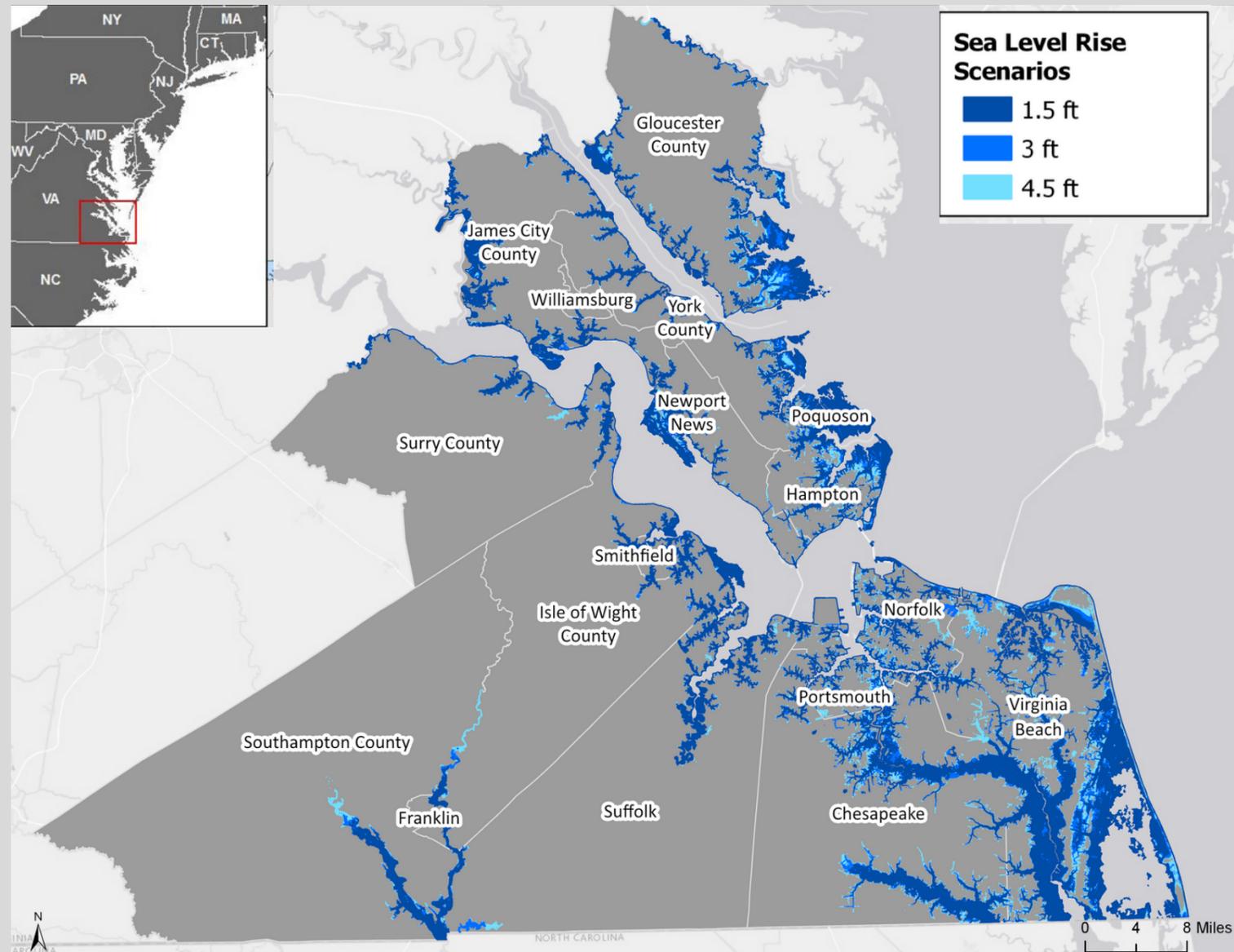


Tracking Progress towards Coastal Resiliency in Hampton Roads

ASHLEY GORDON
HAMPTON ROADS PLANNING DISTRICT COMMISSION
SOCIAL COAST FORUM, FEBRUARY 4, 2020

What is the HRPDC?



WHAT WE DO

- Provide a forum for discussion
- Coordinate activities between localities and other entities
- Data development and analysis

WHAT WE DON'T DO

- Pass and enforce ordinances
- Mandate locality actions
- Own, operate, and maintain infrastructure

DOCUMENT

Need for state and federal assistance

IDENTIFY

Opportunities for coordination
and collaboration

TRACK

Local progress on resiliency
planning and projects

COMMUNICATE

Information to local governments, elected
officials, legislators, and the public

```
graph LR; A[DATA COLLECTION] --> B[PROCESSING]; B --> C[DELIVERY]
```

DATA COLLECTION

Excel template for
local data

PROCESSING

Categorize projects and
create spatial data

DELIVERY

Project dashboard and
local programs/policies
fact sheets

What is a resilience project?



Drainage
Improvements



Natural Shoreline
Management



Road
Improvements



Structural Flood
Protection

POLICY FAST FACTS

Freeboard standard, comprehensive plan updates, hazard mitigation actions

PROGRAM SPOTLIGHT

Studies, plans, local grant programs

BY THE NUMBERS

Community Rating System score and number of flood insurance policies

Programs and Policies

```
graph LR; A[DATA COLLECTION] --> B[PROCESSING]; B --> C[DELIVERY]
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**DATA
COLLECTION**

Excel template for
local data

PROCESSING

Categorize projects and
create spatial data

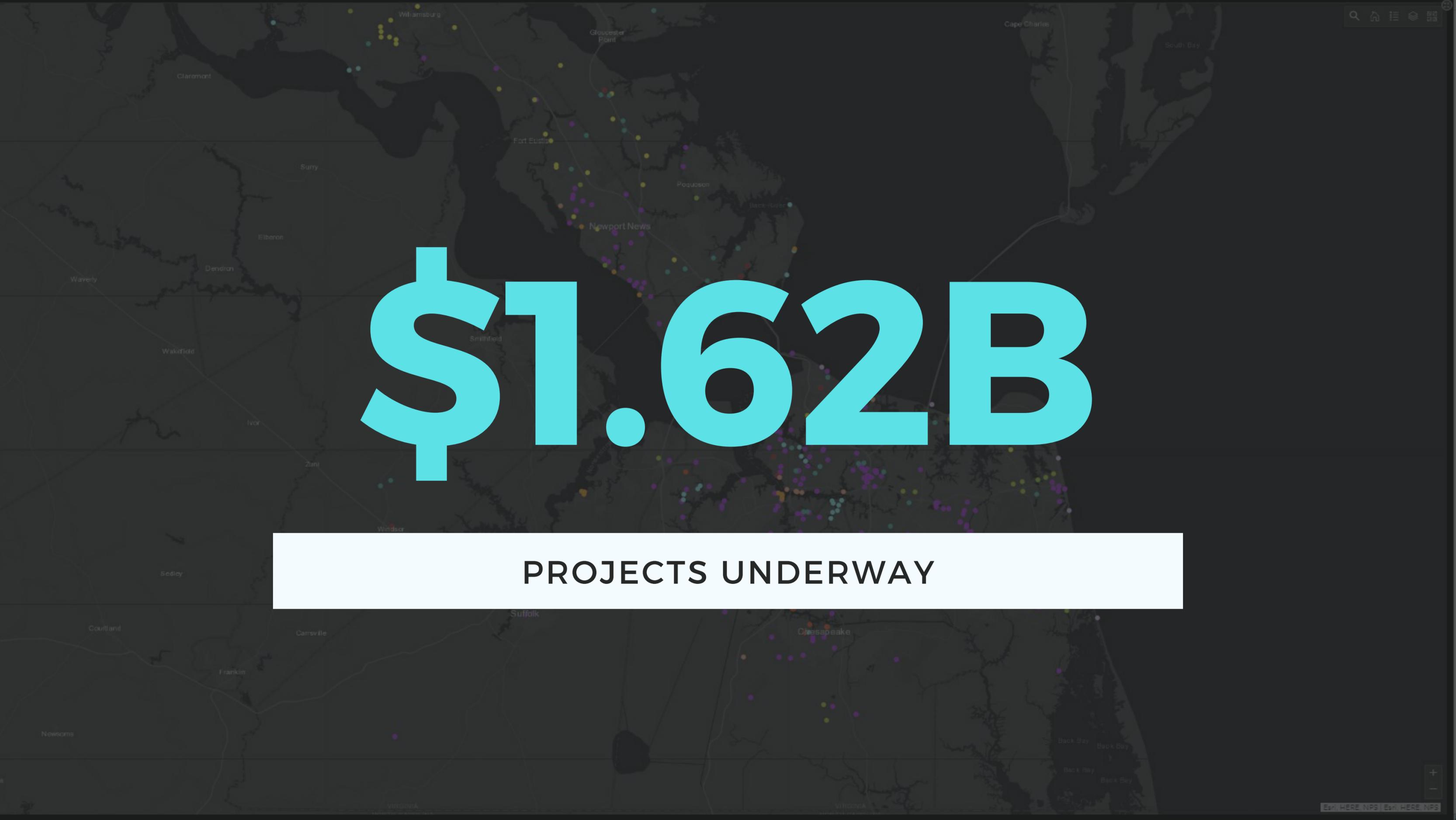
DELIVERY

Project dashboard and
local programs/policies
fact sheets

A dark-themed map of Virginia showing various counties and cities. Numerous small, multi-colored dots (purple, yellow, orange, blue) are scattered across the map, representing project locations. The dots are most densely clustered in the central and eastern parts of the state, particularly around the Hampton Roads area and the Chesapeake Bay region. Major cities like Williamsburg, Gloucester Point, Fort Eustis, Newport News, Hampton, Suffolk, and Chesapeake are labeled. The text '\$122.6M' is overlaid in large, bold, cyan font.

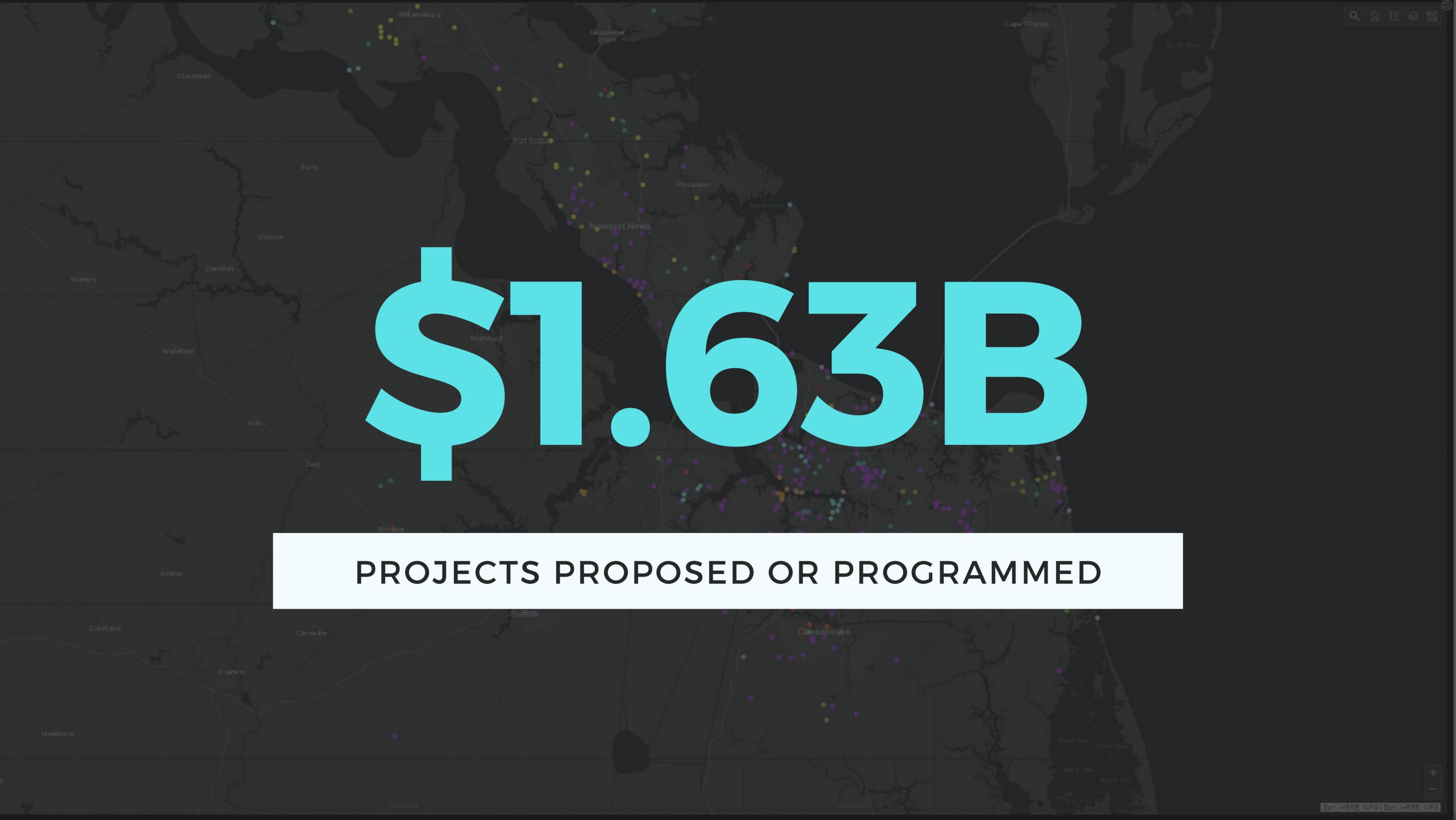
\$122.6M

PROJECTS COMPLETED

A dark-themed map of Virginia showing various counties and cities. Numerous small, multi-colored dots (purple, yellow, green, blue) are scattered across the map, representing project locations. The dots are most densely clustered in the central and eastern parts of the state, particularly around the Chesapeake Bay area and the James River valley. Major cities like Williamsburg, Gloucester Point, Fort Eustis, Newport News, and Back Bay are labeled. The text '\$1.62B' is overlaid in large, bold, cyan font.

\$1.62B

PROJECTS UNDERWAY

A dark-themed map of Virginia showing various counties and cities. Numerous small, multi-colored dots (purple, yellow, green, blue) are scattered across the map, representing project locations. The dots are most densely clustered in the central and eastern parts of the state, particularly around the Chesapeake Bay area and the James River valley. Major cities like Williamsburg, Gloucester Point, Fort Eustis, Newport News, and Back Bay are labeled. The map also shows major water bodies and a grid of latitude and longitude lines.

\$1.63B

PROJECTS PROPOSED OR PROGRAMMED

```
graph LR; A[DATA COLLECTION] --> B[PROCESSING]; B --> C[DELIVERY]
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**DATA
COLLECTION**

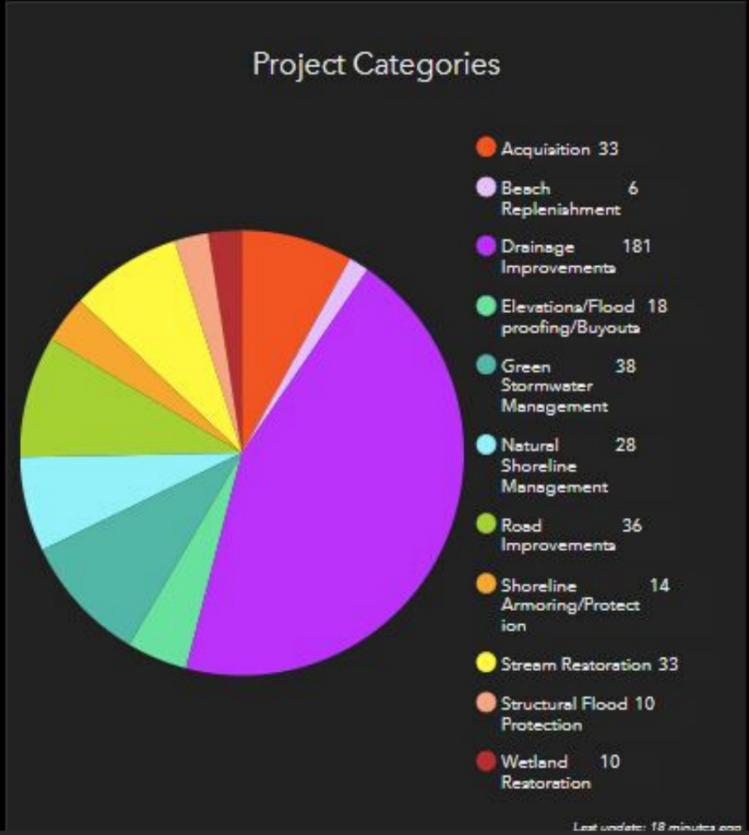
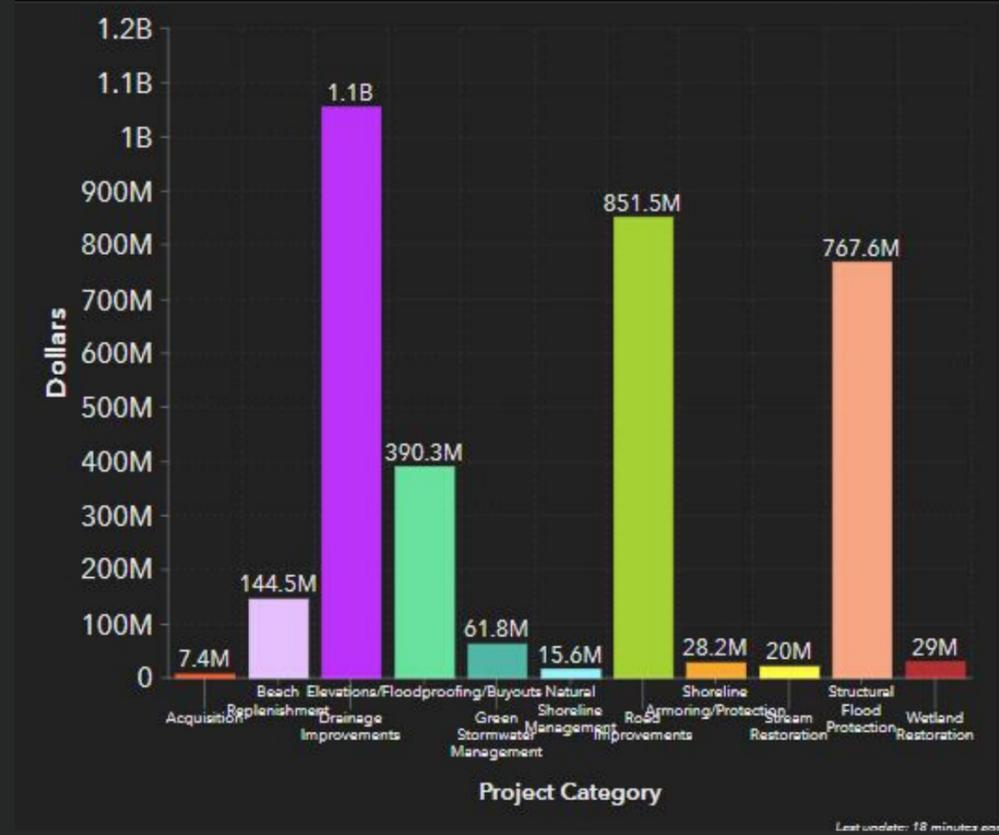
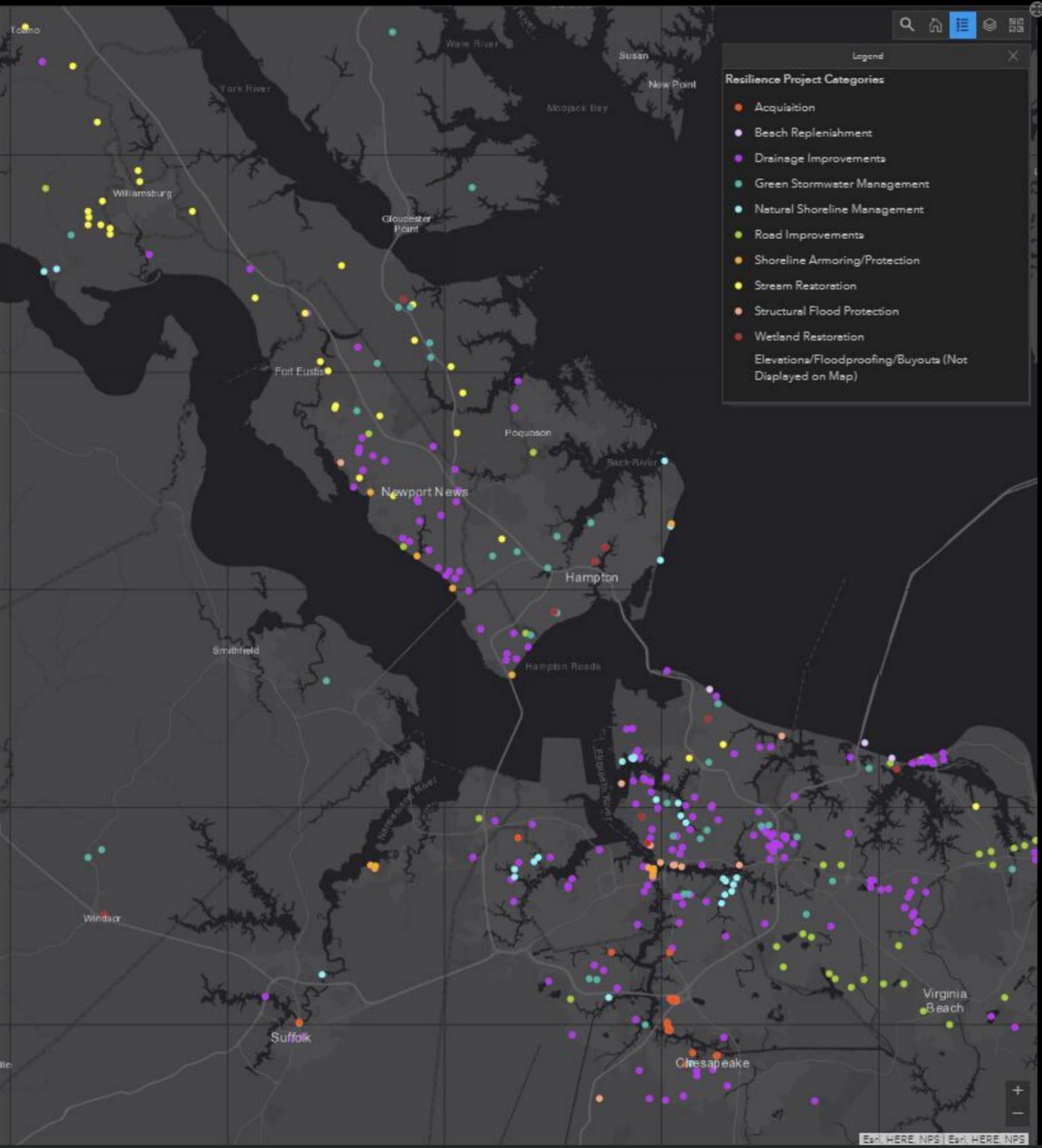
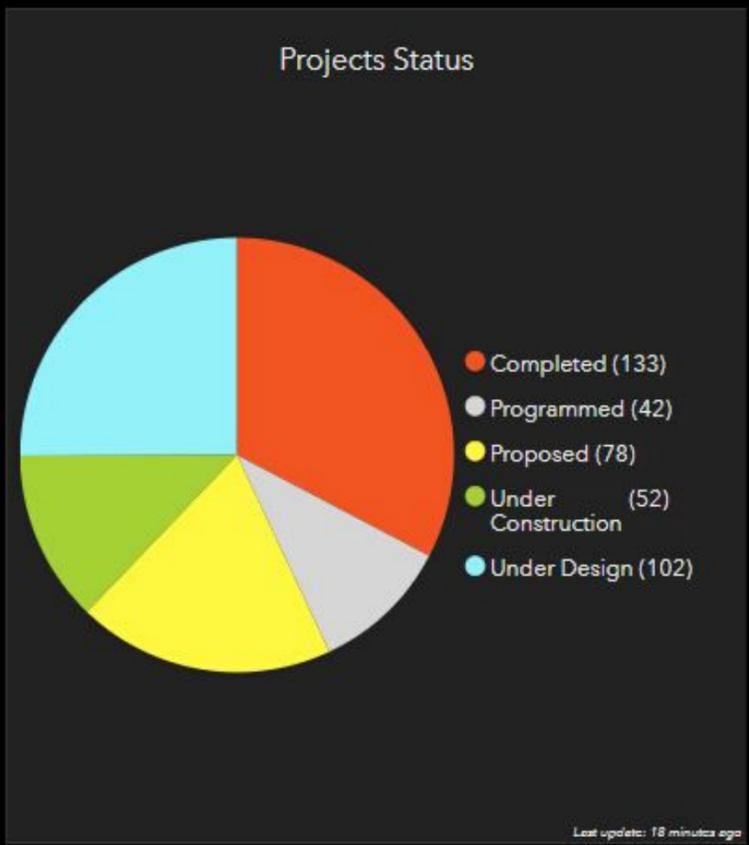
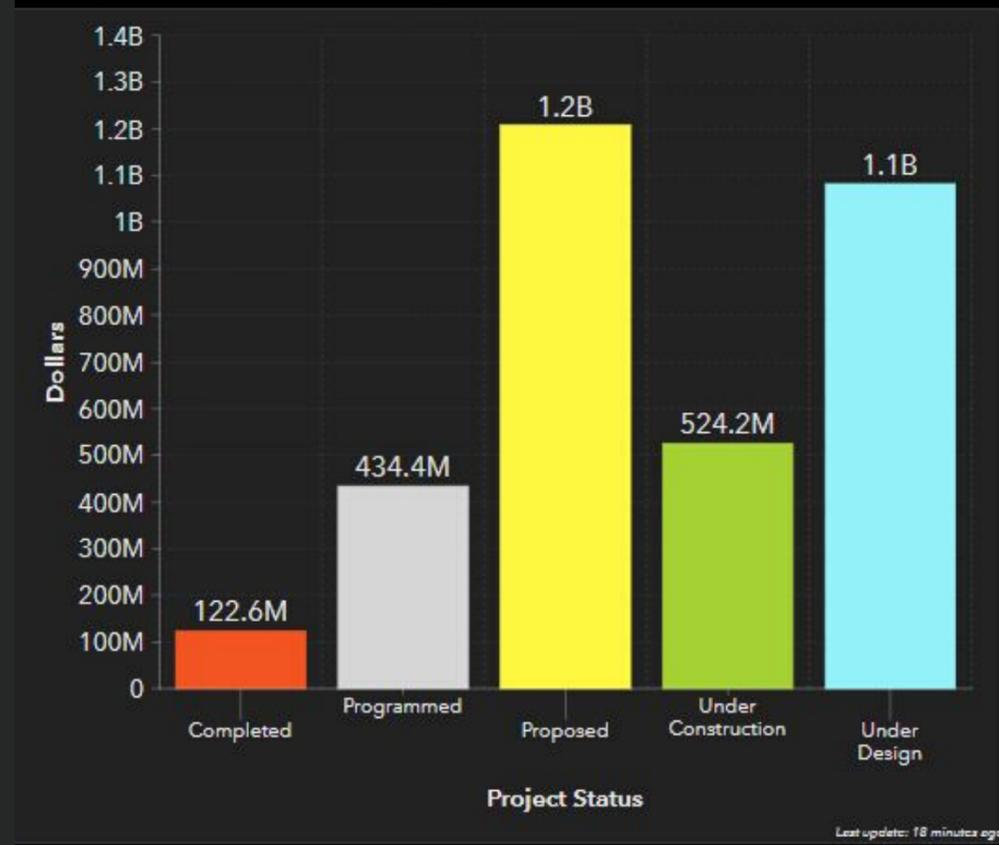
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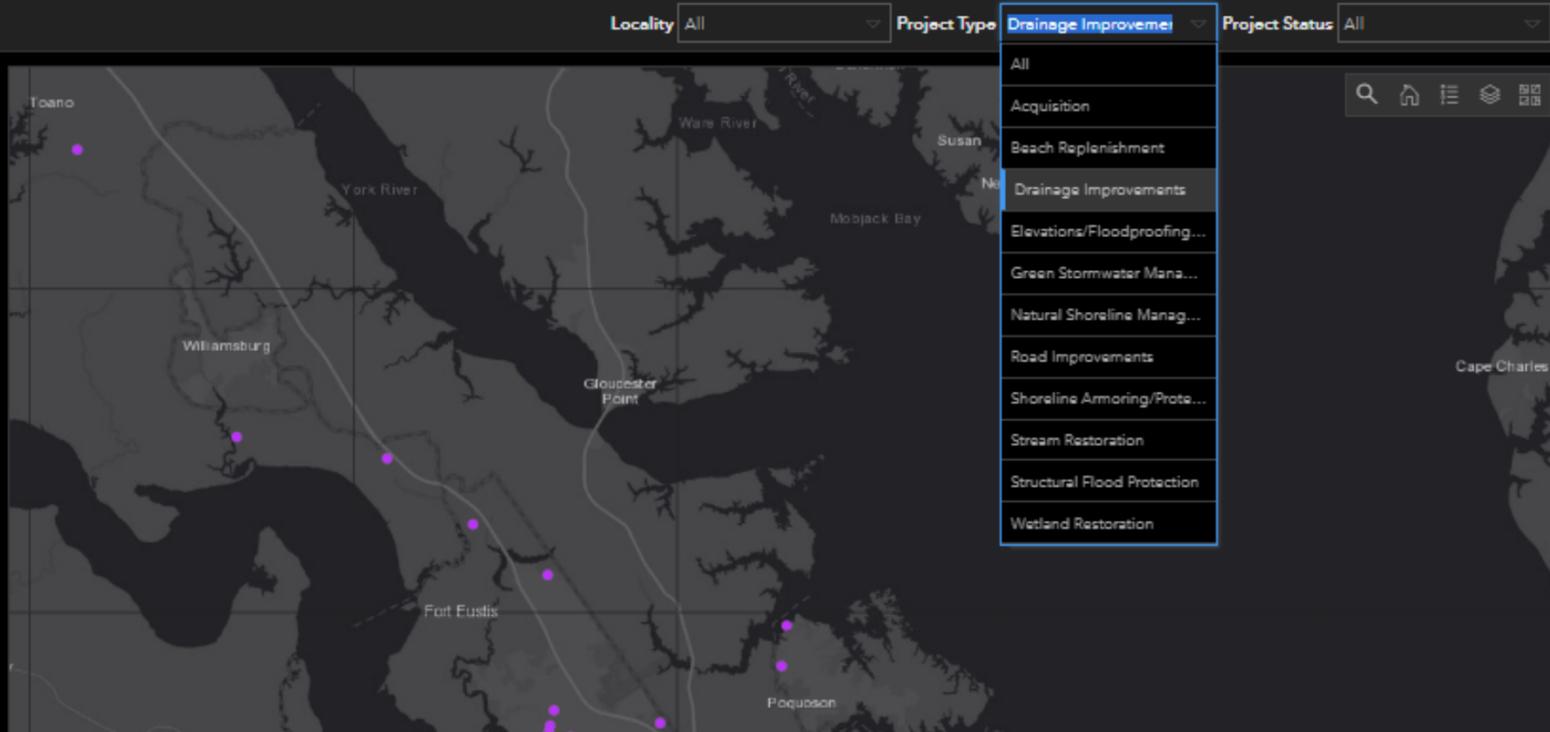
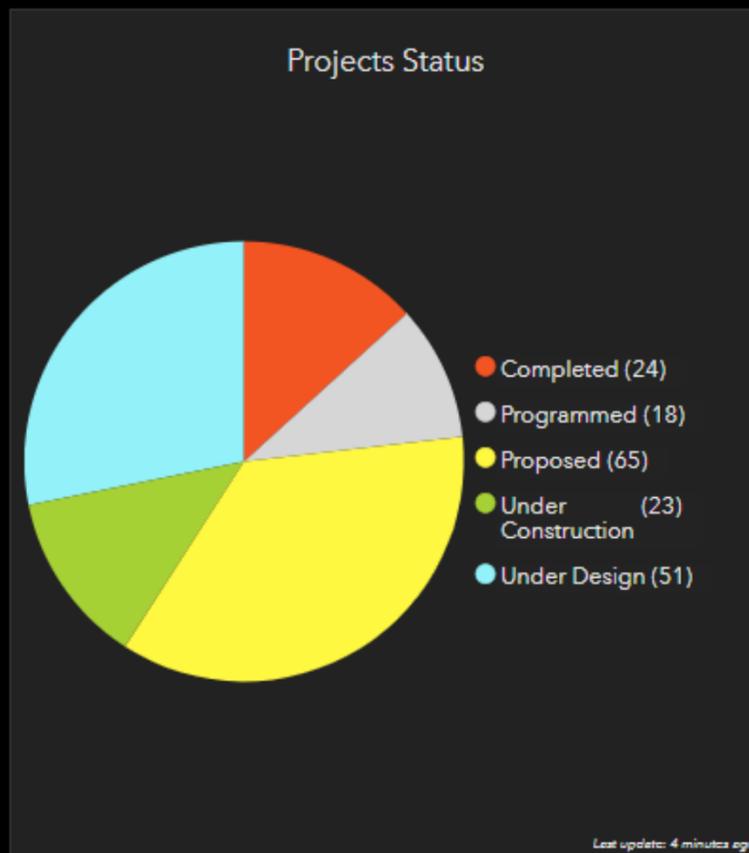
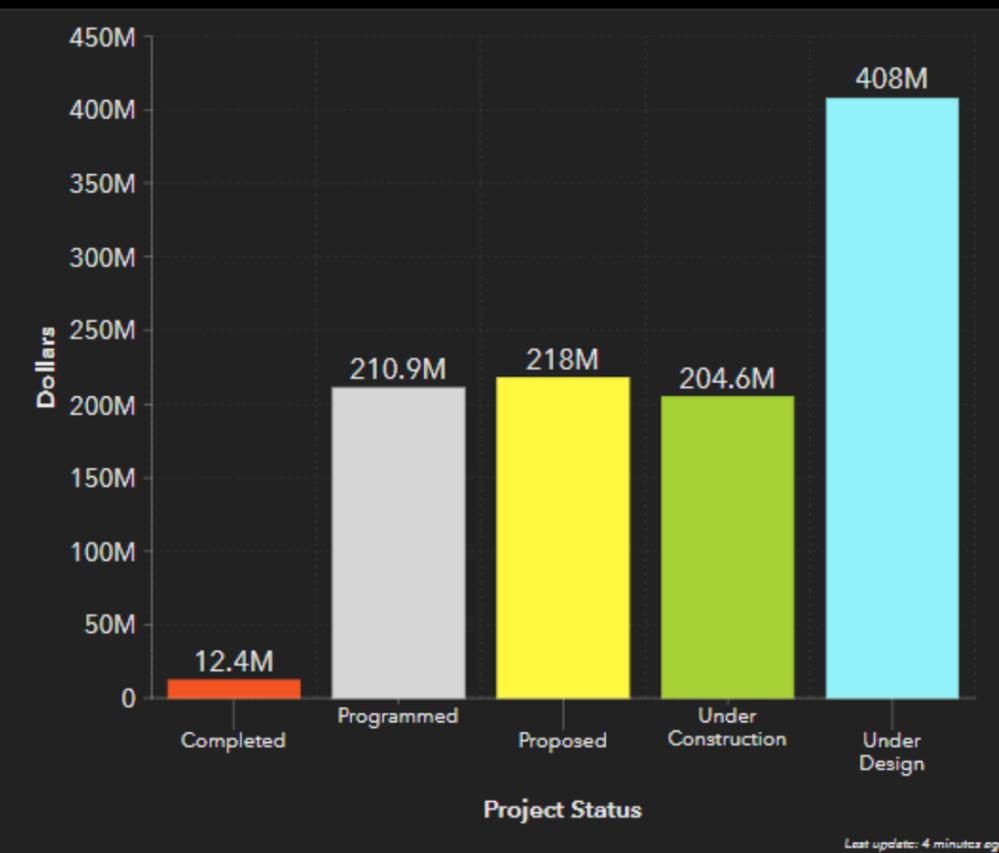
PROCESSING

Categorize projects and
create spatial data

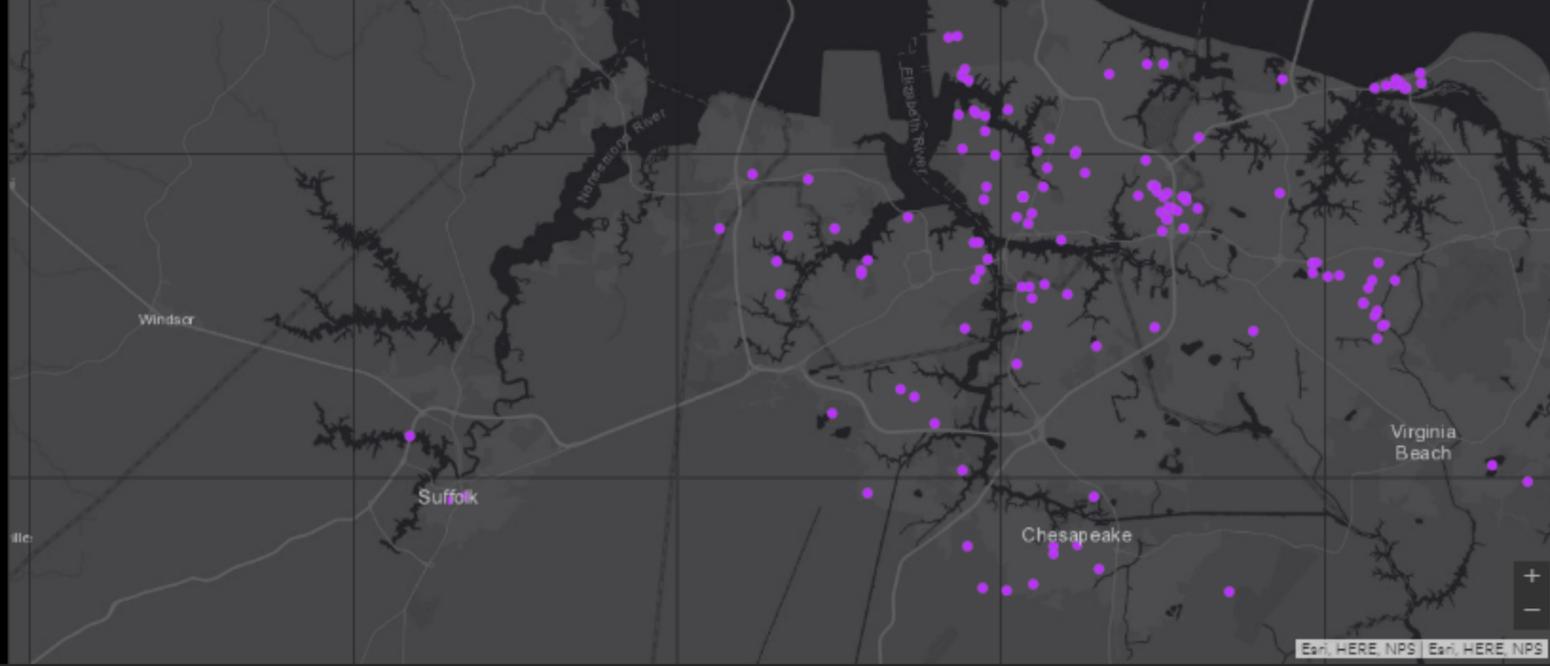
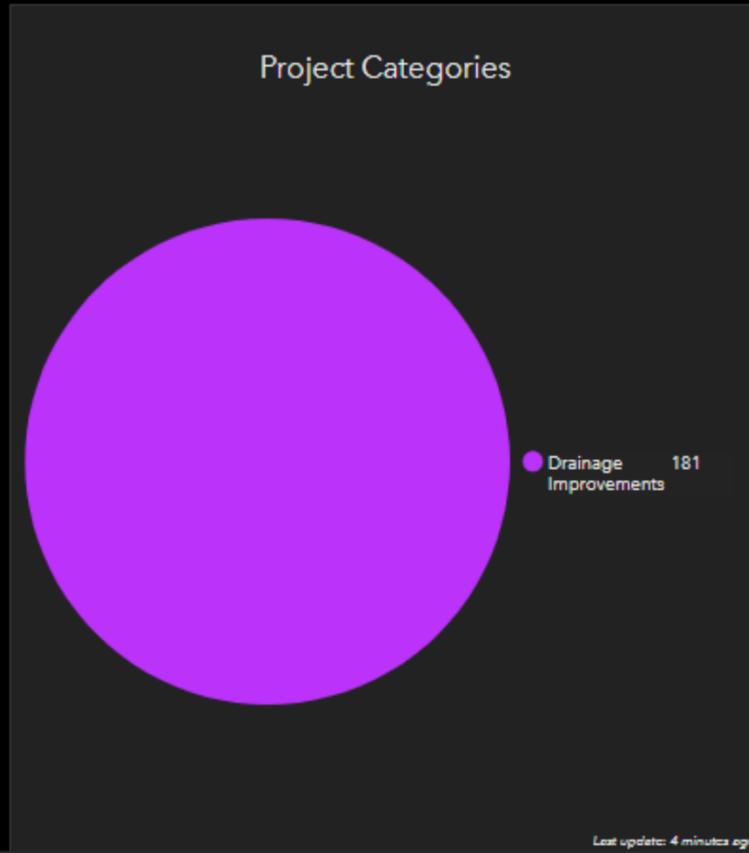
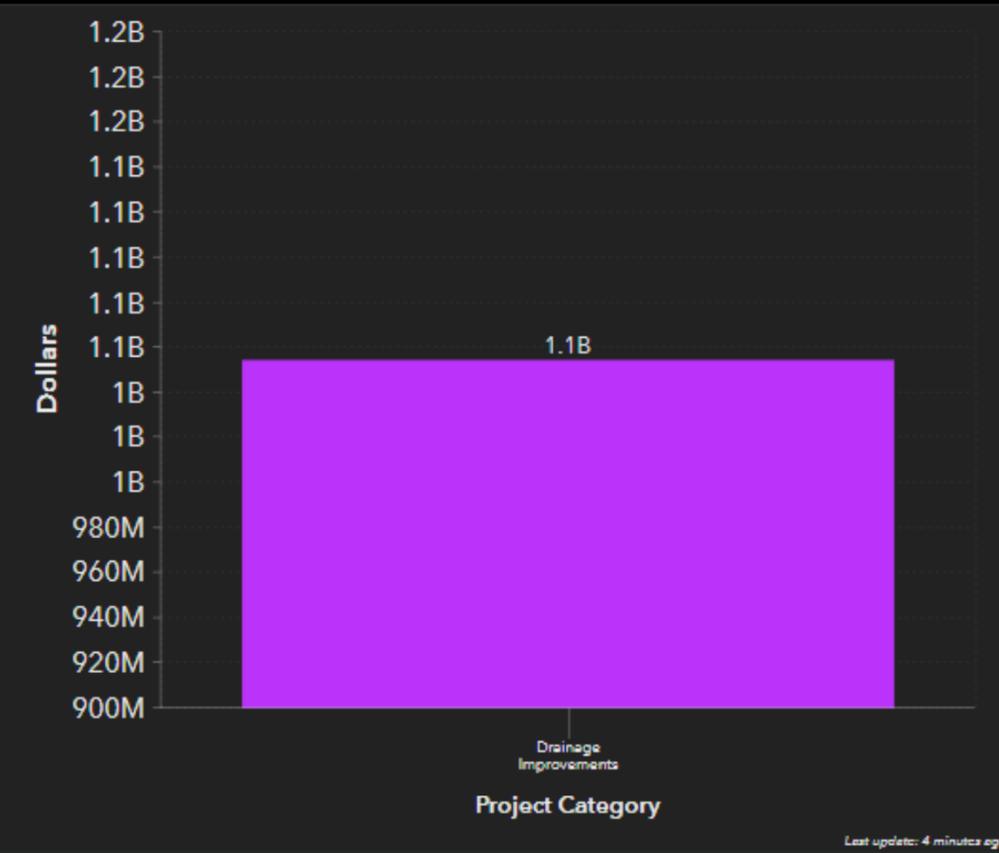
DELIVERY

Project dashboard and
local programs/policies
fact sheets





Sort by Locality, Project Type, and Project Status



City of Norfolk

Hampton Roads Resiliency Programs and Policies

Policy Fast Facts

Freeboard Standard: 3 feet above the base flood elevation for new construction or substantial improvement in the Special Flood Hazard Area. An additional 18 inches above grade is required for structures in the Shaded-X Zone (2014 Floodplain Ordinance)

2018 Zoning Code Update: Supports flood mitigation goals by establishing resilience overlays based on flood risk and a Resilience Quotient to guide new development.

2016 Comprehensive Plan Update: Environmental Sustainability (Chapter 6) includes a detailed review of coastal hazards and suggested mitigation actions.

2017 Hampton Roads Hazard Mitigation Plan: Actions related to flood-prone structures, infrastructure, and public outreach.



Program Spotlight

Norfolk Coastal Storm Risk Management Study

Multi-year, citywide analysis by the U.S. Army Corps of Engineers to identify and design flood risk management projects. The first construction feature, a berm and floodwall from Harbor Park to the existing downtown floodwall, is in Preconstruction Engineering and Design.

Ohio Creek Watershed Project

Includes nature-based and hardscape approaches to mitigate flooding and improve public access. Construction has begun with anticipated completion in Spring 2023. Grant funding provided by the Department of Housing and Urban Development.



By The Numbers

Community Rating System score of **7**

15% Discount on flood insurance premiums in the Special Flood Hazard Area

12,374 Flood insurance policies in force

Count as of June 30, 2019

Lessons Learned

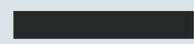
ADOPT A FLEXIBLE
FRAMEWORK

CONTACT MULTIPLE
DEPARTMENTS

DEVELOP A PLAN FOR KEEPING
DATA UP TO DATE

Contacts

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Dashboard available at hrgeo.org
under "Featured Web Apps"