

Virginia Flood Protection Master Plan

Priority Gaps to be Addressed

Gap ID	Gaps to be Addressed	Key Mechanism
A	Coordination among state agencies to streamline flood resilience strategies and reduce redundancies	Coordination - Internal and External
D, F, & G	Funding resources for long term resilience planning that supports a wide breadth of needs at both the state and local government level	Financial Support - Grants, Loans, Other
O&T	Access to up-to-date data resources that support long-term flood resilience planning and resource allocation decisions	Management - Resource
P&H	Staff capacity and resources for interdepartmental data aggregation and coordination for comprehensive flood risk assessments, including those for state-owned assets	Management - Resource
Q'	Community knowledge and capacity to take proactive steps to reduce vulnerability to flooding	Outreach - Program
S	Staff capacity hindering collaboration, technical assistance provision, and funding outreach efforts	Outreach - Resource
V	Robust decision-making frameworks and capacities to facilitate long-term planning efforts and resource allocation decisions	Planning - Long Term

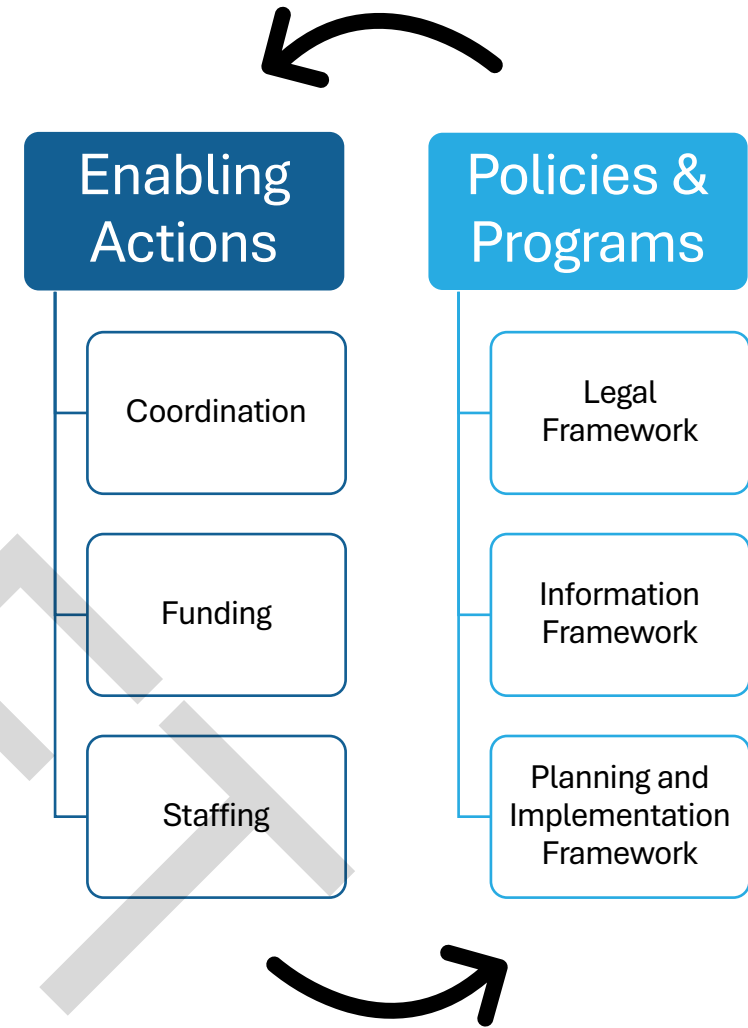
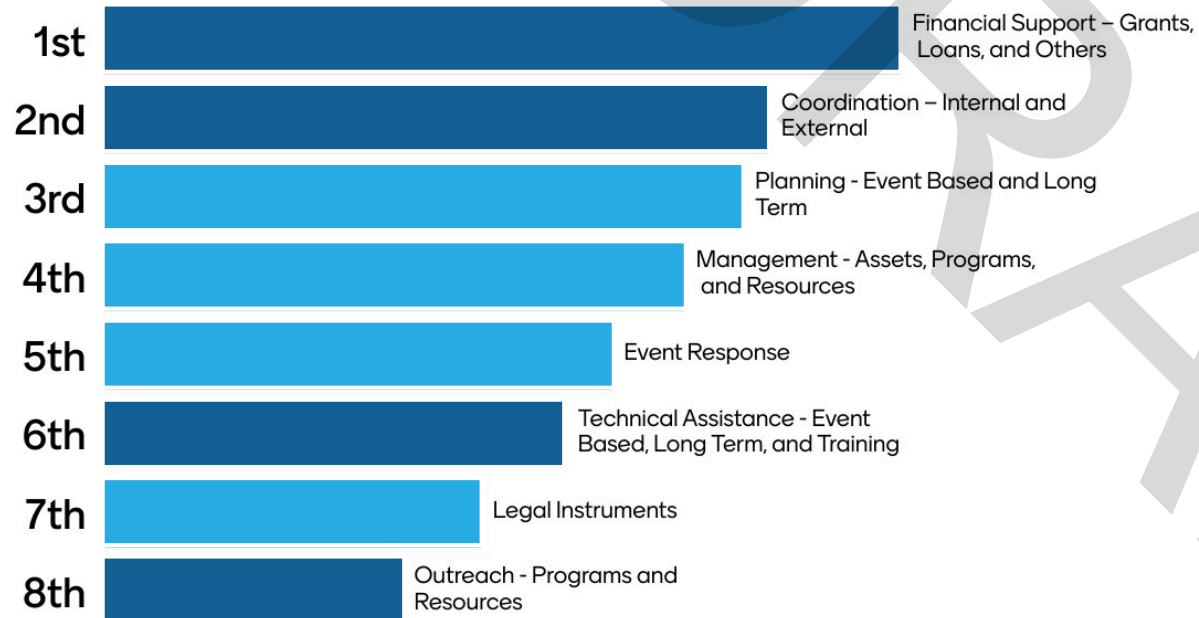
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Gap ID	Gaps to be Addressed	Key Mechanism
C	Staff capacity and data management resources for coordination between federal, state, and local agencies during events to ensure targeted event response.	Event Response
E	Staff capacity and funding resources for additional grant application and management support to local governments.	Financial Support – Others
I	Funding resources for asset maintenance	Management - Assets
N	Reliance on non-permanent federal funding posing challenges in sustaining flood resilience programs.	Management - Programs
U	Staff capacity for integration of flood resilience tools	Planning – Long Term
W	Staff capacity to address and assist with federal and state regulations	Legal Instruments
X	Staff capacity and resources to coordinate technical assistance for funding and program initiatives to address long-term flood resilience goals	Technical Assistance

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Core Stakeholder's Ranking of Key Mechanisms



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Key Mechanisms & Identified Gaps

Gaps:

In the context of this analysis, “gap” is defined as a practice that is not effectively being implemented across and/or within Virginia state agencies which in turn limits the Commonwealth’s ability to successfully execute flood resilience strategies statewide.

Key Mechanisms:

The overarching categories of flood resilience strategies that can be implemented within a Virginia state agency’s scope.

Coordination – Internal and External

Definition: Formal or informal systems for coordinating both within and across state agencies (or with outside entities) regarding flood resilience efforts

Gaps:

- A. Coordination among state agencies to streamline flood resilience strategies and reduce redundancies
- B. Staff capacity to support improved coordination between federal, state, and local agencies required for appropriate event responses

Event Response

Definition: Direct response to flooding events during or shortly following the hazard

Gaps:

- C. Staff capacity and data management resources for coordination between federal, state, and local agencies during events to ensure targeted event response

Financial Support – Grants, Loans, and Others

Definition: Providing, managing, and/or coordinating on grants, loans, or other funding opportunities to both state and non-state agency actors in support of flood resilience efforts

Gaps:

- D. Funding resources for long-term resilience planning and disaster response to address state and local needs
- E. Staff capacity and funding resources for additional grant application and management support to local governments
- F. Flexibility in allocating state funding to support the breadth of needs, local needs in particular, required to build local flood resilience including use for personnel or overhead costs
- G. Dedicated, recurring hazard mitigation/recovery funding resources for flood resilience work affecting long-term strategy implementation

Management – Assets, Programs, and Resources

Definitions: Assets - Oversight and maintenance of state assets (e.g., buildings, properties, etc.) with regard to flood resilience efforts; Programs - Oversight and management of state agency programs that are directly focused on or indirectly impact flood resilience efforts; Resources - Oversight and management of agency resources that support agency or interagency flood resilience efforts

Gaps:

- H. Up-to-date data resources on state-owned assets and their associated flood risk
 - I. Funding resources for asset maintenance
 - J. Staff capacity and resources to support coordination between state agencies and local governments in managing flood risk to assets
 - K. Staff resources and high turnover rates impacting effective management of flood resilience programs
 - L. Staff resources affecting real-time information intake during disaster events, thereby influencing response efforts
 - M. Staff capacity to train on new resilience tools and integrate flood resilience policies effectively
 - N. Reliance on non-permanent federal funding posing challenges in sustaining flood resilience programs
 - O. Data resources (data collection and data management) to support flood resilience planning
 - P. Staff capacity and resources for interdepartmental data aggregation and coordination for comprehensive flood risk assessments
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Outreach – Program and Resource

Definitions: Program: Administration of a program that conducts outreach to individuals or communities regarding flood resilience; Resource: Creation and distribution of a flood resilience resource (e.g., booklet, FAQ, guide, website, etc.)

Gaps:

- Q. Public awareness to empower communities in taking proactive steps to reduce vulnerability to flooding
 - R. Publicly available information resources about flood resilience
 - S. Staff capacity hindering collaboration, technical assistance provision, and funding outreach efforts
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Planning – Event-Based and Long Term

Definitions: Event Based: Responsibility for developing, producing, and implementing flood resilience plans for the short term; Long-term: Developing, producing, and implementing plans with a planning horizon of more than 1 year in length that are directing policies or programs that are not directly responding to flooding events, but are focused on mitigation, prevention, or other strategic flood resilience goals

Gaps:

- T. Access to up-to-date data resources for making resource allocation decisions
 - U. Staff capacity for integration of flood resilience tools
 - V. Robust decision-making framework necessary for resource allocation and prioritization to facilitate long-term planning efforts
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Legal Instruments

Definition: Responsibility for developing and/or enforcing compliance with state and/or federal regulations, standards, laws, codes, or ordinances related to flood resilience

Gap:

- W. Staff capacity to address and assist with federal and state regulations
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Technical Assistance – Long Term, Event-Based, and Training

Definitions: Event Based: Providing capacity and/or resources to local entities for post-flood event recovery management efforts (not inclusive of Grants/Loans/Financial support); Long Term: Providing capacity and/or resources to local entities for long-term flood resilience efforts (not inclusive of Grants/Loans/Financial support); Training: Developing and providing training related to flood resilience, either internally, for professional groups, or for the public

Gaps:

- X. Staff capacity and resources to coordinate technical assistance for funding and program initiatives to address long-term flood resilience goals
- Y. Staff capacity to collaborate with localities and communities for effective technical assistance provision for flood resilience planning and mitigation
- Z. Staff capacity for, and training resources on, available online and modeling tools to support complex and large-scale flood mitigation projects