

# 3795 - N Kennebec Street Stormwater Improvements Project

## Application Details

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**Funding Opportunity:**

3293-Virginia Community Flood Preparedness Fund - Project Grants - CY25 Round 6

**Funding Opportunity Due Date:** Dec 1, 2025 11:59 PM

**Program Area:** Virginia Community Flood Preparedness Fund

**Status:** Under Review

**Stage:** Final Application

**Initial Submit Date:** Nov 26, 2025 1:28 PM

**Initially Submitted By:** Jennifer Tastad

**Last Submit Date:**

**Last Submitted By:**

## Contact Information

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### Primary Contact Information

**Active User\*:** Yes

**Type:** External User

**Name\*:** Mrs. Jennifer L Tastad  
Salutation First Name Middle Name Last Name

**Title:** Design Team Supervisor

**Email\*:** jtastad@arlingtonva.us

**Address\*:** 2100 Clarendon Boulevard  
Suite 800

Arlington Virginia 22201  
City State/Province Postal Code/Zip

**Phone\*:** (703) 228-6542 Ext.  
Phone

###-###-####

**Fax:** ###-###-####

**Comments:**

## Organization Information

**Status\*:** Approved

**Name\*:** Arlington County

**Organization Type\*:** County Government

**Tax ID\*:** 54-6001123

**Unique Entity Identifier (UEI)\*:** W2J1JAMJ88H7

**Organization Website:** <https://www.arlingtonva.us/Home>

**Address\*:** 2100 Clarendon Boulevard  
Suite 705

Arlington Virginia 22201-  
City State/Province Postal Code/Zip

**Phone\*:** 703-228-6542 Ext.

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**Fax:** ####-####-####

**Benefactor:**

**Vendor ID:**

**Comments:**

## VCFPF Applicant Information

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### *Project Description*

**Name of Local Government\*:** Arlington County

Your locality's CID number can be found at the following link: [Community Status Book Report](#)

**NFIP/DCR Community** 515520

**Identification Number (CID)\*:**

If a state or federally recognized Indian tribe,

**Name of Tribe:**

**Authorized Individual\*:** Mark Schwartz  
First Name Last Name

**Mailing Address\*:** 2100 Clarendon Boulevard  
Address Line 1  
Suite 318  
Address Line 2

Arlington Virginia 22201  
City State Zip Code

**Telephone Number\*:** 703-228-3120

**Cell Phone Number\*:** 703-469-6384

**Email\*:** countymanager@arlingtonva.us

Is the contact person different than the authorized individual?

**Contact Person\*:** Yes

**Contact:** Jennifer Tastad

First Name Last Name

2100 Clarendon Boulevard

Address Line 1

Suite 800

Address Line 2

Arlington Virginia 22201

City State Zip Code

**Telephone Number:** 703-228-6542

**Cell Phone Number:** 703-469-6384

**Email Address:** jtastad@arlingtonva.us

**Enter a description of the project for which you are applying to this funding opportunity**

**Project Description\*:**

The project will provide targeted flood mitigation by installing additional parallel storm sewer lines and a Green Street bioretention facility along N. Kennebec Street and 11th Road North to enhance the conveyance capacity of the existing system, reduce surface flooding during storm events, and deliver measurable water-quality benefits by removing sediment and nutrients. The project modernizes critical aging infrastructure, improves public safety, and supports long-term flood resilience.

**Low-income geographic area means any locality, or community within a locality, that has a median household income that is not greater than 80 percent of the local median household income, or any area in the Commonwealth designated as a qualified opportunity zone by the U.S. Secretary of the Treasury via his delegation of authority to the Internal Revenue Service. A project of any size within a low-income geographic area will be considered.**

Is the proposal in this application intended to benefit a low-income geographic area as defined above?

**Benefit a low-income geographic area\*:** Yes

**Information regarding your census block(s) can be found at [census.gov](http://census.gov)**

**Census Block(s) Where Project will Occur\*:** 510131009004

**Is Project Located in an NFIP Participating Community?\*:** Yes

**Is Project Located in a Special Flood Hazard Area?\*:** No

**Flood Zone(s)  
(if applicable):**

**Flood Insurance Rate Map  
Number(s)  
(if applicable):**

# Eligibility CFPF - Round 4 - Projects

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## ***Eligibility***

Is the applicant a local government (including counties, cities, towns, municipal corporations, authorities, districts, commissions, or political subdivisions created by the General Assembly or pursuant to the Constitution or laws of the Commonwealth, or any combination of these)?

**Local Government\*:**

Yes

Yes - Eligible for consideration

No - Not eligible for consideration

Does the local government have an approved resilience plan and has provided a copy or link to the plan with this application?

**Resilience Plan\*:**

Yes

Yes - Eligible for consideration under all categories

No - Eligible for consideration for studies, capacity building, and planning only

If the applicant is not a town, city, or county, are letters of support from all affected local governments included in this application?

**Letters of Support\*:**

N/A

Yes - Eligible for consideration

No - Not eligible for consideration

N/A - Not applicable

Has this or any portion of this project been included in any application or program previously funded by the Department?

**Previously Funded\*:**

No

Yes - Not eligible for consideration

No - Eligible for consideration

Has the applicant provided evidence of an ability to provide the required matching funds?

**Evidence of Match Funds\*:**

Yes

Yes - Eligible for consideration

No - Not eligible for consideration

N/A - Match not required

## Scoring Criteria for Flood Prevention and Protection Projects - Round 4

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### ***Scoring***

**Category Scoring:**

Hold CTRL to select multiple options

**Project Category\*:**

All hybrid approaches whose end result is a nature-based solution

**Is the project area socially vulnerable?** (based on ADAPT Virginia's Social Vulnerability Index Score)

**Social Vulnerability Scoring:**

Very High Social Vulnerability (More than 1.5)

High Social Vulnerability (1.0 to 1.5)

Moderate Social Vulnerability (0.0 to 1.0)

Low Social Vulnerability (-1.0 to 0.0)

Very Low Social Vulnerability (Less than -1.0)

**Socially Vulnerable\*:**

Moderate Social Vulnerability

**Is the proposed project part of an effort to join or remedy the community's probation or suspension from the NFIP?**

**NFIP\*:**

No

**Is the proposed project in a low-income geographic area as defined below?**

"Low-income geographic area" means any locality, or community within a locality, that has a median household income that is not greater than 80 percent of the local median household income, or any area in the Commonwealth designated as a qualified opportunity zone by the U.S. Secretary of the Treasury via his delegation of authority to the Internal Revenue Service. A project of any size within a low-income geographic area will be considered.

**Low-Income Geographic Area\*:** Yes

**Projects eligible for funding may also reduce nutrient and sediment pollution to local waters and the Chesapeake Bay and assist the Commonwealth in achieving local and/or Chesapeake Bay TMDLs. Does the proposed project include implementation of one or more best management practices with a nitrogen, phosphorus, or sediment reduction efficiency established by the Virginia Department of Environmental Quality or the Chesapeake Bay Program Partnership in support of the Chesapeake Bay TMDL Phase III Watershed Implementation Plan?**

**Reduction of Nutrient and** Yes

**Sediment Pollution\*:**

**Does this project provide "community scale" benefits?**

**Community Scale Benefits\*:** More than one census block

**Expected Lifespan of Project**

**Expected Lifespan of Project\*:** Over 20 Years

**Comments:**

## Scope of Work - Projects - Round 4

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### ***Scope of Work***

**Upload your Scope of Work**

Please refer to Part IV, Section B. of the grant manual for guidance on how to create your scope of work

**Scope of Work\*:**

CID515520\_Arlington County N Kennebec\_CFPF\_Scope of Work Narrative.pdf

**Comments:**

### ***Budget Narrative***

**Budget Narrative Attachment\*:** CID515520\_Arlington County N Kennebec\_CFPF\_Budget Narrative.pdf

**Comments:**

## Scope of Work Supporting Information - Projects

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### ***Supporting Information - Projects***

**Provide population data for the local government in which the project is taking place**

**Population\*:** 243760.00

**Provide information on the flood risk of the project area, including whether the project is in a mapped floodplain, what flood zone it is in, and when it was last mapped. If the property or area around it has been flooded before, share information on the dates of past flood events and the amount of damage sustained**

**Historic Flooding data and  
Hydrologic Studies\*:**

CID515520\_Arlington County N Kennebec\_CFPF\_Historic Flooding Data Hydrologic Studies.pdf

**Include studies, data, reports that demonstrate the proposed project minimizes flood vulnerabilities and does not create flooding or increased flooding (adverse impact) to other properties**

**No Adverse Impact\*:** CID515520\_Arlington County N Kennebec\_CFPF\_No Adverse Impact.pdf

**Include supporting documents demonstrating the local government's ability to provide its share of the project costs. This must include an estimate of the total project cost, a description of the source of the funds being used, evidence of the local government's ability to pay for the project in full or quarterly prior to reimbursement, and a signed pledge agreement from each contributing organization**

**Ability to Provide Share of  
Cost\*:**

CID515520\_Arlington County N Kennebec\_CFPF\_Authorization Letter and Funding Commitment.pdf

**A benefit-cost analysis must be submitted with the project application**

**Benefit-Cost Analysis\*:** CID515520\_Arlington County N Kennebec\_CFPF\_Benefit Cost Analysis.pdf

If applicable, provide the Department with the current floodplain ordinance by link or attachment.

**Local Floodplain Management** CID515520\_Arlington County N Kennebec\_CFPF\_Floodplain Ordinance.pdf  
**Regulations:**

**Provide a list of repetitive loss and/or severe repetitive loss properties. Do not provide the addresses for the properties, but include an exact number of repetitive loss and/or severe repetitive loss structures within the project area**

**Repetitive Loss and/or Severe**

**Repetitive Loss Properties\*:**

CID515520\_Arlington County N Kennebec\_CFPF\_Repetitive Loss Properties.pdf

**Describe the residential and commercial structures impacted by this project, including how they contribute to the community such as historic, economic, or social value. Provide an exact number of residential structures and commercial structures in the project area**

**Residential and/or Commercial  
Structures\*:**

The project will directly benefit approximately 602 households within Census Block Group 510131009004, where improvements will be located. The area includes single-family homes and multifamily buildings, including several designated as affordable housing communities. Flooding during the July 2019 event caused major damage at multiple addresses, including 1110 N. Kenilworth Street and 5716 11th Road North. The proposed improvements from the project will reduce flood risk to homes, improve access to nearby parks and community facilities, and strengthen neighborhood resilience.

**If there are critical facilities/infrastructure within the project area, describe each facility**

**Critical Facilities/Infrastructure\*:**

The stormwater infrastructure along this corridor serves as a trunk line for the Four Mile Run watershed, a 9.4-square-mile drainage area that is a significant feeder of the Potomac River, which ultimately carries the water flowing from Four Mile Run to the Chesapeake Bay. The Four Mile Run is a key receiving waterway identified in Arlington County's watershed management framework for targeted stormwater and water quality improvements. Runoff from approximately 100 acres converges at the project location before discharging to the Four Mile Run open channel south of the project site.

**Explain the local government's financial and staff resources. How many relevant staff members does the local government have? To what relevant software does the local government have access? What are the local government's capabilities?**

**Financial and Staff Resources\*:**

Arlington County has successfully delivered multiple gray and green infrastructure projects within the last five years. The County has technical and financial staff with experience managing state and federal infrastructure grants. Key staff members include John Clemons (Project Manager), Jennifer Tastad (Design Team Supervisor), Christopher Balallo (Design Team Supervisor), Christin Jolicoeur (Principal Environmental Specialist), Anne Guillette (Associate Environmental Specialist), Amanda Junge (Design Engineer), Ismael Nunez (Design Engineer), Lily Whitesell (Stormwater Outreach Specialist). The County uses AutoCAD Civil 3D, Trimble Unity Construct, and Microsoft Office Suite for design and management. The staff will be supported with any tasks outside their scope or availability by on-call professional service contracts.

If the project proposed does not employ a nature-based or hybrid solution and the total project cost is greater than \$2 million, describe at least one alternative that could reasonably address the issue identified. Please also consider the No Action Option as a third alternative as part of the analysis. Explain these alternatives and the reason the proposed project was selected.

**Alternatives:**

**Identify and describe the goals and objectives of the project. Include a description of the expected results of the completed project and explain the expected benefits of the project. This may include financial benefits, increased awareness, decreased risk, etc.**

**Goals and Objectives\*:**

The project has three main objectives:

? The Project will seek to reduce flooding at the intersection of Kennebec Street and 11th Road North through an upgraded stormwater system. A modernized, climate-resilient design will prevent localized flooding and reduce damage to residential and multifamily properties in the area.

? The Project will modernize aging stormwater infrastructure by replacing undersized pipes with a system capable of transporting larger storm events without overflowing. Upgrading the system will reduce the risk of failure, improve long-term reliability, and lower maintenance costs for the County.

? The Project will improve water quality and stormwater management through the installation of a bioretention rain garden. The system will capture and filter runoff, removing nutrients and sediments before returning water to the stormwater network, ensuring environmental compliance and long-term performance.

**Outline a plan of action laying out the scope and detail of how the proposed work will be accomplished with a timeline identifying expected completion dates. Determine milestones for the project that will be used to track progress.**

**Explain what deliverables can be expected at each milestone, and what the final project deliverables will be. Identify other project partners**

**Approach, Milestones, and****Deliverables\*:**

CID515520\_Arlington County N Kennebec\_CFPF\_Approach Milestones Deliverables.pdf

**Where applicable, briefly describe the relationship between this project and other past, current, or future resilience projects. If the applicant has received or applied for any other grants or loans, please identify those projects, and, if applicable, describe any problems that arose with meeting the obligations of the grant and how the obligations of this project will be met**

**Relationship to Other Projects\*:**

The County is collaborating with the Center for Watershed Protection (CWP) on a National Fish and Wildlife Foundation (NFWF) grant entitled ?Scaling Up Biochar in the Chesapeake Bay.? We will use Biochar-Enhanced Filter Media (BEFM) in the bioretention. Biochar, a solid, charcoal-like material created by burning biomass, or organic material in an oxygen-limited environment through the process of pyrolysis, has been demonstrated to enhance runoff reduction by increasing soil porosity, water holding capacity, and infiltration rates.

Phase II of this project involves the upsizing of the existing storm sewer conveyance system upstream in the watershed. The system will be upsized and rerouted in the vicinity of Wahington Boulevard and N Illinois St/N Inglewood St to resolve flooding concerns in that area. As these Phase II improvements will result in more runoff

being conveyed downstream to an area already experiencing flooding, the Phase I improvements must be implemented first.

**For ongoing projects or projects that will require future maintenance, such as infrastructure, flood warning and response systems, signs, websites, or flood risk applications, a maintenance, management, and monitoring plan for the projects must be provided**

**Maintenance Plan\*:**

CID515520\_Arlington County N Kennebec\_CFPF\_Maintenance and Management Plan.pdf

**Describe how the project meets each of the applicable scoring criteria contained in Appendix B. Documentation can be incorporated into the Scope of Work Narrative**

**Criteria\*:**

1. Project Type: Hybrid approach resulting in nature-based solution (15 points). The project uses a hybrid approach combining gray and green infrastructure, including larger storm drainpipes and a bioretention rain garden, to deliver a nature-based flood mitigation solution.
2. Social Vulnerability Index Score: Moderate social vulnerability of 0.05 (5 points). The project area has a moderate SVI score, with a score of 0.05 according to the Virginia Flood Risk Information System (VFRIS). However, the immediate community has heightened vulnerability due to a median household income of \$50,798, significantly below Arlington County's median income of \$140,160. The Project area's lower median income relative to the county's high cost of living thresholds could make it more difficult for residents in the project area to recover from the impacts of flooding.
3. Community Scale of Benefits: More than one census block (30 points). The project benefits neighborhoods in the Census Block Group 510131009004, protecting approximately 602 households and 4,209 residents while improving accessibility and public safety. Additionally, the project provides benefits for community members traveling to or through adjacent public spaces. The project will reduce flood impacts in Bon Aire Park downstream, reducing washouts and hazardous conditions at the trail connection linking the neighborhood to the Custis Trail, an area confirmed by the County to experience flooding during storm events.
4. Expected Lifespan of Project: 50-70 Years (10 points). The upgraded stormwater system and bioretention facility are designed for long-term performance and will be maintained under the County's Stormwater Management Maintenance Contract, ensuring a lifespan between 50-70 years.
5. Remedy for NFIP probation or suspension: No. (0 points) The project does not serve as a remedy for NFIP probation or suspension.
6. Proposed project part of a low-income geographic area: Yes (10 points). The project area has a median household income of \$50,798 (ACS 2023), less than half of Arlington County's median income of \$140,160 (ACS 2023).
7. Proposed project implements a Chesapeake Bay TMDL BMP: Yes. (5 points). The project implements a Chesapeake Bay TMDL best management practice through the bioretention rain garden, which reduces nutrient and sediment pollution entering Four Mile Run and the Potomac River.

## Budget

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### ***Budget Summary***

**Grant Matching Requirement\*:**

LOW INCOME - Projects that will result in hybrid solutions - Fund 90%/Match 10%

Is a match waiver being requested?

**Match Waiver Request**      No

Note: only low-income communities  
are eligible for a match waiver.

\*:

**I certify that my project is in a low-income geographic area:** Yes

**Total Project Amount (Request + Match)\*:** \$1,130,000.00  
\*\*This amount should equal the sum of your request and match figures

**REQUIRED Match Percentage Amount:** \$113,000.00

## BUDGET TOTALS

Before submitting your application be sure that you meet the match requirements for your project type.

### Match Percentage:

10.00%

Verify that your match percentage matches your required match percentage amount above.

**Total Requested Fund Amount:** \$1,017,000.00

**Total Match Amount:** \$113,000.00

**TOTAL:** \$1,130,000.00

### *Personnel*

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

### *Fringe Benefits*

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

### *Travel*

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

### *Equipment*

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

### *Supplies*

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

### *Construction*

Description	Requested Fund Amount	Match Amount	Match Source
Construction	\$1,017,000.00	\$113,000.00	Cash
	<b>\$1,017,000.00</b>	<b>\$113,000.00</b>	

### ***Contracts***

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

### ***Maintenance Costs***

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

### ***PreAward and Startup Costs***

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

### ***Other Direct Costs***

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

## **Long and Short Term Loan Budget - Projects - VCFPF**

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### ***Budget Summary***

**Are you applying for a short term, long term, or no loan as part of your application?**

If you are not applying for a loan, select "not applying for loan" and leave all other fields on this screen blank

**Long or Short Term\*:** Not Applying for Loan

**Total Project Amount:** \$0.00

**Total Requested Fund Amount:** \$0.00

**TOTAL:** \$0.00

### ***Salaries***

Description	Requested Fund Amount
	No Data for Table

### ***Fringe Benefits***

Description	Requested Fund Amount

<b>Description</b>	<b>Requested Fund Amount</b>
No Data for Table	
<b><i>Travel</i></b>	
<b>Description</b>	<b>Requested Fund Amount</b>
No Data for Table	
<b><i>Equipment</i></b>	
<b>Description</b>	<b>Requested Fund Amount</b>
No Data for Table	
<b><i>Supplies</i></b>	
<b>Description</b>	<b>Requested Fund Amount</b>
No Data for Table	
<b><i>Construction</i></b>	
<b>Description</b>	<b>Requested Fund Amount</b>
No Data for Table	
<b><i>Contracts</i></b>	
<b>Description</b>	<b>Requested Fund Amount</b>
No Data for Table	
<b><i>Other Direct Costs</i></b>	
<b>Description</b>	<b>Requested Fund Amount</b>
No Data for Table	

## Supporting Documentation

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### ***Supporting Documentation***

<b>Named</b>	<b>Attachment</b>	<b>Required Description</b>	<b>File Name</b>	<b>Ty</b>
	Detailed map of the project area(s) (Projects/Studies)	Project area map showing inundation areas, as well as 15% design plans	CID515520_Arlington County N Kennebec_CFPF_Project Map and Plan Set.pdf	p

Named Attachment	Required Description	File Name	Ty
FIRMette of the project area(s) (Projects/Studies)	FIRMette showing the project location.	CID515520_Arlington County N Kennebec_CFPF_FIRMette.pdf	p
Historic flood damage data and/or images (Projects/Studies)	Description of previous flooding within the project vicinity.	CID515520_Arlington County N Kennebec_CFPF_Historic Flooding Data Hydrologic Studies.pdf	p
A link to or a copy of the current floodplain ordinance	Current Arlington County Floodplain Ordinance	CID515520_Arlington County N Kennebec_CFPF_Floodplain Ordinance.pdf	p
Maintenance and management plan for project	Description of the post-construction maintenance plan for the project.	CID515520_Arlington County N Kennebec_CFPF_Maintenance and Management Plan.pdf	p
A link to or a copy of the current hazard mitigation plan	Current Northern Virginia Hazard Mitigation Plan	CID515520_Arlington County N Kennebec_CFPF_Hazard Mitigation Plan.pdf	p
A link to or a copy of the current comprehensive plan	Attached above is the Essential Guide to Arlington County's Comprehensive Plan. Full copies of each individual plan can be found at the following link: <a href="https://www.arlingtonva.us/Government/Projects/Plans-Studies/Comprehensive-Plan">https://www.arlingtonva.us/Government/Projects/Plans-Studies/Comprehensive-Plan</a>	CID515520_Arlington County N Kennebec_CFPF_Comprehensive Plan.pdf	p
Social vulnerability index score(s) for the project area	Social Vulnerability index map for the project area	CID515520_Arlington County N Kennebec_CFPF_Social Vulnerability Index Score.pdf	p
Authorization to request funding from the Fund from governing body or chief executive of the local government	Funding commitment letter signed by the County Manager.	CID515520_Arlington County N Kennebec_CFPF_Authorization Letter and Funding Commitment.pdf	p
Signed pledge agreement from each contributing organization	Funding commitment letter signed by the County Manager. There are no other contributing organizations for this project.	CID515520_Arlington County N Kennebec_CFPF_Authorization Letter and Funding Commitment.pdf	p
Maintenance Plan	Description of the post-construction maintenance plan for the project.	CID515520_Arlington County N Kennebec_CFPF_Maintenance and Management Plan.pdf	p

*Benefit-cost analysis must be submitted with project applications over \$2,000,000. in lieu of using the FEMA benefit-cost analysis, applicants may submit a narrative to describe in detail the cost benefits and value. The narrative must explicitly indicate the benefits of a flood mitigation project and compares those benefits to its cost-effectiveness.*

Named Attachment	Required Description	File Name	Ty
Benefit Cost Analysis	A full analysis is not required due to the total amount of the project.	CID515520_Arlington County N Kennebec_CFPF_Benefit Cost Analysis.pdf	p
Other Relevant Attachments	U.S. Census data supporting "low-income" designation of application.	CID515520_Arlington County N Kennebec_CFPF_Arlington Co MHI.pdf	p

### ***Letters of Support***

Description	File Name	Type	Size	Upload Date
Approval to submit application from Certified Floodplain Manager	CID515520_Arlington County N Kennebec_CFPF_CFM Approval Letter.pdf	pdf	472 KB	11/26/2025 11:42 AM

## **Resilience Plan**

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### ***Resilience Plan***

Description	File Name	Type	Size	Upload Date
Approved Arlington County Resilience Plan	CID515520_Arlington County N Kennebec_CFPF_Resilience Plan.pdf	pdf	2 MB	11/26/2025 11:40 AM
DCR letter approving Arlington County's Resilience Plan	CID515520_Arlington County N Kennebec_CFPF_DCR Approval Letter of Arlington Resilience Plan.pdf	pdf	144 KB	11/26/2025 11:40 AM