

Virginia Community Flood Preparedness Fund Grant Program

Proposal Name: MPPDC Flood Preparedness Capacity Building

Application Contents:

- Application Form for Grant Requests for All Categories
- Scope of Work Narrative
- Budget Narrative
- Scoring Criteria for Capacity Building and Planning
- Checklist for All Categories
- Supporting Documentation
 - Attachment 1: MPPDC Authorization to Request Funding and Matching Funds Commitment
 - Attachment 2: Community Support Letters
 - Attachment 3: Middle Peninsula Flood Protection Planning and Studies History

Application Form for Grant Requests for All Categories

Name of Local Government: **Middle Peninsula Planning District Commission**

Category of Grant Being Applied for (check one):

Capacity Building/Planning Project Study

NFIP/DCR Community Identification Number (CID): **Essex (510048), Gloucester (510071), King and Queen (510082), King William (510304), Mathews (510096), and Middlesex (510098)**

If a state or federally recognized Indian tribe, Name of tribe: **N/A**

Name of Authorized Official: **Lewie Lawrence, Executive Director**

Signature of Authorized Official:  _____

Mailing Address (1): **P.O. Box 286**

Mailing Address (2): _____

City: **Saluda** State: **VA** Zip: **23149**

Telephone Number: **(804) 758-2311** Cell Phone Number: **(804) 832-6747**

Email Address: **llawrence@mppdc.com**

Contact Person (If different from authorized official): **Same**

Mailing Address (1): _____

Mailing Address (2): _____

City: _____ State: _____ Zip: _____

Capacity Building and Planning Application

Telephone Number: (____) _____ Cell Phone Number: (____) _____

Email Address: _____

Is the proposal in this application intended to benefit a low-income geographic area as defined in the Part 1 Definitions? Yes No

Capacity Building and Planning Grant Categories (select applicable project):

Floodplain Staff Capacity.

Resilience Plan Development

Revisions to existing resilience plans and modifications to existing comprehensive and hazard mitigation plans.

Resource assessments, planning, strategies, and development.

o Policy management and/or development.

o Stakeholder engagement and strategies.

Location of Project (Include Maps): **MPPDC serves the counties of Essex, Gloucester, King and Queen, King William, Mathews, and Middlesex and the incorporated towns of Tappahannock, Urbanna, and West Point**

NFIP Community Identification Number (CID#): **Essex (510048), Gloucester (510071), King and Queen (510082), King William (510304), Mathews (510096), and Middlesex (510098)**

Is Project Located in an NFIP Participating Community? Yes No

Is Project Located in a Special Flood Hazard Area? Yes (partial) No

Flood Zone(s) (If Applicable): **All flood zones will be targeted and benefit from the proposed activities**

Flood Insurance Rate Map Number(s) (If Applicable): **All FIRMs in the Middle Peninsula Localities**

Total Cost of Project: **\$64,509**

Total Amount Requested **\$58,057**

Scope of Work Narrative

Introduction

The coastal areas of the Commonwealth of Virginia, including the Middle Peninsula, are widely recognized as one of the most vulnerable areas to flooding and sea-level rise in the nation due to relatively low topography, relatively high rates of ground subsidence, and high level of exposure to the Chesapeake Bay and Atlantic Ocean. The Middle Peninsula (**Figure 1**) includes the counties of Essex, Gloucester, King and Queen, King William, Mathews, and Middlesex, all of which either entirely or partially consist of areas which meet the low-income area definition set forth in the Grant Program Manual (**Figure 2**). According to the Virginia Social Vulnerability Index Score compiled by the Virginia Institute of Marine Science's Center for Coastal Resources Management, the Middle Peninsula U.S. Census Tracts have social vulnerability scores ranging from low to very high (**Figure 3**).

Impacts to properties and communities in the Middle Peninsula stemming from flooding and sea-level rise are perhaps the greatest challenge and stressor facing the region. The issue of flooding impacts virtually every property within the region and the challenges are anticipated to worsen for future generations to come. The Middle Peninsula localities have recognized this challenge in local comprehensive plans and in an extensive number of planning efforts (**Attachment 3**). Several years ago, the member jurisdictions of the Middle Peninsula Planning District Commission (MPPDC) directed the MPPDC to assume a

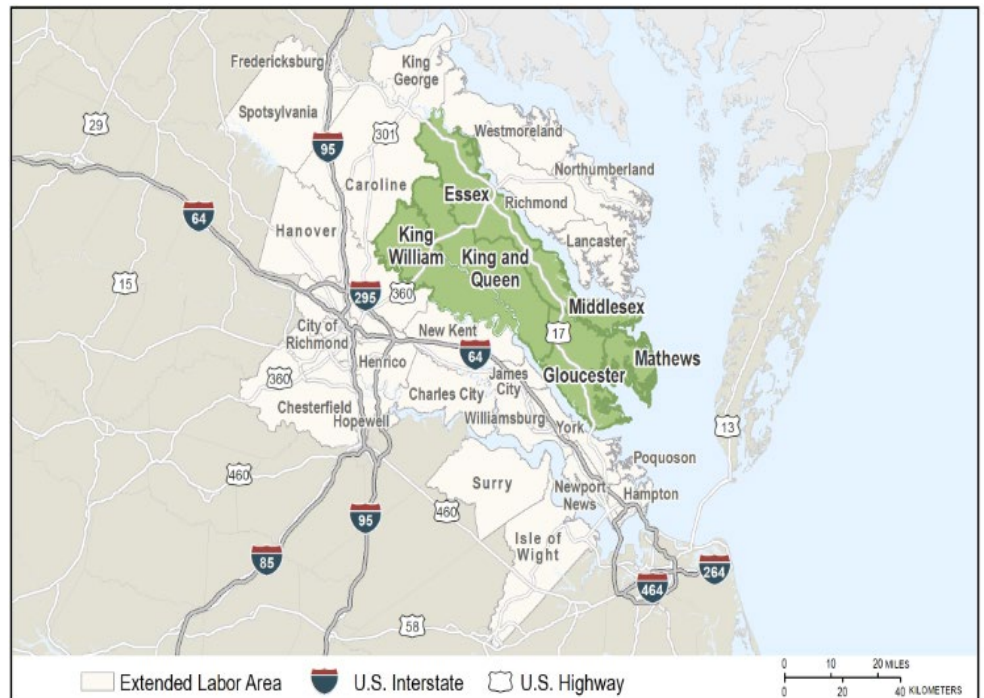


Figure 1

Map illustrating the geographic areas of Virginia's Middle Peninsula.

leadership role regarding the major challenge of flood mitigation that had been identified through the many studies and planning efforts that had been completed up to that time. MPPDC staff have been focusing on developing the programmatic structure needed to adequately implement flood protection solutions so the Middle Peninsula could adequately respond to the immense challenges presented by flooding and sea-level rise. The MPPDC's efforts have progressed to the point where although a programmatic structure exists to create and finance solutions exist, the capacity to actually implement solutions does not exist. To address a challenge as far-reaching as flooding and sea-level rise, improved project management tools are needed and the DCR Community Flood Preparedness Fund represents a unique opportunity to help the MPPDC and its member jurisdictions meet the flood protection needs being demanded by constituents.

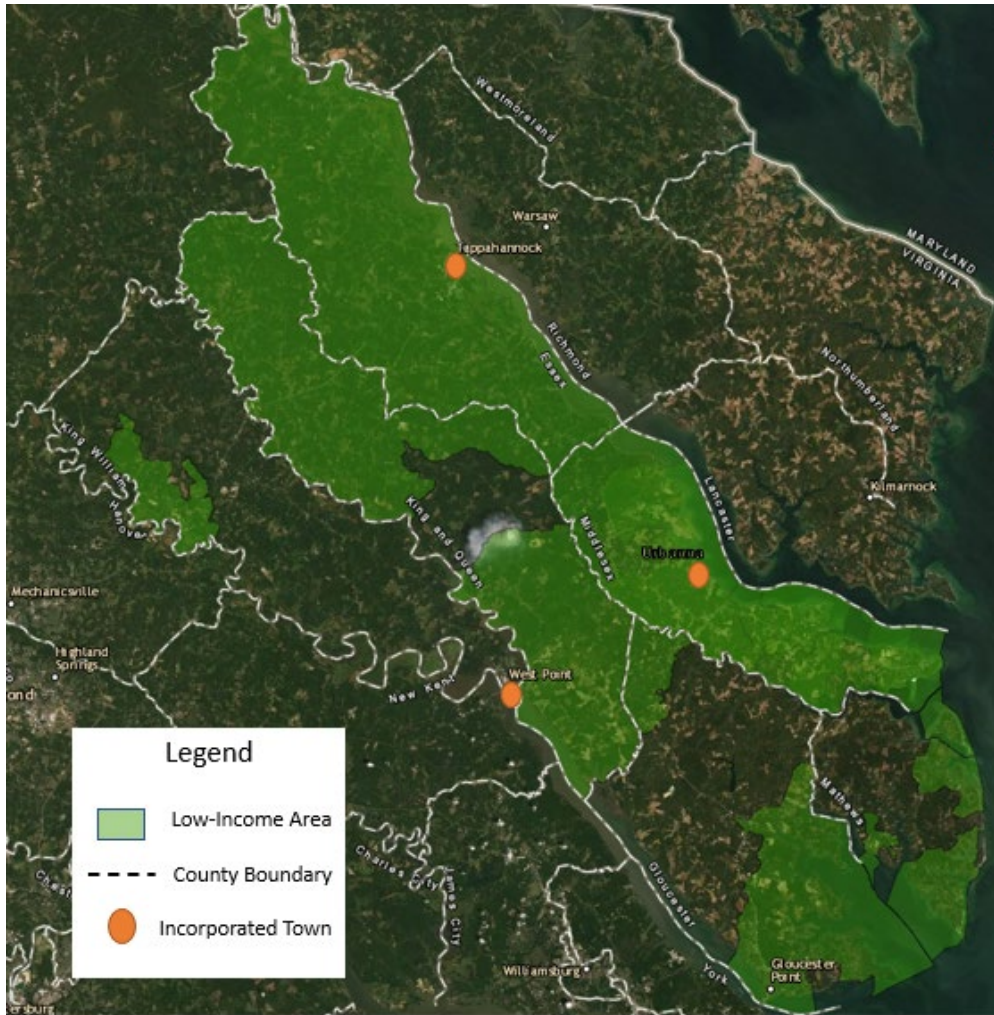


Figure 2

Map illustrating the areas of the Middle Peninsula which meet the low-income area definition set forth in the Community Flood Preparedness Fund Grant Program Manual. Much of the region contains areas which meet the definition of low-income area.

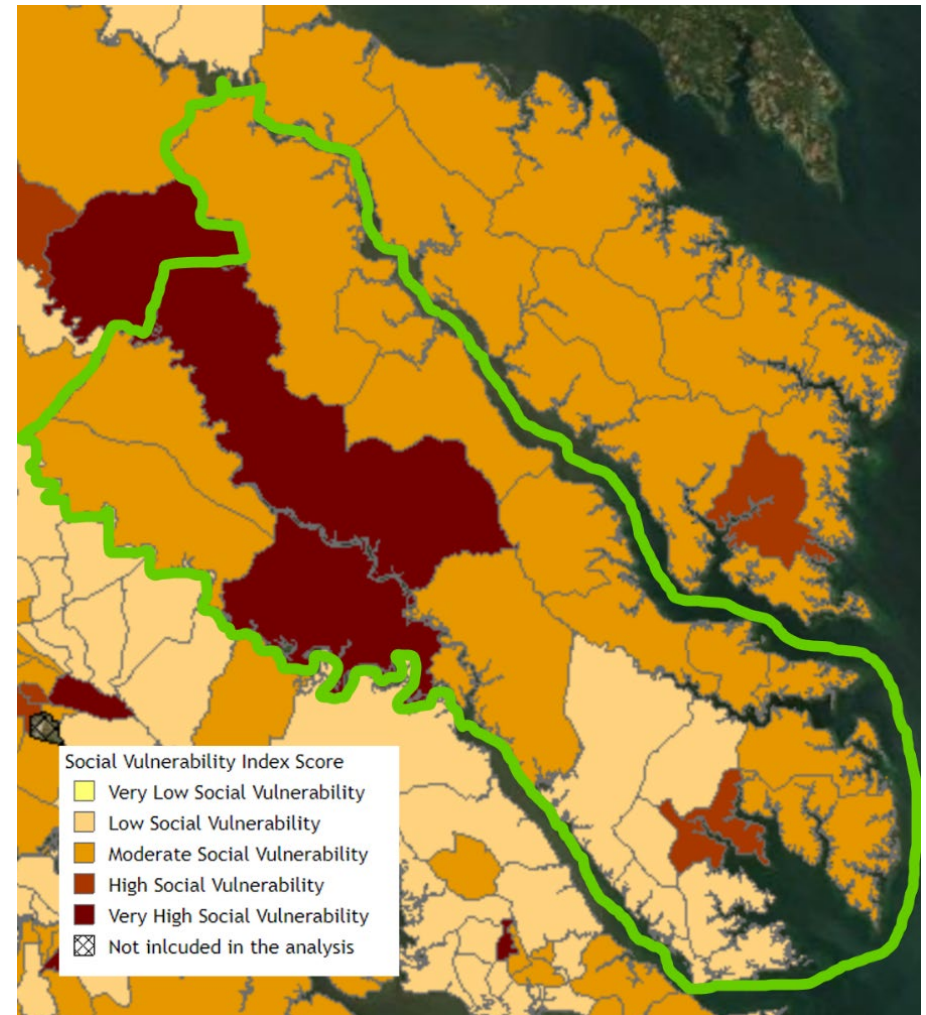


Figure 3

Map illustrating the social vulnerability index scores for Middle Peninsula U.S. Census Tracts from the Virginia Social Vulnerability Viewer (https://cmap2.vims.edu/SocialVulnerability/SocioVul_SS.html).

To address these compounding challenges facing the region, the MPPDC developed the Commonwealth's first structured programmatic solution, Fight the Flood (www.FightTheFloodVA.com) (Figure 4), which has resulted in a more effective way of identifying and advancing flood mitigation activities in the region. Fight the Flood (FTF) flood mitigation activities focus on nature-based mitigation projects for all types of flooding including FEMA flood zones of high risk. The FTF program was launched in 2020 as a programmatic solution intended to revolutionize the way resilience activities occur in the region and coastal communities nation- and world-wide. The program actively works to bring both property owners and resilience contractors/businesses into what is the nation's first virtual, incentivized resilience marketplace. Property owners, businesses, local governments, and non-government organizations may participate by reporting their flood mitigation needs to MPPDC staff, who evaluate their needs and work to find customized solutions for each participants unique needs. Participating property owners are eligible for cost savings from registered FTF businesses, loans for living shorelines and other resilience activities, and grants when and where available. Revolving loan funds interest rates are reduced for projects located in high hazard flood V and VE zones as additional incentives to mitigate. Once participants have completed an intake form documenting their flood protection needs, the MPPDC has the ability to notify property owners in a specific location when grant funds may be available through geo-targeted communications and advertising. In summary, the program connects landowners to contractors and funding to increase resilience with flood mitigation projects on public and private land.

The MPPDC's proposal aims to increase capacity to expand administration and coordination of resilience and flood protection programs and is organized as follows:

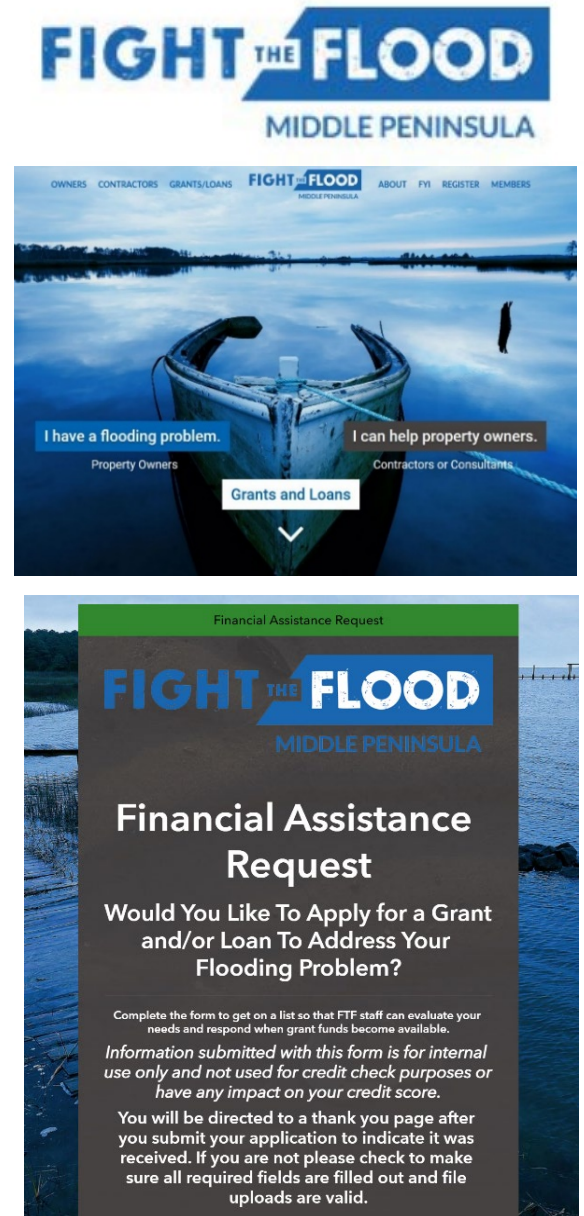


Figure 4
Images of the MPPDC Fight The Flood (www.FightTheFloodVA.com) Program Website depicting the home page (top right), the online flood protection need in-take form that participants complete to initiate their

MPPDC Capacity Building Proposal Overview

Fight the Flood Program Management Tool Development and Enhancements

- i. Standardize DCR Flood Fund application into the FTF GIS system for standardized participant flood protection need in-take for all types of flooding.
- ii. Enhanced FTF program capability for the Identification of targeted flood areas utilizing FEMA, DCR, and VIMS data for direct outreach with program participants.
- iii. FTF program website public-use GIS enhancements for user-friendly sharing of flood data and information.
- iv. Development and configuration of a FTF program operations GIS dashboard for more efficient and effective project management by MPPDC staff.
- v. FTF program ArcGIS Online Administration and training for MPPDC staff.

Assess Capacity Needs and Assets

The FTF program was developed to establish a programmatic structure that could grow to be able to meet the demand for the advancement of quality and adequate construction of flood protection projects on public and privately owned property in Virginia's Middle Peninsula. New and increasing public funding sources are becoming available under the DCR Community Flood Preparedness Fund (CFPF), the FEMA BRIC fund, and others. Since the launch of the FTF program during 2020, MPPDC staff have managed the increase demand stemming from rampant interest in public grants and loans; however, it is evident that the FTF program's effectiveness will be directly limited by inadequate program management tools.

Based on the increased focus on resilience and funding resources, MPPDC staff are proposing a single-year effort to enhance the existing FTF program management tools (to include the participant flood protection need in-take form – perhaps the most critical element for overall program operations). The proposed management tool developments and enhancements are anticipated to provide MPPDC staff the capacity for generating and advancing more mitigation projects in the region through 1) additional studies and vulnerability analysis, 2) enhanced property owner engagement, 3) reporting potential projects to relevant programs, and 4) programmatic and strategic development of projects that will afford DCR, VDEM, and FEMA a better understanding of mitigation needs and project queuing across the rural coastal area.

Each element of the proposal is presented in greater detail in the following sections.

Fight the Flood Program Management Tool Development and Enhancements

The Fight the Flood website is currently active and running with help from third party contractors (Coastal Consociate and Timmons Group). However, the original implementation was prepared mainly as a proof-of-concept to start getting homeowners enrolled as soon as possible. The FTF website needs an upgrade in order to better automate the anticipated influx of requests and to provide crucial functionality which will help serve flood risks needs across communities.

MPPDC staff will contract with Timmons Group to address the following capacity needs. It is anticipated that these activities will require up to one year to complete. As the demand for flood protection projects grows, MPPDC staff will continuously be evaluating the FTF program for program management tool needs and it is anticipated that additional CFPF proposals will be submitted in future years to address those needs as they arise.

- **Task 1 – Standardize DCR Flood Fund application into the FTF GIS system for standardized participant flood protection need in-take for all types of flooding.** One critical improvement for the FTF program is to take the three DCR Community Flood Fund applications (Studies, Capacity Building and Planning, and Projects) and make digital Survey 123 Applications from them to streamline the application development process. In addition to streamlining the data entry process, this would enable the data captured on the surveys to be standardized and reported on in a much more efficient and effective manner that will provide for improved overall program management.
- **Task 2 – Enhanced FTF program capability for the Identification of targeted flood areas utilizing FEMA, DCR, and VIMS data for direct outreach with program participants.** Currently, the FTF program relies on marketing directly to citizens to encourage them to apply for funding on their own. There is an excellent opportunity for improvement and could be taken a step further by attempting to locate individuals who would benefit from available funding. This would most likely involve a combination of economic and environmental analysis to locate low lying and vulnerable areas that are within communities that have been identified as qualifying for funding. Once identified, individuals could be contacted directly via geo-targeting in order to determine their interest and needs.
- **Task 3 – FTF program website public-use GIS enhancements for user-friendly sharing of flood data and information.** Improvements will include utilization of ArcGIS Hub, which represents a user-friendly and easily navigable site in which data can be served out to the public. Rather than needing to share individual links to web maps and apps, all flood data and information can be consolidated in a single repository which is then made publicly available in a very user-friendly format. The end product could allow participants to be able to access flood mitigation data and information in a more accessible and understandable manner, which will greatly enhance the MPPDC’s ability to perform critical education regarding flood risks and vulnerability assessment.
- **Task 4 –Development and configuration of a FTF program operations GIS dashboard for more efficient and effective project management by MPPDC staff.** In addition to making data easier to access, another important initiative is to make data more easily understood and enable powerful reporting. Both can be accomplished through the use of Operations Dashboard which is available with ArcGIS Online. One simple example would be to use a dashboard to summarize the survey results captured in the FTF participant flood protection need intake form (Task 1). This dashboard could then be used by and shared among the FTF program management team to easily spot trends in the needs of the Middle Peninsula residents.
- **Task 5 – FTF program ArcGIS Online Administration and training for MPPDC staff.** As the FTF program’s dependence on GIS expands for program management, it will become imperative to ensure the ArcGIS Online Organization is well-organized and administered in order to facilitate the sharing and creation of new GIS layers and applications. Timmons Group is well-versed in assisting with ArcGIS Online organization.

MPPDC staff will contract with Timmons Group to expand the FTF participant needs assistance form which is the instrument for citizens, business owners, and local governments to report flood protection and prevention needs to the MPPDC (**Figure 5**). Once a form is submitted, the information is populated

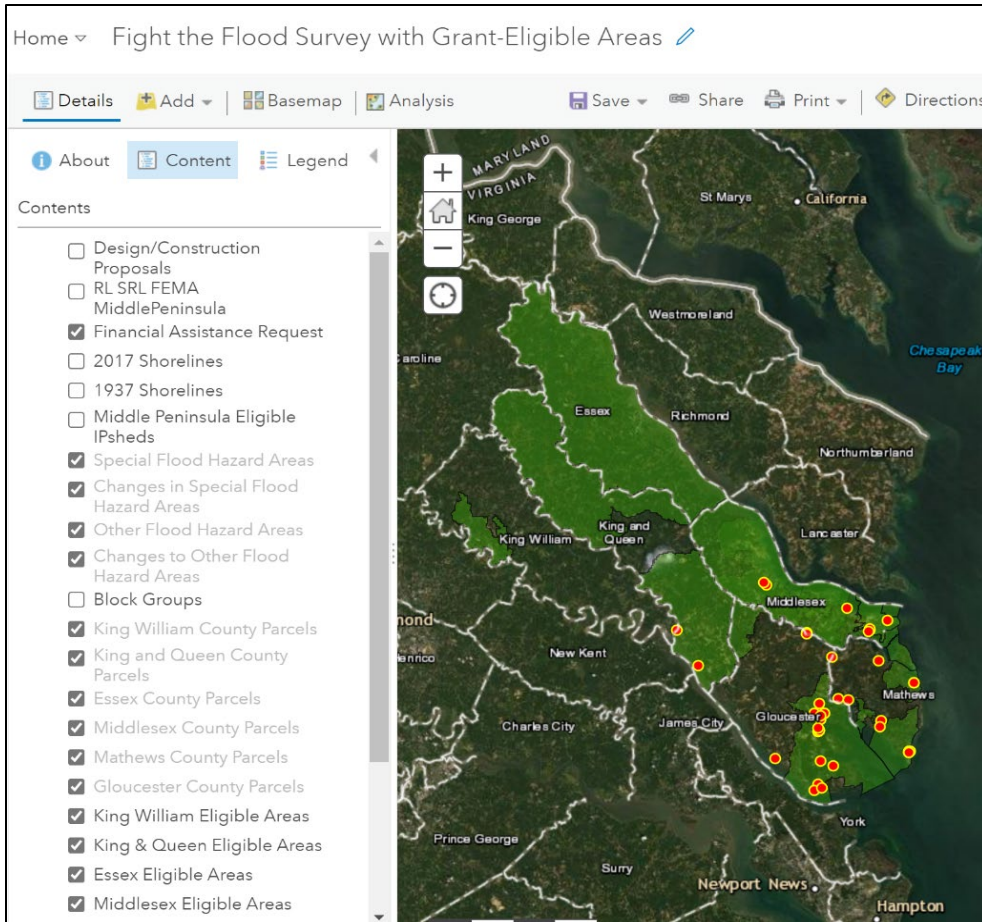


Figure 5

Image showing the current GIS database and project file used by MPPDC staff to manage the Fight the Flood program. Participants who have completed a flood protection need in-take form to report their flood problems and needs are represented by the red dots. MPPDC staff use this information to screen individual needs for various funding prospects and to encourage property owners to work with neighbors in an effort to generate and advance multi-parcel flood protection projects.

into a GIS database managed by MPPDC staff. The needs assistance form improvements will include new functionality which will allow for information submitted from property owners to be auto-populated into grant application templates to streamline the application development and submittal process. The improvements will also provide new functionality which allows and encourages participants to submit multi-parcel proposals with their neighbors so that larger-scale projects may be achieved more readily.

The improved FTF participant flood protection need in-take form will enhance program efficiencies by walking citizens from information through pre-application through submission and will integrate an application to MPPDC’s revolving loan fund application into the financial assistance information. The new integrated in-take form and GIS platform will automatically tag participants’ neighbors so that

MPPDC staff can reach out to them directly to create cooperative joint community flood resilience projects. The new program tools will also compile homeowners’ project information for automatic or easy inclusion into the VA Coastal Resilience Master Plan database.

The FTF program management tool overhaul will greatly enhance the MPPDC’s ability to respond to flood protection needs in the region as well as complement the new MPPDC staff hire(s) recommended for award in Round 1 by DCR.

Goals and Objectives

The Fight the Flood program goals are to generate and facilitate community resiliency by addressing flooding issues while also enhancing water quality and to encourage economic growth by targeting and attracting businesses to provide flood mitigation products and services for flood-prone properties, including shorelines

and buildings. When appropriate, projects should be designed not only for today's flooding challenges, but also designed for future flooding challenges by extrapolating FEMA flood risk using FEMA Insurance Studies or other appropriate methodologies.

Proposal Goal: The specific goal for this capacity building proposal is to address critical FTF program weaknesses to improve flood protection and prevention across the Middle Peninsula member localities. The proposal goal is comprised of one specific objective.

- **Objective 1.** Address critical FTF program management tool deficiencies through the development and enhancement of:
 - a new FTF participant flood protection need in-take form and
 - enhanced GIS program development for MPPDC staff use.

Stakeholder Identification, Outreach, and Education Strategies

MPPDC staff have the primary responsibility of providing FTF customer service to property owners. To engage and solicit participation from property owners, MPPDC staff will use the new and enhanced tools to improve the FTF program for the Middle Peninsula. The program actively works to bring both property owners and resilience contractors/business into what is the nation's first virtual, incentivized resilience marketplace. The Staff will encourage property owners and contractors/businesses to register. Staff will educate participating property owners on their eligibility for cost savings from registered FTF businesses, loans for living shorelines and other resilience activities, and grants where available. Staff will notify property owners in a specific location when grant funds may be available through geo-targeted communications and advertising. Geo-targeting involves using digital media and communications to reach consumers with messaging appropriate to their locality and behavior. Staff will discuss property transferal options with property owners, i.e., the options to donate land or allow MPPDC to acquire it (via CFPF or BRIC project proposal to acquire flood-prone land). Staff will target and solicit formal participation from property owners and initiate a Pre-Participation Agreement/MOU that will speak to the level of interest and level of cost sharing. Staff will also work with local wetland boards to update permit applications and VIMS on data resources and developing implementation plans. The new and enhanced tools will empower MPPDC staff to provide enhanced stakeholder engagement, outreach, and education in a way that is critically needed and in a way that was previously unachievable.

Timeline

January 2022 – December 2022

Q1 (January – March 2022)

- Receive funding notice and finalize contract
- Coordinate with consultants (Timmons Group and Coastal Consociate) to review project timeline and project expectations
- Initiate program management tool enhancements
- Develop and submit progress and financial reports

Q2 (April – June 2022)

- Finalize program management tool enhancements (Timmons Group)
- Train MPPDC staff on new program management tools (Timmons Group)

- MPPDC staff to deploy and begin utilizing new program management tools as they become available
- Develop and submit progress and financial reports

Q3 (July – September 2022)

- Continued orientation and training for new MPPDC staff positions
- Continued training for MPPDC staff on new program management tools (Timmons Group)
- Develop and submit progress and financial reports

Q4 (November – December 2022)

- Continued orientation and training for new MPPDC staff positions (as needed)
- Continued training for MPPDC staff on new program management tools (Timmons Group) (as needed)
- Develop and submit final progress and financial reports for project close out.

Project Partners

The MPPDC will be the sole responsible entity for capacity building to facilitate development and implementation of projects. The MPPDC will coordinate closely with stakeholders including local, state and federal governments; citizens; and business owners.

Performance Outputs and Measures

The increase in capacity will allow MPPDC to facilitate high priority flood mitigation projects efficiently and effectively throughout the region and to those of greatest need and vulnerability. Projects generated through the FTF program on individual or neighboring parcels improve resilience to localized flooding and erosion, and the cumulative impact creates a community-wide benefit.

Performance metrics will include:

- Number of property owners, business owners, and local governments participating in the FTF program,
- Number of qualified contractors enrolled in the FTF program,
- Number of visits to the FTF program website,
- Number of participant flood protection need in-take forms submitted via the FTF program website,
- Number of grant and loan applications submitted for flood protection projects,
- Number of projects that receive grant funding,
- Number of projects implemented including number of projects in low-income geographic areas and number of projects implemented in socially vulnerable areas,
- Number of feet of shoreline protected,
- Number of flood mitigation communication materials published or distributed.

Maintaining Capacity

As described above, MPPDC staff will be responsible for maintaining and sustaining the staffing capacity needed to effectively implement the FTF program and the new and enhanced tools created through this Round 2 proposal.

Budget Narrative

Estimated Total Project Cost

Figure 6 presents the estimated budget for the proposed capacity building and planning project that will achieve the needed capacity issues for the MPPDC’s growing FTF program. MPPDC staff are requesting 90% funding from DCR and will provide 10% match in accordance with the DCR Grant Manual requirements.

Figure 6 - Proposed Project Budget

Title: MPPDC Flood Preparedness Capacity Building							
Budget Narrative (Category D)							Budget (Cat. D)
							Applicant 1
Personnel Salaries/Wages	DCR %	Match %	Annual Salary	DCR	Owner	Total	
<i>Staff</i>	22.25%	5.57%	\$70,000	\$5,027	\$559	\$5,586	
Personnel	<i>Proj Admin Split</i>						
		Total		DCR	Owner		
				90%	10%		
Fringe, 26.21% salaries;			\$47,000	42,300.00	4,700.00	\$1,318	\$147
	15%		7,050.00	6,345.00	705.00		
Total Personnel			54,050.00	48,645.00	5,405.00	\$6,345	\$706
Direct Costs: SubAward/SubContract Agreements						90%	10%
<i>Timmons Group - Prog. Mgmt. Tool Development</i>				\$45,000	\$40,500	\$4,500	\$45,000
<i>ESRI ArcGIS License Credits</i>				\$2,000	\$1,800	\$200	\$2,000
<i>Project financial services (50000/50500/55900/56100)</i>				\$6,388	\$5,750	\$639	\$6,388
<i>Facility services (52100/52200/52400/54200/54500)</i>				\$1,821	\$1,639	\$182	\$1,821
<i>Communication services (52250/52255/55150/57100/57300)</i>				\$574	\$516	\$57	\$574
<i>Data services (53100/53101/53200/57900)</i>				\$173	\$156	\$17	\$173
<i>Material services (53400/53500/57200/57500)</i>				\$677	\$610	\$68	\$677
<i>Consulting services (55100/56300/56400/56700)</i>				\$824	\$742	\$82	\$824
							\$57,458
SUBTOTAL: Direct Costs						\$58,057	\$6,452
Total						\$58,057	\$6,452
Other Match:							
<i>Source of Match</i>						\$0	\$0
GRAND TOTAL						\$58,057	\$6,452

Task 1 – FTF Program Management Tool Development and Enhancements

The scope of services is provided in previous sections. Please note that the cost estimates for the program management tool development and enhancements were supplied by Timmons Group.

Funding for necessary ESRI ArcGIS License Credits is being requested as a supply expense. It is anticipated that \$2,000 of credits should cover access to the GIS tools needed to manage the FTF program.

Program Administration

MPPDC staff will manage and administer this project. Thus, personnel time is needed to ensure that project deliverables are completed within the project timeline. Along with personnel expenses, MPPDC fringe is needed. This includes health insurance, retirement, group life insurance, workman’s comp, and unemployment insurance. MPPDC fringe rate for FY22 is 26.58% and comprised of: Health Insurance – 49.33%, Retirement – 18.35%, Workers Comp – 27.42%, Social Security – 4.46%, Life Insurance – 0.40%, Unemployment – 0.04%. Direct charges are costs associated with overall projects costs consistent with general accounting principles.

Amount of Funds Requested from the Fund

Estimated total project cost:	\$64,509
Amount of funds requested from the DCR CFPF (90% project total):	\$58,057
Amount of matching funds available (10% project total):	\$6,452

Matching funds will be committed by one or a combination of the following sources: MPPDC general funds, Virginia Resources Authority living shoreline loan funds, or property owner cash. The ultimate match provided will be determined by the MPPDC should the proposal be selected for award and will be reported to DCR accordingly.

Finally, please see the authorization to request for funding and match commitment letter in **Attachment 1**.

Scoring Criteria for Capacity Building and Planning

Applicant Name:	Middle Peninsula Planning District Commission	
Eligibility Information		
Criterion	Description	Check One
1. 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)?		
Yes	Eligible for consideration	<input checked="" type="checkbox"/>
No	Not eligible for consideration	<input type="checkbox"/>
2. Does the local government have an approved resilience plan and has provided a copy or link to the plan with this application?		
Yes	Eligible for consideration under all categories	<input checked="" type="checkbox"/>
No	Eligible for consideration for studies, capacity building, and planning only	<input type="checkbox"/>
3. If the applicant is <u>not</u> a town, city, or county, are letters of support from all affected local governments included in this application?		
Yes	Eligible for consideration	<input checked="" type="checkbox"/>
No	Not eligible for consideration	<input type="checkbox"/>
4. Has this or any portion of this project been included in any application or program previously funded by the Department?		
Yes	Not eligible for consideration	<input type="checkbox"/>
No	Eligible for consideration	<input checked="" type="checkbox"/>
5. Has the applicant provided evidence of an ability to provide the required matching funds?		
Yes	Eligible for consideration	<input checked="" type="checkbox"/>
No	Not eligible for consideration	<input type="checkbox"/>
N/A	Match not required	<input type="checkbox"/>
Capacity Building and Planning Eligible for Consideration		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Applicant Name:	Middle Peninsula Planning District Commission		
Scoring Information			
Criterion	Point Value	Points Awarded	
6. Eligible Capacity Building and Planning Activities (Select all that apply)			
Revisions to existing resilience plans and modifications to existing comprehensive and hazard mitigation plans. <i>Justification: the MPPDC FTF Program is instrumental to implementing local government strategies and projects identified in comprehensive plans and the regional all hazards mitigation plan.</i>	55	55	
Development of a new resilience plan.	55	0	
Resource assessments, planning, strategies, and development. <i>Justification: These are essential elements of the MPPDC FTF Program and will be an ongoing responsibility of MPPDC staff.</i>	45	45	
Policy management and/or development. <i>Justification: MPPDC staff will be responsible for managing all FTF Program policies associated with the Program Design including the incorporation of any new policies resulting from the new and enhanced program management tools.</i>	40	40	
Stakeholder engagement and strategies. <i>Justification: Stakeholder engagement is an essential element of the MPPDC FTF Program and will be an ongoing responsibility of MPPDC staff.</i>	25	25	
Goal planning, implementation, and evaluation. <i>Justification: These are essential elements of the MPPDC FTF Program and will be an ongoing responsibility of MPPDC staff.</i>	25	25	
Long term maintenance strategy. <i>Justification: These are essential elements of the MPPDC FTF Program and will be an ongoing responsibility of MPPDC staff.</i>	25	25	
Other proposals that will significantly improve protection from flooding on a statewide or regional basis. <i>Justification: The MPPDC FTF Program involves every property within the Middle Peninsula and was born at the direction of the Middle Peninsula localities to address flooding regionally.</i>	15	15	
7. Is the area within the local government to which the grant is targeted socially vulnerable? (Based on ADAPT VA's Social Vulnerability Index Score.)			
Very High Social Vulnerability (More than 1.5)	15	15	
High Social Vulnerability (1.0 to 1.5)	12	12	
Moderate Social Vulnerability (0.0 to 1.0)	8	8	
Low Social Vulnerability (-1.0 to 0.0)	0	0	
Very Low Social Vulnerability (Less than -1.0)	0	0	
8. Is the proposed activity part of an effort to join or remedy the community's probation or suspension from the NFIP?			

Yes	10	
No	0	0
9. Is the proposed project in a low-income geographic area as defined in this manual?		
Yes	10	10
No	0	
10. Does this project provide “community scale” benefits? <i>Justification: The project provides demonstrable benefits to the entire Middle Peninsula region in the form of technical flood protection assistance and advancement for implementation of resilience projects in each locality.</i>		
Yes	20	20
No	0	
Total Points		295

Checklist - All Categories

Scope of Work Narrative	
Supporting Documentation	Included
Detailed map of the project area(s) (Projects/Studies)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
FIRMette of the project area(s) (Projects/Studies)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Historic flood damage data and/or images (Projects/Studies)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
A link to or a copy of the current floodplain ordinance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Non-Fund financed maintenance and management plan for project extending a minimum of 5 years from project close	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
A link to or a copy of the current hazard mitigation plan	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
A link to or a copy of the current comprehensive plan	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Social vulnerability index score(s) for the project area from ADAPT VA's Virginia Vulnerability Viewer	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
If applicant is not a town, city, or county, letters of support from affected communities	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Completed Scoring Criteria Sheet in Appendix B, C, or D	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Budget Narrative	
Supporting Documentation	Included
Authorization to request funding from the Fund from governing body or chief executive of the local government	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Signed pledge agreement from each contributing organization	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

SUPPORTING DOCUMENTATION

A link to or a copy of the approved resilience plan

- https://fightthefloodva.com/wp-content/uploads/2021/08/Approved-8_19_DCR-packet_letterandplan.pdf

Letters of support from all affected local governments

See Attachment 2 for letters from:

- Essex County
- Gloucester County
- King and Queen County
- King William County
- Mathews County
- Middlesex County
- Town of Tappahannock
- Town of Urbanna
- Town of West Point

Evidence of an ability to provide the required matching funds

See Attachment 1

Signed pledge agreement from each contributing organization

See Attachment 1

Map of social vulnerability index score(s) from ADAPT VA

See Figure 3

Map of low-income geographic areas

See Figure 2

A link to or a copy of the current floodplain ordinance

- Essex http://www.essex-virginia.org/UserFiles/Servers/Server_62876/File/Build%26Zone/Flood%20Zone%200rdinance.pdf
- Gloucester http://gloucestercounty-va.elaws.us/code/coor_ch8.5
- King and Queen http://kingandqueencounty.elaws.us/code/coor_ptii_ch3_art10
- King William http://kingwilliamcounty.elaws.us/code/coor_ch86_artxx
- Mathews http://mathewscounty-va.elaws.us/code/coor_ch63
- Middlesex <https://www.co.middlesex.va.us/DocumentCenter/View/422/Floodplain-Management-PDF>

Capacity Building and Planning Application

Non-Fund financed maintenance and management plan for project extending a minimum of 5 years from project close

See Page 10

A link to or a copy of the current hazard mitigation plan

- <https://www.mppdc.com/index.php/service-centers/mandates/hazards>

A link to or a copy of the current comprehensive plan

- Essex http://www.essex-virginia.org/UserFiles/Servers/Server_62876/File/PlanCom/CompPlanFinalVersion07142015.pdf
- Gloucester <https://www.gloucesterva.info/373/Comprehensive-Plan>
- King and Queen http://www.kingandqueenco.net/html/Govt/bzondocs/comp_plan_2006.PDF
- King William <https://www.kingwilliamcounty.us/273/Comprehensive-Plan>
- Mathews <https://mathewscountyva.gov/196/Comprehensive-Plan>
- Middlesex <https://www.co.middlesex.va.us/252/Comprehensive-Plan>

Capacity Building and Planning Application

Attachment 1: MPPDC Authorization to Request Funding and Matching Funds Commitment

Capacity Building and Planning Application



COMMISSIONERS

Essex County
Hon. Edwin E. Smith, Jr.
Hon. John C. Magruder
Ms. Sarah Pope
Mr. Michael A. Lombardo

Town of Tappahannock
Hon. Fleet Dillard

Gloucester County
Hon. Ashley C. Chriscoe
(Vice-Chairman)
Hon. Michael R.
Winebarger
Dr. William G. Reay
Mr. J. Brent Fedors

King and Queen County
Hon. Sherrin C. Alsop
Hon. R. F. Bailey
Mr. Thomas J.
Swartzwelder
(Chairman)

King William County
Hon. Ed Moren, Jr.
Hon. Travis J. Moskalski
(Treasurer)
Mr. Otto O. Williams

Town of West Point
Hon. James Pruett
Mr. John Edwards

Mathews County
Hon. Michael C. Rowe
Hon. Melissa Mason
Mr. Thornton Hill

Middlesex County
Hon. Wayne H. Jessie, Sr.
Hon. Reggie Williams, Sr.
Mr. Gordon E. White

Town of Urbanna
Hon. Marjorie Austin

Secretary/Director
Mr. Lewis L. Lawrence

10/19/21

To: DCR Staff

From: Lewie Lawrence, MPPDC Executive Director

REF: Authorization to request for funding

Matching funds for all construction and design projects provided under any DCR application round of the Community Flood Preparedness Fund are provided by the property owner for which the project is proposed, unless otherwise noted. The match commitment letter acknowledges that the owner of the projects (landowner) understands that a match commitment is required and will be provided should the project be funded.

The required elements are found within the submitted application proposal packet. A notation of where each required item is noted in "parentheses"

- The name, address, and telephone number of the contributor (application packet and match commitment letter)
- The name of the applicant organization (application cover sheet)
- The title of the project for which the cash contribution is made application cover sheet)
- The source of funding for the cash contribution (match commitment letter)
- The dollar amount of the cash contribution (application budget)
- A statement that the contributor will pay the cash contribution during the agreement period (match commitment letter).

Saluda Professional Center ♦ 125 Bowden Street ♦ PO Box 286 ♦ Saluda, Virginia 23149
(Phone) 804 758-2311 ♦ (Fax) 804 758-3221 ♦ (Email) pdinfo@mppdc.com
<http://www.mppdc.com>

Capacity Building and Planning Application

Attachment 2: Community Support Letters



**Gloucester County
Administrator's Office**

Telephone 804-693-4042

6489 Main Street, Gloucester, Virginia 23061

Fax 804-693-6004

July 16, 2021

Lewis L. Lawrence, Executive Director
Middle Peninsula Planning District Commission
P.O. Box 286
Saluda, VA 23149

RE: Support Letter for Applications Submitted by the MPPDC to Virginia Community Flood Preparedness Fund

Dear Lewie,

Gloucester County supports all eligible applications requesting funding under the Virginia Department of Conservation and Recreation (DCR) Flood Preparedness Fund. Proposals submitted by the MPPDC on behalf of our constituents are a necessary governmental function and consistent with regional and local resilience planning efforts. We further support project proposals that demonstrate a primary purpose of prevention or protection to reduce coastal, riverine, or inland flooding. The MPPDC Fight the Flood Program serves as the region's flood resiliency coordination program. The MPPDC Living Shoreline Program Design and the MPPDC Fight the Flood Program Design provide the operational and administrative oversight for resiliency planning, coordination and implementation for our constituents suffering from flooding challenges. These programs, especially the MPPDC Fight the Flood program, recognize the need to better secure the tax base of coastal localities and the inherent risk to the delivery of essential governmental services, including public safety, posed by coastal storms and recurrent flooding of all types. They also recognize the relationship between at-risk waterfront real estate values and funding of essential governmental services.

The Fight the Flood program and the Living Shoreline program exist to help flood-prone property owners access programs and services to better manage challenges posed by flood water and direct constituents to appropriate mitigation solutions, such as nature-based solutions. When grants and loans are available, we fully support the MPPDC providing such to qualified constituents based on the terms and conditions associated with flood risk necessary to support the public purposes for which the funds, such as the Virginia Community Flood Preparedness Funds, have been allocated.

Should you have any questions concerning our support for the work of the MPPDC, I can be reached at 804-693-4042.

Sincerely,

A handwritten signature in black ink, appearing to read "Carol E. Steele".

Carol E. Steele
Acting County Administrator



King and Queen County
Founded 1691 in Virginia

Office of the County Administrator
P.O. Box 177 • King and Queen Courthouse, Virginia 23085
Phone: (804) 785-5975 • (804) 769-5000
Fax: (804) 785-5999 • (804) 769-5070

8-5-21

Dear Lewie,

King and Queen County supports all eligible applications requesting funding under the DCR Flood Preparedness Fund. Proposals submitted by MPPDC on behalf of our constituents is a necessary governmental function and consistent with regional and local resilience planning efforts. We further support project proposals that demonstrate a primary purpose of prevention or protection to reduce coastal, riverine or inland flooding. The MPPDC Fight the Flood Program serves as the regions flood resiliency coordination program. The MPPDC Living Shoreline Program Design and the MPPDC Fight the Flood Program Design provide the operational and administrative oversight for resiliency planning, coordination and implementation for our constituents suffering from flooding challenges. These programs, especially MPPDC Fight the Flood (FTF) program recognizes the need to better secure the tax base of coastal localities and the inherent risk to the delivery of essential governmental services, including public safety, posed by coastal storms and recurrent flooding of all types and the relationship between at-risk waterfront real estate values and funding of essential governmental services.

The Fight the Flood program and the Living Shoreline program exists to help flood-prone property owners access programs and services to better manage challenges posed by flood water and directs constituents to appropriate mitigation solutions, such as nature based solutions. When grants and loans are available, we fully support the MPPDC to provide such to qualified constituent's based on the terms and conditions associated with flood risk necessary to support the public purpose(s) for which the funds, such as the Virginia Community Flood Preparedness Funds have been allocated.

Regards,



Thomas J. Swartzwelder
County Administrator

Capacity Building and Planning Application



King William County
Est. 1702

Board of Supervisors

Interim County Administrator
Steven G. Hudgins

William L. Hodges, First District
Travis J. Moskalski, Second District
Stephen K. Greenwood, Third District
C. Stewart Garber, Jr., Fourth District
Edwin H. Moren, Jr., Fifth District

August 5, 2021

Lewis L. Lawrence, Executive Director
Middle Peninsula Planning District Commission
P.O. Box 286
Saluda, Va 23149

RE: Support Letter for Applications Submitted by MPPDC to Virginia Community Flood Preparedness Fund

Dear Lewie,

King William County supports all eligible applications requesting funding under the DCR Flood Preparedness Fund. Proposals submitted by MPPDC on behalf of our constituents is a necessary governmental function and consistent with regional and local resilience planning efforts. We further support project proposals that demonstrate a primary purpose of prevention or protection to reduce coastal, riverine or inland flooding. The MPPDC Fight the Flood Program serves as the regions flood resiliency coordination program. The MPPDC Living Shoreline Program Design and the MPPDC Fight the Flood Program Design provide the operational and administrative oversight for resiliency planning, coordination and implementation for our constituents suffering from flooding challenges. These programs, especially MPPDC Fight the Flood (FTF) program recognizes the need to better secure the tax base of coastal localities and the inherent risk to the delivery of essential governmental services, including public safety, posed by coastal storms and recurrent flooding of all types and the relationship between at-risk waterfront real estate values and funding of essential governmental services.

The Fight the Flood program and the Living Shoreline program exists to help flood-prone property owners access programs and services to better manage challenges posed by flood water and directs constituents to appropriate mitigation solutions, such as nature based solutions. When grants and loans are available, we fully support the MPPDC to provide such to qualified constituent's based on the terms and conditions associated with flood risk necessary to support the public purpose(s) for which the funds, such as the Virginia Community Flood Preparedness Funds have been allocated.

Should you have any questions concerning our support for the work of the MPPDC, I can be reached at 804-769-4926.

Sincerely,

Steve Hudgins
Interim County Administrator
King William County

180 Horse Landing Road #4 • King William, Virginia 23086
804-769-4927 • fax: 804-769-4964
www.kingwilliamcounty.us

DocuSign Envelope ID: 541BC1EB-5FCF-4F8B-9D27-B668C2DAE00C

County Administration



Lewis L. Lawrence, Executive Director
Middle Peninsula Planning District Commission
P.O. Box 286
Saluda, Va 23149

RE: Support Letter for Applications Submitted by MPPDC to Virginia Community Flood Preparedness Fund

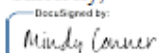
Dear Lewie,

Mathews County supports all eligible applications requesting funding under the DCR Flood Preparedness Fund. Proposals submitted by MPPDC on behalf of our constituents is a necessary governmental function and consistent with regional and local resilience planning efforts. We further support project proposals that demonstrate a primary purpose of prevention or protection to reduce coastal, riverine or inland flooding. The MPPDC Fight the Flood Program serves as the regions flood resiliency coordination program. The MPPDC Living Shoreline Program Design and the MPPDC Fight the Flood Program Design provide the operational and administrative oversight for resiliency planning, coordination and implementation for our constituents suffering from flooding challenges. These programs, especially MPPDC Fight the Flood (FTF) program recognizes the need to better secure the tax base of coastal localities and the inherent risk to the delivery of essential governmental services, including public safety, posed by coastal storms and recurrent flooding of all types and the relationship between at-risk waterfront real estate values and funding of essential governmental services.

The Fight the Flood program and the Living Shoreline program exists to help flood-prone property owners access programs and services to better manage challenges posed by flood water and directs constituents to appropriate mitigation solutions, such as nature-based solutions. When grants and loans are available, we fully support the MPPDC to provide such to qualified constituents based on the terms and conditions associated with flood risk necessary to support the public purpose(s) for which the funds, such as the Virginia Community Flood Preparedness Funds have been allocated.

Should you have any questions concerning our support for the work of the MPPDC, I can be reached at 804-725-7172.

Sincerely,

DocuSigned by:

Melinda Conner
County Administrator

804.725.7172 office
804.725.7805 fax
mathewscountyva.gov

50 Brickbat Road | P.O. Box 839 | Mathews, VA 23109



Matthew L. Walker
County Administrator
877 General Puller Hwy
Saluda, VA 23149
804-758-4330
m.walker@co.middlesex.va.us



Betty S. Muney
Assistant County Administrator

Ann Marie S. Ricardi
Assistant County Administrator

County of Middlesex
Office of the County Administrator

July 20, 2021

Lewis L Lawrence, Executive Director
Middle Peninsula Planning District Commission
P.O. Box 286
Saluda, Va 23149

RE: Support Letter for Applications Submitted by MPPDC to Virginia Community Flood Preparedness Fund

Dear Mr. Lawrence:

Middlesex County supports all eligible applications requesting funding under the DCR Flood Preparedness Fund. Proposals submitted by MPPDC on behalf of our constituents are part of our necessary governmental functions and are consistent with regional and local resilience planning efforts. We further support project proposals that demonstrate a primary purpose of prevention or protection to reduce coastal, riverine or inland flooding. The MPPDC Fight the Flood (FTF) Program serves as the region's flood resiliency coordination program. The MPPDC Living Shoreline Program Design and the MPPDC FTF Program provide the operational and administrative oversight for resiliency planning, coordination and implementation for our constituents suffering from flooding challenges. These programs assist to secure the tax base of coastal localities and reduce the inherent risk to the delivery of essential governmental services, including public safety, posed by coastal storms and recurrent flooding of all types.

The FTF and the Living Shoreline programs exist to help the owners of flood-prone properties access programs and services to better manage challenges posed by flood water and to direct constituents to appropriate mitigation solutions, such as nature-based solutions. When grants and loans are available, we fully support the MPPDC to provide such to qualified constituents, to support the public purpose(s) for which the funds, such as the Virginia Community Flood Preparedness Funds, have been allocated.

Should you have any questions concerning our support for the work of the MPPDC, I can be reached at 804-758-4330.

Respectfully,

Matt Walker
County Administrator



Established 1692

Essex County, Virginia

202 South Church Lane
Post Office Box 1079
Tappahannock, Virginia 22560

August 6, 2021

Lewis L Lawrence, Executive Director
Middle Peninsula Planning District Commission
P.O. Box 286
Saluda, Va 23149

RE: Support Letter for Applications Submitted by MPPDC to Virginia Community Flood Preparedness Fund

Dear Lewie,

Essex County supports all eligible applications requesting funding under the DCR Flood Preparedness Fund. Proposals submitted by MPPDC on behalf of our constituents is a necessary governmental function and consistent with regional and local resilience planning efforts. We further support project proposals that demonstrate a primary purpose of prevention or protection to reduce coastal, riverine or inland flooding. The MPPDC Fight the Flood Program serves as the regions flood resiliency coordination program. The MPPDC Living Shoreline Program Design and the MPPDC Fight the Flood Program Design provide the operational and administrative oversight for resiliency planning, coordination and implementation for our constituents suffering from flooding challenges. These programs, especially MPPDC Fight the Flood (FTF) program recognizes the need to better secure the tax base of coastal localities and the inherent risk to the delivery of essential governmental services, including public safety, posed by coastal storms and recurrent flooding of all types and the relationship between at-risk waterfront real estate values and funding of essential governmental services.

The Fight the Flood program and the Living Shoreline program exists to help flood-prone property owners access programs and services to better manage challenges posed by flood water and directs constituents to appropriate mitigation solutions, such as nature based solutions. When grants and loans are available, we fully support the MPPDC to provide such to qualified constituent's based on the terms and conditions associated with flood risk necessary to support the public purpose(s) for which the funds, such as the Virginia Community Flood Preparedness Funds have been allocated.

Should you have any questions concerning our support for the work of the MPPDC, I can be reached at 804-443-4311

Best regards,

Michael A. Lombardo

Michael A. Lombardo
Essex County Administrator

Eric Pollitt
Friday, August 6, 2021 9:18 AM
wis Lawrence; Curt Smith
ombardo@essex-virginia.org
ct: RE: Lewie- MPPDC- Missing Letter

Eric S. Lawrence, Executive Director
Essex Peninsula Planning District Commission
Box 286
Essex, Va 23149

Support Letter for Applications Submitted by MPPDC to Virginia Community Flood Preparedness Fund

Lewie,

Tappahannock supports all eligible applications requesting funding under the DCR Flood Preparedness Fund. Proposals submitted by MPPDC on behalf of our constituents is a necessary governmental function consistent with regional and local resilience planning efforts. We further support project proposals that demonstrate a primary purpose of prevention or protection to reduce coastal, riverine or inland flooding. The MPPDC Fight the Flood Program serves as the region's flood resiliency coordination program. The DCR Living Shoreline Program Design and the MPPDC Fight the Flood Program Design provide the technical and administrative oversight for resiliency planning, coordination and implementation for our constituents suffering from flooding challenges. These programs, especially MPPDC Fight the Flood Program, recognize the need to better secure the tax base of coastal localities and the inherent risk to the delivery of essential governmental services, including public safety, posed by coastal storms and recurrent flooding of all types and the relationship between at-risk waterfront real estate values and the delivery of essential governmental services.

The Fight the Flood program and the Living Shoreline program exist to help flood-prone property owners access programs and services to better manage challenges posed by flood water and directs constituents to appropriate mitigation solutions, such as nature-based solutions. When grants and loans are available, we support the MPPDC to provide such to qualified constituents based on the terms and conditions associated with flood risk necessary to support the public purpose(s) for which the funds, such as the Virginia Community Flood Preparedness Funds, have been allocated.

If you have any questions concerning our support for the work of the MPPDC, I can be reached at ericpollitt@tappahannock-va.gov or 804-443-3336.

Sincerely,

S. Pollitt
Tappahannock
City Manager

Capacity Building and Planning Application

From: g.wheeler@urbannava.gov
Sent: Thursday, August 5, 2021 1:08 PM
To: Lewis Lawrence
Cc: r.kime@urbannava.gov; Michele Hutton; Barbara Hartley
Subject: DCR Flood Preparedness Fund

Dear Lewie,

The Town of Urbanna supports all eligible applications requesting funding under the DCR Flood Preparedness Fund. Proposals submitted by MPPDC on behalf of our constituents is a necessary governmental function and consistent with regional and local resilience planning efforts. We further support project proposals that demonstrate a primary purpose of prevention or protection to reduce coastal, riverine or inland flooding. The MPPDC Fight the Flood Program serves as the regions flood resiliency coordination program. The MPPDC Living Shoreline Program Design and the MPPDC Fight the Flood Program Design provide the operational and administrative oversight for resiliency planning, coordination and implementation for our constituents suffering from flooding challenges. These programs, especially MPPDC Fight the Flood (FTF) program recognizes the need to better secure the tax base of coastal localities and the inherent risk to the delivery of essential governmental services, including public safety, posed by coastal storms and recurrent flooding of all types and the relationship between at-risk waterfront real estate values and funding of essential governmental services.

The Fight the Flood program and the Living Shoreline program exists to help flood-prone property owners access programs and services to better manage challenges posed by flood water and directs constituents to appropriate mitigation solutions, such as nature based solutions. When grants and loans are available, we fully support the MPPDC to provide such to qualified constituent's based on the terms and conditions associated with flood risk necessary to support the public purpose(s) for which the funds, such as the Virginia Community Flood Preparedness Funds have been allocated.

Should you have any questions concerning our support for the work of the MPPDC, I can be reached at [\(804\) 758-2613](tel:8047582613).

Garth L. Wheeler
Town Administrator
[45 Cross Street](mailto:g.wheeler@urbannava.gov)
[Urbanna, VA 23175](mailto:g.wheeler@urbannava.gov)
[\(804\)7582613](tel:8047582613)

Capacity Building and Planning Application

Council Members:
TINA S. GULLEY
ROBERT J. LAWRENCE
JOSHUA T. "JACK" LAWSON
JAMES "JAMIE" PRUETT
JOHN G. RAGSDALE, II
CHRISTOPHER P. VINCENT



JAMES H. HUDSON, III
Mayor
DEBORAH T. BALL
Vice Mayor
JOHN B. EDWARDS, JR.
Town Manager

TOWN OF WEST POINT

August 5, 2021

Lewis L. Lawrence, Executive Director
Middle Peninsula Planning District Commission
P.O. Box 286
Saluda, Va 23149

RE: Support Letter for Applications Submitted by MPPDC to Virginia Community Flood Preparedness Fund

Dear Lewie,

The Town of West Point supports all eligible applications requesting funding under the DCR Flood Preparedness Fund. Proposals submitted by MPPDC on behalf of our constituents is a necessary governmental function and consistent with regional and local resilience planning efforts. We further support project proposals that demonstrate a primary purpose of prevention or protection to reduce coastal, riverine or inland flooding. The MPPDC Fight the Flood Program serves as the regions flood resiliency coordination program. The MPPDC Living Shoreline Program Design and the MPPDC Fight the Flood Program Design provide the operational and administrative oversight for resiliency planning, coordination and implementation for our constituents suffering from flooding challenges. These programs, especially MPPDC Fight the Flood (FTF) program recognizes the need to better secure the tax base of coastal localities and the inherent risk to the delivery of essential governmental services, including public safety, posed by coastal storms and recurrent flooding of all types and the relationship between at-risk waterfront real estate values and funding of essential governmental services.

The Fight the Flood program and the Living Shoreline program exists to help flood-prone property owners access programs and services to better manage challenges posed by flood water and directs constituents to appropriate mitigation solutions, such as nature based solutions. When grants and loans are available, we fully support the MPPDC to provide such to qualified constituent's based on the terms and conditions associated with flood risk necessary to support the public purpose(s) for which the funds, such as the Virginia Community Flood Preparedness Funds have been allocated.

Should you have any questions concerning our support for the work of the MPPDC, I can be reached at (804) 843-3330

Sincerely,


John B. Edwards, Jr.
Town Manager

802 Main Street
P.O. Box 152, West Point, Virginia 23181
(804) 843-3330 / Fax (804) 843-4364
www.West-Point.va.us

Attachment 3: Middle Peninsula Flood Protection Planning and Studies History

Capacity Building and Planning Application

The Middle Peninsula PDC staff have worked throughout the years to understand the policy, research and impacts of flooding (i.e., stormwater, coastal, riverine, sea level rise) and coastal resiliency to the region. Below is a list of projects that have built upon each other over the year that have contributed to our understanding.

Climate Change and Sea Level Rise (2009 to 2012)

The Middle Peninsula PDC was funded for a 3 Phase project through the Virginia Coastal Zone Management Program to assess the impacts of climate and sea level rise throughout the region. With over 1,000 miles of linear shoreline, the Middle Peninsula has a substantial amount of coast under direct threat of accelerated climate change and more specifically sea-level. In Phase 1, Middle Peninsula PDC staff assessed the potential anthropogenic and ecological impacts of climate change. Phase 2 focused on the facilitating presentations and develop educational materials about sea level rise and climate change for the public and local elected officials. Finally, Phase 3 focused on developing adaptation public policies in response to the assessments.

Emergency Management – Hazard Mitigation Planning (2009 to Present)

Since 2009, the Middle Peninsula PDC has assisted regional localities in meeting the federal mandate to have an adopted local hazard plan. The Regional All Hazards Mitigation Plan addresses the natural hazards prone to the region, including hurricanes, winter storms, tornadoes, coastal flooding, coastal/shoreline erosion, sea level rise, winter storms, wildfire, riverine flooding, wind, dam failures, drought, lightning, and earthquakes. This plan also consists of a Hazus assessment of hurricane wind, sea level rise (i.e., Mean High Higher Water and the National Oceanic and Atmospheric Administration (NOAA) 2060 intermediate-high scenario), and flooding (coastal and riverine flooding) that estimates losses from each hazard. The Middle Peninsula All-Hazard Mitigation Plan Update 2021 is currently being updated. The 2021 All Hazards Mitigation Plan builds off and updates previous mitigation plans.

Land and Water Quality Protection (2014)

In light of changing Federal and State regulations associated with Bay clean up-nutrient loading, nutrient goals, clean water, onsite sewage disposal system (OSDS) management, storm water management, total maximum daily load (TMDL), etc., staff from the Middle Peninsula PDC will develop a rural pilot project which aims to identify pressing coastal issue(s) of local concern related to Bay clean up and new federal and state legislation which ultimately will necessitate local action and local policy development. Staff has identified many cumulative and secondary impacts that have not been researched or discussed within a local public policy venue. Year 1-3 will include the identification of key concerns related to coastal land use management/water quality and OSDS and community system deployment. Staff will focus on solution based approaches, such as the establishment of a regional sanitary sewer district to manage the temporal deployment of nutrient replacement technology for installed OSDS systems, assessment of land use classifications and taxation implications associated with new state regulations which make all coastal lands developable regardless of environmental

Capacity Building and Planning Application

conditions; use of aquaculture and other innovative approaches such as nutrient loading offset strategies and economic development drivers.

Department of Conservation and Recreation Stormwater Management (2014)

The Virginia General Assembly created a statewide, comprehensive stormwater management program related to construction and post-construction activities (HB1065 - Stormwater Integration). The DCR requires stormwater management for projects with land disturbances of one acre or more. This new state mandate requires all Virginia communities to adopt and implement stormwater management programs by July 1, 2014, in conjunction with existing erosion and sediment control programs. Additionally, the communities within the Middle Peninsula PDC are required to address stormwater quality as stipulated by the Chesapeake Bay TMDL Phase II Watershed Implementation Plan and the Virginia Stormwater Regulations. The Middle Peninsula PDC Stormwater Program helped localities develop tools specific to the region necessary to respond to the state mandate requirement for the development of successful stormwater programs.

Stormwater Management-Phase II (2014)

Middle Peninsula PDC staff and Draper Aden Associates worked with localities (i.e., Middlesex, King William, and Mathews Counties and the Town of West Point) interested in participating in a Regional Stormwater Management Program. While each locality sought different services from the regional program, this project coordinated efforts, developed regional policies and procedures, and the proper tools to implement a regional Virginia Stormwater Management Program.

Mathews County Rural Ditch Enhancement Study (2015)

In contract with Draper Aden Associates, a comprehensive engineering study was developed to provide recommendations and conceptual opinions of probable costs to improve the conveyance of stormwater and water quality through the ditches in Mathews County.

Drainage and Roadside Ditching Authority (2015)

This report explored the enabling mechanism in which a Regional Drainage and Roadside Ditching Authority could be developed. An Authority would be responsible for prioritizing ditch improvement needs, partnering with Virginia Department of Transportation (VDOT) to leverage available funding, and ultimately working toward improving the functionality of the region's stormwater conveyance system.

Living Shoreline Incentive Program (2016 to present)

In 2011 Virginia legislation was passed designating living shorelines as the preferred alternative for stabilizing Virginia tidal floodplain shorelines. The Virginia Marine Resources Commission, in cooperation with the Virginia Department of Conservation and Recreation and with technical assistance from the Virginia Institute of Marine Science (VIMS), established and implemented a general permit regulation that authorizes and encourages the use of living shorelines however, no financial incentives were put in place to encourage consumers to choose living

Capacity Building and Planning Application

shorelines over traditional hardening projects in the Commonwealth. To fill this, need the Middle Peninsula PDC developed the Middle Peninsula PDC Living Shoreline Incentives Program to offer loans and/or grants to private property owners interested in installing living shorelines to stabilize their shoreline. Currently, loans are available to assist homeowners to install living shorelines on suitable properties. Loans up to \$10,000 can be financed for up to 5 years (60 months). Loans over \$10,000 can be financed for up to 10 years (120 months). Interest is at the published Wall Street Journal Prime rate on the date of loan closing - currently at 5.25% (11/29/18). Minimum loan amount is \$1,000. Maximum determined by income and ability to repay the loan. Finally, there are currently no grants available in this program. Since 2016 under the Middle Peninsula PDC Living Shoreline Revolving Loan program, 8 living shorelines have been financed and built to date encumbering ~\$500,000 in Virginia Resources Authority loan funding and ~\$400,000 in National Fish and Wildlife Foundation grant funding. Living Shoreline construction cost to date range per job \$14,000- \$180,000. Middle Peninsula PDC oversees all aspects (planning, financing, construction, and loan servicing) of these projects from cradle to grave.

Mathews County Ditch Project – VCPC White Papers (2017)

This report investigated the challenges presented by the current issues surrounding the drainage ditch network of Mathews County. The study summarized research conducted in the field; examined the law and problems surrounding the drainage ditches; and proposed some next steps and possible solutions.

Mathews County Ditch Mapping and Database Final Report (2017)

This project investigated roadside ditch issues in Mathews County through mapping and research of property deeds to document ownership of ditches and outfalls. This aided in understanding the needed maintenance of failing ditches and the design of a framework for a database to house information on failing ditches to assist in the prioritization of maintenance needs.

Virginia Stormwater Nuisance Law Guidance (2018)

This report was developed by the Virginia Coastal Policy Center to understand the ability of a downstream recipient of stormwater flooding to bring a claim under Virginia law against an upstream party, particularly a nuisance claim. The report summarizes how Virginia courts determine stormwater flooding liability between two private parties.

Oyster Bag Sill Construction and Monitoring at Two Sites in Chesapeake Bay (2018)

Virginia Institute of Marine Science (VIMS) Shoreline Studies Program worked with the Public Access Authority (PAA) to (1) install oyster bag sills as shore protection at two PAA sites with the goal of determining effective construction techniques and placement guidelines for Chesapeake Bay shorelines and (2) assess the effectiveness for shore protection with oyster bags on private property through time.

Capacity Building and Planning Application

Fight the Flood Program (2020)

The Fight the Flood (FTF) was launched in 2020 to connect property owners to contractors who can help them protect their property from rising flood waters. FTF also offers a variety of financial tools to fund these projects including but limited to the Septic Repair revolving loan program, Living Shoreline incentives revolving loan fund program, and plant insurance for living shorelines.