Key Mechanism	Primary Gap	Relevant Objectives (Bold = Most Impactful)	Prioritization Justifications	Notes (if applicable)
Coordination - Internal and	A: Coordination among state agencies to streamline flood resilience strategies and	A2: Reduce negative impacts to vulnerable populations from flooding. B2: Strengthen our ability to prepare for and manage flood risks.	Ranked in Arcadis top 11 gaps (step 3);	
External	reduce redundancies	B3: Increase the adaptability and strength of flood resilience strategies	Ranked highly within Key Mechanism by	
External		to different potential future conditions and regional interests.	Stakeholders during VFS (step 4);	
		B4: Increase the return on public investments in flood resilience.		
		C1: Improve health and quality of life through flood resilience efforts.	Important across multiple objectives in	
		C2: Boost the economy through flood resilience efforts.	Arcadis analysis and Core Stakeholders	
		C3: Enhance the natural environment through flood resilience efforts.	(Steps 5 & 6).	
Financial Support -	D&F&G: Funding resources for long term	A1: Reduce negative effects on human health from flooding.	Ranked in Arcadis top 11 gaps (step 3);	Combined the following gaps into one:
Grants, Loans,	resilience planning that support a wide	A3: Reduce flood damage to buildings and infrastructure.		 D. Funding resources for long term
Other	breadth of needs at both the state and local	A4: Reduce economic disruptions and losses from flooding.	Ranked highly within Key Mechanism by	resilience planning and disaster
	government levels	A5: Reduce negative effects to natural and culture resources from flooding.	Stakeholders during VFS (step 4);	response to address state and local needs.
		B2: Strengthen our ability to prepare for and manage flood risks.	Important across multiple objectives in	
		B3: Increase the adaptability and strength of flood resilience strategies	Arcadis analysis and Core Stakeholders	• F. Flexibility in allocating state funding to support the breadth of needs, local
		to different potential future conditions and regional interests.	(Steps 5 & 6).	needs in particular, required to build
		B4: Increase the return on public investments in flood resilience.		local flood resilience including use for
		B5: Increase the accessibility of flood resilience resources,		personnel or overhead costs.
		opportunities, and information for Virginians most at need.		• G. Dedicated, recurring hazard
		C1: Improve health and quality of life through flood resilience efforts.		mitigation/recovery funding resources
		C2: Boost the economy through flood resilience efforts.		for flood resilience work affecting long-
		C3: Enhance the natural environment through flood resilience efforts.		term strategy implementation.
Management –	0&T: Access to up-to-date and comprehensive	A5: Reduce negative effects to natural and culture resources from	Ranked in Arcadis top 11 gaps (step 3);	Combined the following gaps into one:
Resource	data resources that support long-term flood	flooding.		• 0. Data resources (data collection and
	resilience planning and resource allocation	B1: Increase understanding of current and future flood risks.	Important across multiple objectives for	data management) to support flood
Planning –	decisions	B3: Increase the adaptability and strength of flood resilience strategies	Core Stakeholders (step 6):	resilience planning.
Long-term		to different potential future conditions and regional interests.		 T. Access to up-to-date data
		B4: Increase the return on public investments in flood resilience.		resources, particularly riverine data,
		C2: Boost the economy through flood resilience efforts.		for making resource allocation
		C3: Enhance the natural environment through flood resilience efforts.		decisions
Management -	P&H: Staff capacity and resources for	A2: Reduce flood damage to buildings and infrastructure.	Ranked in Arcadis top 11 gaps (step 3);	Combined the following gaps into one:
Resource	interdepartmental data aggregation and	A3: Reduce negative impacts to vulnerable populations from flooding.		• P. Staff capacity and resources for
	coordination for comprehensive flood risk	B1: Increase understanding of current and future flood risks.	Ranked highly within Key Mechanism by	interdepartmental data aggregation
	assessments, including those for state-owned	B2: Strengthen our ability to prepare for and manage flood risks.	Stakeholders during VFS (step 4);	and coordination for comprehensive
	assets	B5: Increase the accessibility of flood resilience resources, opportunities, and information for Virginians most at need.	Important across multiple objectives in	flood risk assessments
		C1: Improve health and quality of life through flood resilience efforts.	Arcadis analysis and Core Stakeholders	• H. Up-to-date data resources on state-
		C3: Enhance the natural environment through flood resilience efforts.	(Steps 5 & 6).	owned assets and their associated flood risk.
Outreach -	Q': Community knowledge and capacity to	A1: Reduce negative effects on human health from flooding.	Ranked in Arcadis top 11 gaps (step 3);	Rephrased from this original gap based
Program	take proactive steps to reduce vulnerability to	A2: Reduce negative impacts to vulnerable populations from flooding.		on Stakeholder feedback:
-	flooding	B1: Increase understanding of current and future flood risks.	Important across multiple objectives in	• Q: Public awareness to empower
		B5: Increase the accessibility of flood resilience resources,	Arcadis analysis and Core Stakeholders	communities in taking proactive steps
		opportunities, and information for Virginians most at need.	(Steps 5 & 6).	to reduce vulnerability to flooding
		C1: Improve health and quality of life through flood resilience efforts.		
		C2: Boost the economy through flood resilience efforts.		
		C3: Enhance the natural environment through flood resilience efforts.		

Key Mechanism	Primary Gap	Relevant Objectives (Bold = Most Impactful)	Prioritization Justifications	Notes (if applicable)
Outreach - Resource	S: Staff capacity hindering collaboration, technical assistance provision, and funding	A2: Reduce negative impacts to vulnerable populations from flooding. A4: Reduce economic disruptions and losses from flooding.	Ranked in Arcadis top 11 gaps (step 3);	
	outreach efforts	B1: Increase understanding of current and future flood risks.	Ranked highly within Key Mechanism by	
		B4: Increase the return on public investments in flood resilience. B5: Increase the accessibility of flood resilience resources,	Stakeholders during VFS (step 4);	
		opportunities, and information for Virginians most at need.	Important across multiple objectives in	
			Arcadis analysis and Core Stakeholders	
			(Steps 5 & 6).	
Planning - Long Term	V: Robust decision-making frameworks and capacities to facilitate long-term planning	A5: Reduce negative effects to natural and culture resources from flooding.	Ranked in Arcadis top 11 gaps (step 3);	Rephrased from this original gap based on Stakeholder feedback:
-	efforts and resource allocation decisions	B2: Strengthen our ability to prepare for and manage flood risks. B3: Increase the adaptability and strength of flood resilience strategies to different potential future conditions and regional interests.	Ranked highly within Key Mechanism by Stakeholders during VFS (step 4);	V. Robust decision-making framework resources necessary for resource allocation and prioritization to facilitate
		B4: Increase the return on public investments in flood resilience.C1: Improve health and quality of life through flood resilience efforts.C2: Boost the economy through flood resilience efforts.C3: Enhance the natural environment through flood resilience efforts.	Important across multiple objectives in Arcadis analysis and Core Stakeholders (Steps 5 & 6).	long-term planning efforts

Key Mechanism	Secondary Gap	Relevant Objective	Prioritization Justifications
Event Response	C. Staff capacity and data management resources for coordination between federal, state, and local agencies during events to ensure targeted event response	A1: Reduce negative effects on human health from flooding. A2: Reduce negative impacts to vulnerable populations from flooding.	Important across multiple objective Arcadis analysis (step 5)
Financial Support – Grants, Loans, and Others	E - Staff capacity and funding resources for additional grant application and management support to local governments.	B5: Increase the accessibility of flood resilience resources, opportunities, and information for Virginians most at need.	Ranked as a priority gap by Arcadis of 4 Core Stakeholder Groups (Ste
Management - Assets	I. Funding resources for asset maintenance	A3: Reduce flood damage to buildings and infrastructure. A4: Reduce economic disruptions and losses from flooding	Ranked as a priority gap by Arcadis of 4 Core Stakeholder Groups (Ste
Management -	N: Reliance on non-permanent federal	B3: Increase the adaptability and strength of flood resilience strategies	Ranked as a priority gap by Arcadis
Programs	funding posing challenges in sustaining flood resilience programs	to different potential future conditions and regional interests. A4: Reduce economic disruptions and losses from flooding. B4: Increase the return on public investments in flood resilience.	of 4 Core Stakeholder Groups (Ste
Planning –	U: Staff capacity for integration of flood	B:3 Increase the adaptability and strength of flood resilience strategies	Important across multiple objective
Long Term	resilience tools	to different potential future conditions and regional interests	Arcadis and Core analysis (Step 5
Legal Instruments	W. Staff capacity to address and assist with federal and state regulations	B3: Reduce flood damage to buildings and infrastructure	Ranked as a priority gap in all Core stakeholder groups (Step 6)
Technical	X. Staff capacity and resources to coordinate	B2: Strengthen our ability to prepare for and manage flood risks	
Assistance	technical assistance for funding and program initiatives to address long-term flood resilience goals		

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Goal	Objective Top Gaps per Objective (Bold = Primary Gap)				
A. Mitigate current and future flood risks statewide.	1. Reduce negative effects on human health from flooding.	D - Funding resources for long term resilience planning and disaster response to address state and local needs. (Financial Support - Grants, Loans, Other)	G - Dedicated, recurring hazard mitigation/recovery funding resources for flood resilience work affecting long-term strategy implementation. (Financial Support - Grants, Loans, Other)	C - Staff resourc and loca targeted	
	2. Reduce negative impacts to vulnerable populations from flooding.	Q - Public awareness to empower communities in taking proactive steps to reduce vulnerability to flooding (Outreach - Program)	C - Staff capacity and data management resources for coordination between federal, state, and local agencies during events to ensure targeted event response. (Event Response)		
	3. Reduce flood damage to buildings and infrastructure.	H - Up-to-date data resources on state-owned assets and their associated flood risk. (Management - Assets)	I - Funding resources for asset maintenance (Management - Assets)	W - Staf federal	
	4. Reduce economic disruptions and losses from flooding.	D - Funding resources for long term resilience planning and disaster response to address state and local needs. (Financial Support - Grants, Loans, Other)	I - Funding resources for asset maintenance (Management - Assets)	S - Staff technica outreac	
	5. Reduce negative effects to natural and culture resources from flooding.	D - Funding resources for long term resilience planning and disaster response to address state and local needs. (Financial Support - Grants, Loans, Other)	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. (Financial Support - Grants, Loans, Other)		
 Advance lasting and unified strategies to 	1. Increase understanding of current and future flood risks.	Q - Public awareness to empower communities in taking proactive steps to reduce vulnerability to flooding (Outreach - Program)	P - Staff capacity and resources for interdepartmental data aggregation and coordination for comprehensive flood risk assessments (Management - Resource)	R - Publ flood re	
address flood risk.	2. Strengthen our ability to prepare for and manage flood risks.	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. (Financial Support - Grants, Loans, Other)	P - Staff capacity and resources for interdepartmental data aggregation and coordination for comprehensive flood risk assessments (Management - Resource)	X - Staff technica initiative goals (Te	
	3. Increase the adaptability and strength of flood resilience strategies to different potential future conditions and regional interests.	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 (Management - Resource)	V - Robu necessa prioritiza efforts (
	 Increase the return on public investments in flood resilience. 	D - Funding resources for long term resilience planning and disaster response to address state and local needs. (Financial Support - Grants, Loans, Other)	G - Dedicated, recurring hazard mitigation/recovery funding resources for flood resilience work affecting long-term strategy implementation. (Financial Support - Grants, Loans, Other)		
	5. Increase the accessibility of flood resilience resources, opportunities, and information for Virginians most at need.	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. (Financial Support - Grants, Loans, Other)	E - Staff capacity and funding resources for additional grant application and management support to local governments. (Financial Support - Grants, Loans, Other)	Q - Publ taking p flooding	

ff capacity and data management				
ces for coordination between federal, state,				
cal agencies during events to ensure				
ed event response. (Event Response)				

aff capacity to address and assist with al and state regulations

aff capacity hindering collaboration, ical assistance provision, and funding ach efforts (Outreach – Resources)

blicly available information resources about resilience. (Outreach - Resource)

aff capacity and resources to coordinate ical assistance for funding and program ives to address long-term flood resilience (Technical Assistance - Long Term)

bust decision-making framework resources sary for resource allocation and ization to facilitate long-term planning s (Planning - Long Term)

blic awareness to empower communities in g proactive steps to reduce vulnerability to ng (Outreach - Program)

Goal	Objective	Top Gaps per Objective (Bold = Primary Gap)		
C. Capture additional benefits through flood resilience efforts.	1. Improve health and quality of life through flood resilience efforts.	G - Dedicated, recurring hazard mitigation/recovery funding resources for flood resilience work affecting long-term strategy implementation. (Financial Support - Grants, Loans, Other)	Q - Public awareness to empower communities in taking proactive steps to reduce vulnerability to flooding (Outreach - Program)	
	2. Boost the economy through flood resilience efforts.	G - Dedicated, recurring hazard mitigation/recovery funding resources for flood resilience work affecting long-term strategy implementation. (Financial Support - Grants, Loans, Other)	A - Coordination among state agencies to streamline flood resilience strategies and reduce redundancies. (Coordination - Internal and External)	D - Fundi planning and local Loans, Ot
	3. Enhance the natural environment through flood resilience efforts.	A - Coordination among state agencies to streamline flood resilience strategies and reduce redundancies. (Coordination - Internal and External)	O - Data resources (data collection and data management) to support flood resilience planning	T - Access particular allocatior

nding resources for long term resilience ng and disaster response to address state cal needs. (Financial Support - Grants, , Other)

ess to up-to-date data resources, ularly riverine data, for making resource tion decisions