

The seven high-priority projects agreed upon by the CAT are described in more detail in the tables below. Generally, these projects were understood by the CAT to have broad community-wide risk-reduction benefits or to benefit vulnerable populations, to be feasible, to align with the town's long-term resilience goals, to build upon other plans, and to link to efforts already underway.

All other projects considered by the CAT are documented in [Appendix G](#). Some of the other projects considered were not prioritized because they had been completed or were already in progress since being identified in previous planning efforts. Others were very localized and not perceived by the CAT to have sufficient benefit to the community at large to be considered high priority. Others would not substantially contribute to reducing coastal hazard risks or were considered infeasible by the CAT for any of the reasons noted in the criteria above, and so were not prioritized.



Figure 8. Community members discuss potential projects at the February public meeting.

7.3 High Priority Projects

The following seven projects were identified as high priority by the Hertford CAT. Click the links below to jump to more details for each project:

- 7.3.1 Jennies Gut Drainage Improvement Feasibility Study
- 7.3.2 Repair Four Damaged Storm Drains at the Stokes Apartments
- 7.3.3 Relocate or Retrofit Hertford Housing Authority Facilities
- 7.3.4 Collections System Maintenance and Repair
- 7.3.5 Pump and Lift Station Control Upgrades
- 7.3.6 Northern Riverfront Retaining Wall (Bulkhead) with Walkway
- 7.3.7 Electric Line Replacement

7.3.1 Jennies Gut Drainage Improvement Feasibility Study

Project Description	Conduct a comprehensive evaluation of the flow dynamics in Jennies Gut and associated drainage structures (ditches, culverts, etc.) to identify areas where flow needs to be increased or decreased to minimize flood risks. Specifically, evaluate road crossings and culverts on Hyde Park, Edenton Road Street, along the drainage between Carolina and Kenyon Streets, in the block west of Perry Street on Grubb Street, and the East Railroad Avenue culvert on Grubb Street. Investigate the impact of the railroad potentially holding back water and look at any need for water retention/watershed improvements in upstream areas (e.g., Nixon farmlands). Evaluate the potential to employ nature-based solutions to help retain water on the landscape or absorb water to prevent flooding of low-lying areas. Explore whether anything could be done to protect vulnerable structures such as the Stokes Street apartments.
Location	Includes the area from South Church Street to Kenyon/Carolina Avenue/West Dobbs Street.
Source	2019 Capital Improvement Plan, Public meeting input, Stakeholder Input, CAT discussion
Scoping Questions	Do flood hazard areas related to Jennies Gut differ depending on the source of flooding (e.g., from rainfall/runoff vs. storm surge/sea level rise)?
Hazard(s) Addressed by Project	Runoff, precipitation-based flooding, sea level rise, storm surge
Type of Solution	Structure and infrastructure projects, natural systems protection
FEMA Community Lifelines	Safety and Security, Transportation
Project Estimated Timeline	6 months–1 year
Responsible Entity	<ul style="list-style-type: none"> • Town of Hertford – The general area of Jennies Gut and the stream crossing to the cemetery (Hyde Park Street) • Perquimans County – Land Adjacent to Jennies Gut at Tennis Courts and the High School • NC DOT – The stream crossing at South Edenton Road Street
Potential Partners	Adjacent landowners, Natural Resources Conservation Service Soil and Water Conservation District
Existing Funding	None currently
Potential Funding Sources	<p>Study and engineering work for this project is the highest priority for RCCP Phase 3 funding.</p> <p>National Fish and Wildlife Foundation (NFWF) National Coastal Resilience Fund, Building Resilient Infrastructure and Communities (BRIC) State Allocation, WaterSMART Cooperative Watershed Management Program (CWMP), Streamflow Rehabilitation Assistance Program (StRAP) - includes debris removal:</p>
Project Estimated Cost	Medium – \$100,000 – 500,000
Anticipated Benefit	High – Action would have a significant impact on risk reduction. Mitigates risk to TH-137 (Vulnerability Index 10) – HHA Residences as well as other residences and impacts to the sewer system. Shorter term solution to mitigate threats to multiple assets makes this a very high priority. This project will prepare the town to address multiple interconnected drainage issues in and around the town core in the most technically sound and cost-effective manner.
Priority Rating	High



Figure 9. Drainage improvement feasibility study area in Jennies Gut watershed. Red dots show locations where there are known drainage issues such as undersized culverts that cause roadways and other areas to flood during high water.

7.3.2 **Repair Four Damaged Storm Drains at the Stokes Apartments**

Project Description	Repair four damaged storm drains at the Stokes Apartments
Location	Stokes Street
Source	Stakeholder input
Scoping Questions	What level of repair is needed?
Hazard(s) Addressed by Project	Runoff, precipitation-based flooding
Type of Solution	Structure and infrastructure projects
FEMA Community Lifelines	Safety and Security
Project Estimated Timeline	1 year
Responsible Entity	Town of Hertford Public Works Department
Potential Partners	None needed
Existing Funding	Currently being initiated by the Town of Hertford with some existing funding
Potential Funding Sources	Clean Water State Revolving Fund, USDA Water & Waste Disposal Loan & Grant Program, NCDEQ Water Resources Development Grant. The USDA grant program is specifically for towns with populations under 10,000 for which Hertford qualifies. Among other things funds can be used for the improvement of storm water collection, transmission, and disposal.
Project Estimated Cost	Medium – \$100,000–\$200,000
Anticipated Benefit	Medium – Action would have an impact on risk reduction. Mitigates risk to TH-137 (Vulnerability Index 10) – HHA Residences
Priority Rating	High



Figure 10. Area where four storm drains are to be repaired.

7.3.3 Relocate or Retrofit Hertford Housing Authority Facilities

Project Description	Relocate or retrofit Hertford Housing Authority facilities including administrative offices and flood prone residences on Stokes Street that back up to Jennies Gut
Location	Flood prone buildings on Stokes Street, and the Housing Authority offices at 104 White Street
Source	Public Meeting Input
Scoping Questions	Should relocation include only the three southern-most buildings on Stokes Drive that are most clearly at risk, or should it include the whole complex? [NOTE: this may depend on funding source and quantity of available funds.] Would wet floodproofing be a more effective strategy than relocation for either site? Where would the buildings be located to? Larger multi-family buildings like these typically can't be elevated (too big). The more likely scenario is that the buildings are condemned, and the residents relocated OR the buildings are flood-proofed and a more robust evacuation plan is put into place.
Hazard(s) Addressed by Project	Storm surge, sea level rise, precipitation-based flooding
FEMA Community Lifelines	Safety and Security
Type of Solution	Structure and Infrastructure
Project Estimated Timeline	5-10 years
Responsible Entity	Hertford Housing Authority
Potential Partners	North Carolina Housing Finance Agency, US Department of Housing and Urban Development
Existing Funding	None identified by CAT
Potential Funding Sources	Hazard Mitigation Grant Program (HMGP), Building Resilient Infrastructure and Communities (BRIC), Flood Mitigation Assistance (FMA), Community Development Block Grants (CDBG), Emergency Watershed Protection-Floodplain Easement Program (EWP-FEP)
Project Estimated Cost	High – \$2–\$10 million
Anticipated Benefit	High – Action would have a significant impact on risk reduction. Addresses risk to Asset TH-137 (Vulnerability Index 10). This project would benefit vulnerable individuals and families in Hertford by moving them out of harm's way, prevent repetitive losses at these properties, and ensure continuity of services provided by the Housing Authority during and following flood events.
Priority Rating	High

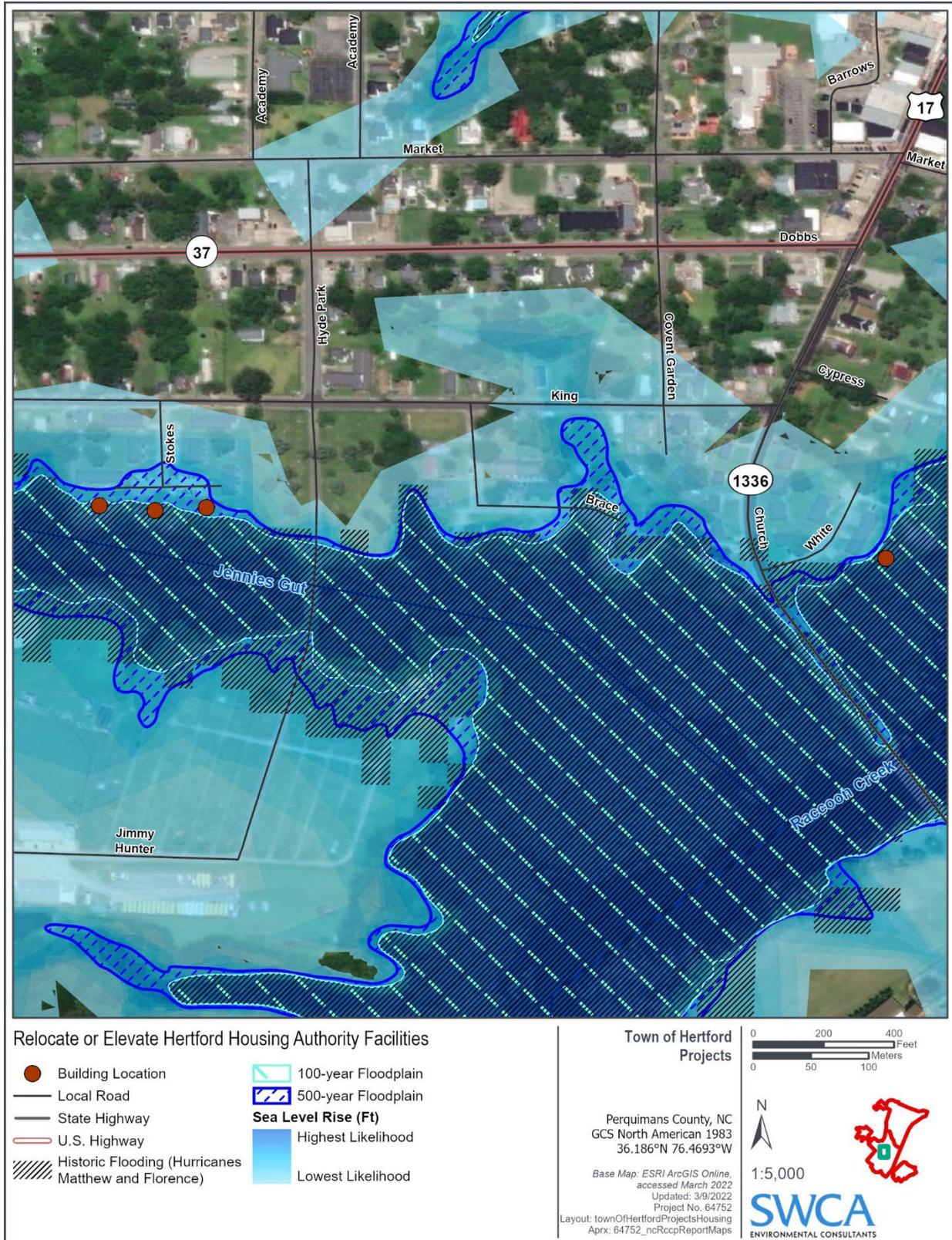


Figure 11. Location of three public residential structures and administrative office that were flooded and rebuilt in the same locations following Hurricane Isabel, showing their location within historically flooded areas, the 100-year and 500-year floodplains, and at risk of sea level rise.

7.3.4 Collections System Maintenance and Repair

Project Description	Sewer replacement project to repair access holes and repair or replace partially collapsed pipes. This includes Dobb Street sanitary sewer replacement, Jennies Gut sanitary sewer line repair or replacement, Woodland Circle and Pennsylvania Avenue sewer replacement, and repair and replacement at numerous of other sites.
Location	Town-wide
Source	2019 Capital Improvement Plan, Town Council Brief 5/13/19, Public Meeting input
Scoping Questions	At specific locations to be determined via the upcoming water/sewer survey
Hazard(s) Addressed by Project	Precipitation-based flooding, storm surge, sea level rise, runoff
FEMA Community Lifelines	Safety and Security
Type of Solution	Structure and infrastructure, emergency preparedness
Project Estimated Timeline	~10 years, including time for completion of the upcoming water/sewer survey
Responsible Entity	Town of Hertford Public Works Department
Potential Partners	
Existing Funding	\$200,000 allocated in the 2019 CIP
Potential Funding Sources	Clean Water State Revolving Fund, USDA Water & Waste Disposal Loan & Grant Program
Project Estimated Cost	High – \$1 million +
Anticipated Benefit	High – Action would have a significant impact on risk reduction.
Priority Rating	High

7.3.5 Pump and Lift Station Control Upgrades

Project Description	Pumps are reaching the end of their service lives and there are no spare pumps on hand, as required by the state. Major renovation of Cemetery Lift Station is the highest priority subproject due to overflow issues at this site. Other subprojects include Major renovation of Willow Lift Station, Meads Lift Station, Feed & Seed Lift Station on Grubb St, Commerce Park, repair or replacement of nine inoperable alarms, and upgrades to the telemetry system.
Location	Various, townwide
Source	2019 Capital Improvement Plan, Town Council Brief 5/13/19, Public Meeting input
Scoping Questions	Need to determine best way to group and sequence sub-projects for funding and implementation.
Hazard(s) Addressed by Project	Precipitation-based flooding, storm surge, sea level rise, runoff
FEMA Community Lifelines	Safety and Security
Type of Solution	Structure and infrastructure, emergency preparedness
Project Estimated Timeline	5-10 years
Responsible Entity	Town of Hertford Public Works Department
Potential Partners	
Existing Funding	\$30,000 allocated in the 2019 CIP
Potential Funding Sources	Clean Water State Revolving Fund, USDA Water & Waste Disposal Loan & Grant Program, Building Resilient Infrastructure and Communities (BRIC)
Project Estimated Cost	High – \$1 million +
Anticipated Benefit	High – Action would have a significant impact on risk reduction. Addresses risk at multiple asset locations (Vulnerability Index ranging from 4-8). Many moderately sized projects critical to prevent WWTP and Pumping Station Overloads, sewer overflows in the community and loss of sewer service to homes and businesses.
Priority Rating	High

7.3.6 Northern Riverfront Retaining Wall (Bulkhead) with Walkway

Project Description	An inland retaining wall (bulkhead) along the Hertford Waterfront to help mitigate flooding on the site and allow for redevelopment around Missing Mill Park, which is often inundated, even during rain events and strong winds. The focus is to first protect the area from flooding (as much as possible) and then to make it viable for redevelopment
Location	Hertford Waterfront – Northern Rivershore at Missing Mill Park
Source	Riverfront and Community Plan
Scoping Questions	How far along is design? May need an interim design/engineering step.
Hazard(s) Addressed by Project	Precipitation-based flooding, sea level rise, storm surge
FEMA Community Lifelines	Safety and Security
Type of Solution	Structure and Infrastructure, Nature Based Solutions
Project Estimated Timeline	5 years
Responsible Entity	Town of Hertford, Perquimans County
Potential Partners	Adjacent landowners
Existing Funding	\$117,000 allocated in 2019 CIP - Funding support from the Count and the Town is being made available for engineering, funding for CAMA permitting is part of the 2021 Community and Riverfront Plan.
Potential Funding Sources	Golden Leaf Foundation; NC Land and Water Trust Fund; Building Resilient Infrastructure and Communities (BRIC); and, if it includes living shoreline on the water side or other significant nature-based components, National Fish and Wildlife Foundation (NFWF) National Coastal Resilience Fund
Project Estimated Cost	High - \$1–\$2 million
Anticipated Benefit	High – Action would have a significant impact on risk reduction. Addresses risks to TH-100 Grubb Street (Vulnerability Index 9) as well as TH-077 Missing Mill Park/Waterfront (Vulnerability Index 6)
Priority Rating	High



Figure 12. Location of northern riverfront retaining wall (bulkhead) and walkway (shown in red). Map excerpted from the Riverfront and Community Plan.

7.3.7 **Electric Line Replacement**

Project Description	This project involves replacement of 3,400 feet of open secondary line and replacement of 6 miles of copper secondary line with aluminum. This project is a priority for the town, but specific assets and locations have not been documented.
Location	To be determined by public works
Source	Town Council Brief 5/13/19
Scoping Questions	What are the locations and extent of work needed? How is this linked to coastal hazards?
Hazard(s) Addressed by Project	To be determined based on location of lines to be replaced
FEMA Community Lifelines	Safety and Security
Type of Solution	Structure and infrastructure, emergency preparedness
Project Estimated Timeline	To be determined
Responsible Entity	Town of Hertford Public Works Department
Potential Partners	
Existing Funding	None identified by CAT
Potential Funding Sources	To be determined
Project Estimated Cost	To be determined
Anticipated Benefit	To be determined
Priority Rating	High