and Study projects that increase resilience to disasters and reduce or eliminate the long-term risk of life, injury, damage to and loss of property, suffering and hardship ... lessening the impact of future flood disasters.
- SCDRO or qualified subrecipients will execute this program
- Examples: Development/update of FEMA-approved Local Hazard Mitigation Plans (HMPs); Upgrade mapping, data and other capabilities to better understand potential disaster risks

CDBG-Mitigation Implementation

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The South Carolina Disaster Recovery Office has created an Action Plan that:

- Focuses funding on strategies to reduce flood risks and lessen the impact of future disasters for eligible communities.
 - University of South Carolina Hazards Vulnerability Research Institute – Mitigation Needs Assessment
- Collaborates with federal, state, and local partners involved in mitigation and resiliency efforts.
 - South Carolina Department of Natural Resources
 - South Carolina Emergency Management Division
- Considers input from citizens and stakeholders.
 - County and local officials
 - Public Hearings
 - Citizen Advisory Committee
- The Action Plan is posted on our website:
<https://www.admin.sc.gov/SCDRO/MitigationProgram>

CDBG-Mitigation

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Citizen Participation

Conducted (3) public hearings

- (2) Federally required public hearings

Citizen advisory committee

- *Following HUD's approval of the Action Plan, SCDRO "shall form one or more citizen advisory committees that shall meet in an open forum not less than twice annually."*

Stakeholder meetings

- *SCDRO conducts monthly stakeholder meetings at the headquarters location in Columbia, SC.*

Website:

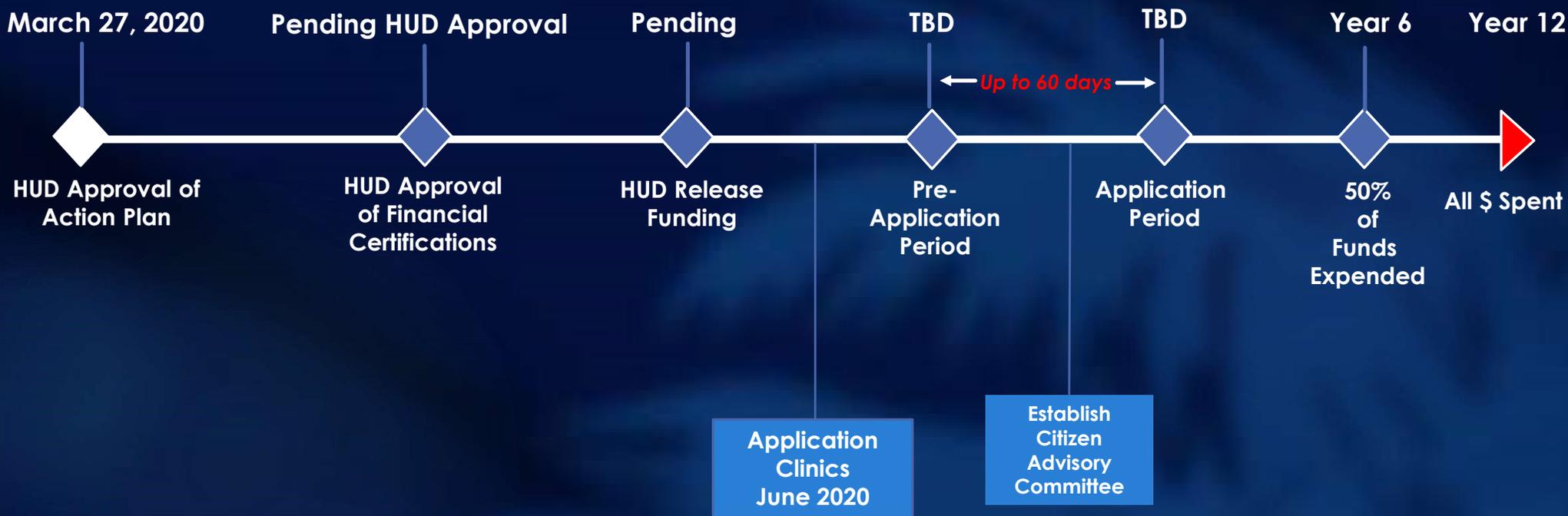
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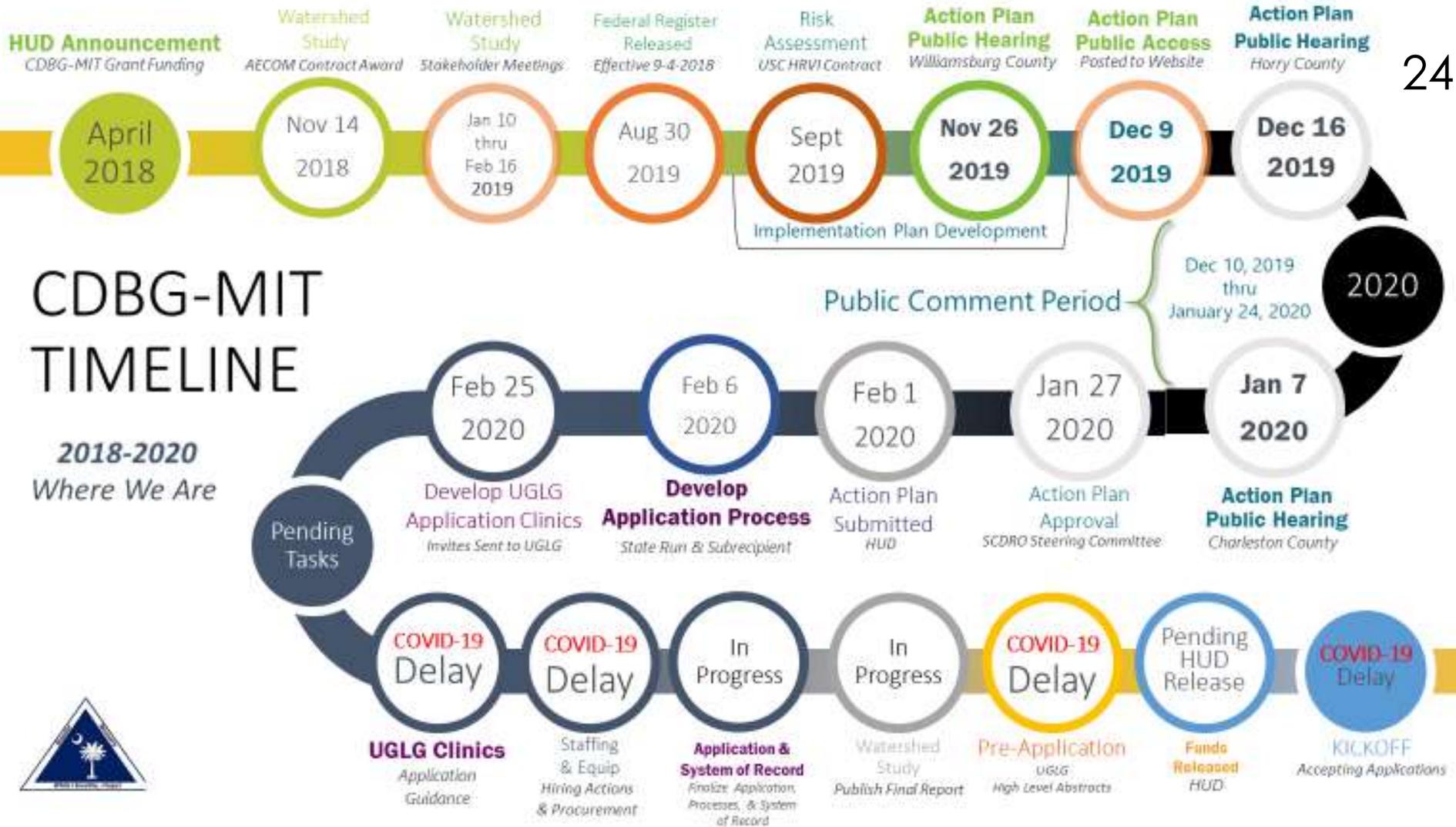
DROMitigation@admin.sc.gov

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- ❖ Must spend 50% of allocation in 6 years
- ❖ Must spend 100% in 12 years



State Mitigation Partners

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South Carolina Department of Natural Resources – The South Carolina Department of Natural Resources (SCDNR), manages the Flood Mitigation Assistance Program (FMA), and administers the National Flood Insurance Program (NFIP). Their mission is to work with South Carolina citizens and communities to minimize losses due to flood conditions.

South Carolina Emergency Management Division - State Hazard Mitigation Plan and reviews local hazard mitigation plans

- Pre-Disaster Mitigation Program (PDM) to be replaced by the Building Resilient Infrastructure and Communities (BRIC) Program
- Hazard Mitigation Grant Program

University of South Carolina Hazards & Vulnerability Research Institute (HVRI)

- Conducts basic research on hazard vulnerability and resilience; advises SCDRO disaster recovery practitioners; and through outreach efforts, assists in the improvement of emergency preparedness, planning, response, and recovery at local, state and national scales.

Next Steps

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- Local Government Application Clinic – JUN 2020
- HUD Release Funds – TBD
- Application period opens – TBD

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