

Planning a Resilience Hub with a Tribal Government in Virginia: Co-Producing the Hub Planning Process and Resource Guides



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Project Overview

*A **resilience hub** is a multi-functional community center offering social and educational services while serving as an emergency shelter during hazardous events where residents can find supplies and vital communication.*



Previous Award

- Adapted our Resilience Adaptation Feasibility Tool (RAFT) assessment process to accommodate the unique cultural and administrative attributes of the participating tribal communities.
- Co-produced a Resilience Action Checklist of implementation goals.
- Developed an integration model for resilience building and resource leveraging.
- Identified the resilience hub concept as a culturally adaptable strategy for leveraging resources and implementing goals.



Continuation Award Purpose

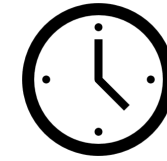
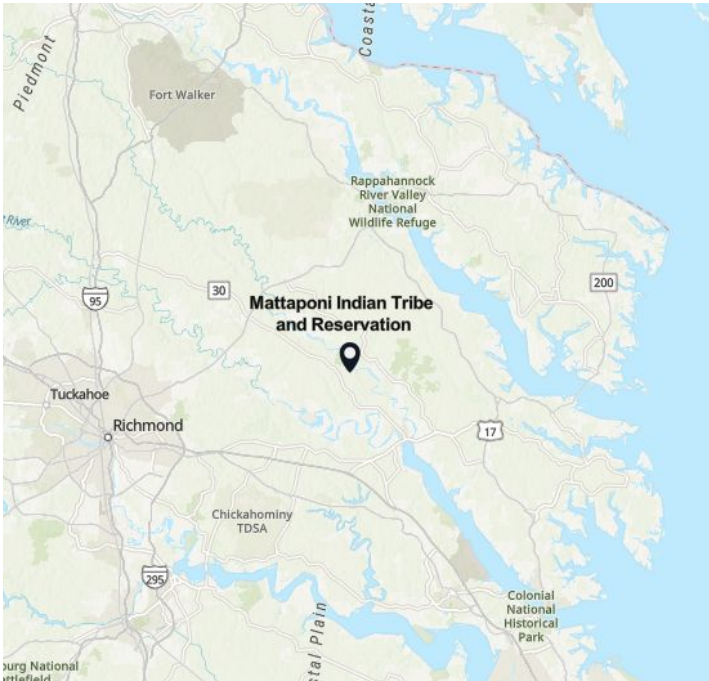
- Outline a resilience hub planning process and implementation strategies that align with tribal governance structures.
- Increase community awareness of resilience hub planning and hazard mitigation opportunities.
- Develop two deliverable products to inform and facilitate resilience hub planning in a tribal community context:
 - Resilience Hub Design Story Map
 - Funding Resource Guide
- Co-produce deliverable products to ensure cultural competency.

Project Overview



Project Site

Mattaponi Indian Tribe and Reservation; located on Virginia's Middle Peninsula along the Mattaponi River



Timeline

February 2023 – Began initial research project assessing resilience capacity and opportunities.

November 2023 – Began consulting with liaison for continuation award work.

December 2023 – Recruited members for Resilience Hub Planning Committee.

February 2024 – Held community engagement workshop.

March 2024 – Refined and delivered final resources guides and planning materials.

Community Partners



Annual Powwow, June 2024

- Tribal liaison (environmental staff member) chosen by the Chief
- 10 Planning Committee members chosen by the liaison including:
 - Tribal Council members
 - Tribal staff members (e.g., environmental team)
 - Traditional Ecological Knowledge (TEK) holders
 - Local citizens
 - Diaspora citizens
 - Tribal Chief
- Subject matter experts from the research team's respective universities relating to health, ecosystems, geospatial, and engineering professions.

Project Activities

1. Strategy Meetings

- Five monthly 1hr meetings
- Research team, liaison, and relevant subject matter experts
- Developed Planning Committee recruitment plan, timeline and format planning for workshop, agenda setting, subject matter expert presentations, etc.

2. Form Planning Committee

- 10 members from various aspects of the community
- Recruited and initially engaged by liaison to assess capacity and understanding of tribal resilience without the research team to ensure privacy of proprietary information.

Project Activities

3. Planning Workshop

- One 2hr planning workshop
- Research team, liaison, Planning Committee members
- Reviewed previous resilience assessment findings and priorities, collected planning committee input on resilience hub development needs and capacity, identified and established hub priorities/action items.

4. Develop and Refine Deliverable Products

- Developed and refined over 4 months
- Research team
- Story Map – informational tool to visually demonstrate resilience hub concepts that can be used for educating committee and other community members; includes planning tools.
- Funding Resource Guide – collection of various potential funding sources

Results and Outcomes

Objectives

Nov 2023
Strategy Meeting 1

- Review resilience assessment and Resilience Action Checklist
- Establish the planning process
- Determine Planning Committee recruitment plan

Dec 2023
Strategy Meeting 2

- Review Story Map
- Conceptualize and set date for planning workshop
- Conceptualize Funding Resource Guide

Jan 2024
Strategy Meeting 3

- Develop planning workshop agenda
- Review Story Map and Funding Resource Guide

Feb 2024
Planning Workshop

- Review resilience assessment and Resilience Action Checklist
- Provide input on Story Map and Funding Resource Guide

Mar 2024
Strategy Meeting 4

- Review and approve content shared in Community Engagement Brief

Apr 2024
Strategy Meeting 5

- Review Funding Resource Guide
- Discuss plan for continued support

Outcomes

- Obtained letter of commitment from the Liaison
- Liaison recruited 10 Planning Committee Members
- Research Team started Story Map
- Research team revised the Story Map
- Liaison conducted outreach to Planning Committee members about Planning Workshop dates and topics
- Research Team started Funding Resource Guide
- Research Team updated the Planning Workshop agenda, Story Map, and Funding Resource Guide
- Research Team updated Story Map & Resource Guide in response to workshop input
- Research Team generated final report
- Research Team updated report and Funding Resource Guide
- Council approved final report
- Continued support plan offered by Research Team

Public Health Tools

What services can Resilience Hubs provide?

Urban Sustainability Directors Network (USDN)

Emergency Resources
Food, clean water, power source, shelter, temporary heating and cooling

Vital Communications
Warning alerts, damage assessments, information sharing, requests for assistance

Preparation and Recovery Services
Preparedness education, sustained post-disaster assistance, assess and identify community needs and priorities

Community Cohesion
Year-round capacity for education, social services




Image emphasises the multi-use capacity of Resilience Hubs

The infographic illustrates a multi-use resilience hub with various services and features. It includes a central building with solar panels on the roof, green roofs, and bicycle parking. Surrounding the building are community gardens, emergency food, water, and supplies, shaded seating and community gathering spaces, EV charging, and backup power. The hub is supported by education and programming, and community gardens. The infographic is titled 'What might I find at a Resilience Hub?' and includes an information icon (i) in the top left corner.

• Resilience Hub Design Story Map

- Introductory information on Resilience Hubs, their purpose, and optional features to include.
- Literature on climate resilience and tribal planning processes.
- Links to various planning toolkits, design guides, training opportunities, and templates for resilience hub planning.
- Examples/success stories of existing resilience hubs.

• Funding Resource Guide

- Options for funding sources including government grants and potential NGO contributors.
- Databases, search tools, and related agencies/entities.

Translating Research to Practice:

Lessons Learned



- 1** The importance of working with a tribal liaison to ensure all steps of the project were developed and facilitated in a culturally sensitive manner and in respect of proprietary information.
- 2** The value of co-production and community engagement in tribal planning processes. Engaging with community members via the Planning Committee allowed us to refine our deliverable products to address the specific and unique resilience needs of a tribal community. (Example- prioritizing TEK and culturally significant sites)
- 3** The need for developing products with formatting and information that can be utilized long-term to support future resilience hub development and maintenance. (Toolkits, guides, databases)



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Public Health Disaster Research Award Webinar:
Call 4 and Continuation Call 2
August 1, 2024

