

ALBANY COUNTY

CLIMATE RESILIENCY PLAN

Technical Advisory Committee // Meeting #3

May 10, 2022

MEETING OVERVIEW

01 Welcome

02 Project status

03 Risk assessment and key findings

04 Preliminary projects + discussion

05 Next steps

02

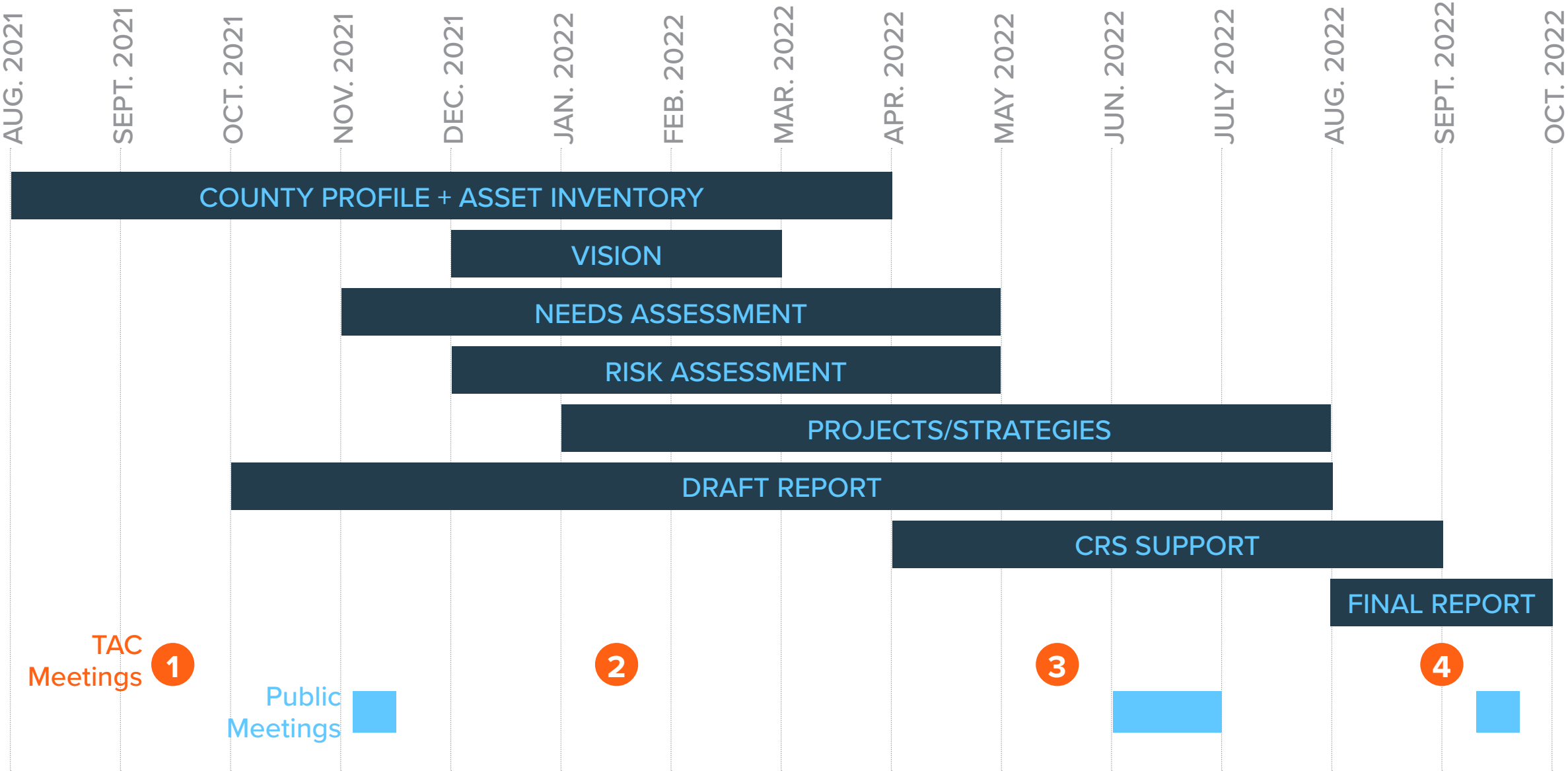
PROJECT STATUS

Project schedule

Public engagement

Relevant state and federal plans/laws

PROJECT SCHEDULE



PUBLIC ENGAGEMENT

Municipal Working Group

2nd meeting: February 15th, 2022

Project Webpage on County Website

albanycounty.com/climateresiliency

Tulip Fest

Information and interactive boards at the Sustainability Tent

Other suggested community events or meetings for sharing information about this climate resilience plan?

Think Big...

What project would you most like to see implemented to help the County adapt to climate change?

- way more ^{food} trees $\Rightarrow$ more resilience to storms/floods; public food source
- ALL solar energy
- ★ Pave a path from the d trail to the back of Hann to promote grocery shopping for Delmar, especially in mud. Shift daily tasks
- Better Sewer Infrastructure: ★
- Local Power Generation for neighborhoods or citywide
- Use solar, wind or tidal
 - And support installation of heat exchangers as well.
- Sustainable wastewater treatment and resources recovery Plant (recover hydrogen, methane, electricity, etc., from waste)
- Better bike infrastructure + electric bike share
- CREATE AN ENVIRONMENTAL EDUCATION CENTER ON THE HUDSON RIVER
 - PROVIDE OPPORTUNITIES FOR EDUCATIONAL FACILITIES & COMMUNITY SCIENCE PROJECTS ALONG THE RIVER
 - THIS WILL ENCOURAGE PEOPLE TO GO INTO STEM CAREERS
 - DEVELOP A LOVE & DESIRE TO PROTECT THE RIVER ECO
 - CONNECT CHILDREN TO LOCAL CLIMATE CHANGE ISSUES IN SCHOOL
 - THE COMMUNITY ORGANIZATION - EDUCATION IS KEY!
 - Cooling centers + 1 free air source heat pump per home for communities. Don't give air conditioners - they use too
 - Stop cutting Trees!!!

PUBLIC ENGAGEMENT

Stakeholder Meetings: Completed

County Departments

- Social Services
- Natural Resources / Agriculture
- Water Purification District
- Stormwater Coalition
- Department of Public Works
- Cornell Cooperative Extension
- Soil & Water Conservation District

Stormwater Infrastructure

- Guilderland
- Bethlehem
- Voorheesville
- Albany County Stormwater Coalition



RELATED PROJECTS + INITIATIVES

COUNTY:

Proposed legislation opting Albany County into the State's Green Building Tax Exemption

Electrification of County's fleet

E/V charging stations at six new locations

Launching greenhouse gas inventory of all county buildings and operations

STATE:

Environmental Bond Act funding (\$4.2B)



03

RISK ASSESSMENT + KEY FINDINGS

Overview

Data sources and methods

Key findings

OVERVIEW

GOAL:

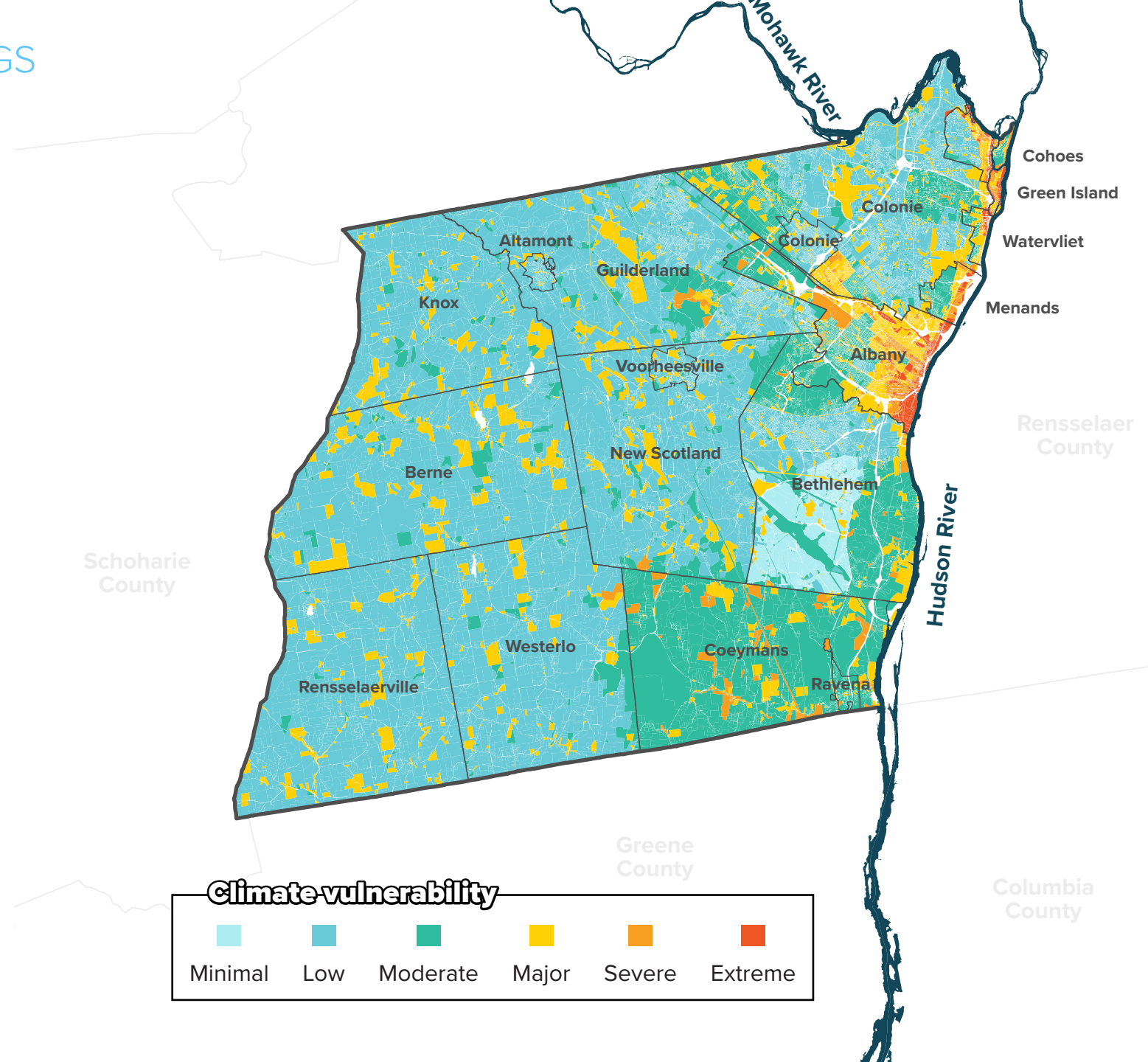
To identify areas and assets at high risk to the impacts of climate change

DETERMINING CLIMATE RISK:

Consider flood, heat, and social vulnerability to create a composite climate risk score

SCALE:

Parcel



DATA SOURCES

SOURCE

Flood Risk:

First Street Foundation

Heat Vulnerability:

NYS DOH Heat Vulnerability Index

Social Vulnerability:

Draft Disadvantaged Communities (DAC)

NYS DEC Potential Environmental Justice Areas (PEJA)

CDC Social Vulnerability Index (SVI)

SCALE

- Parcel
- Inundation Grid (3m)

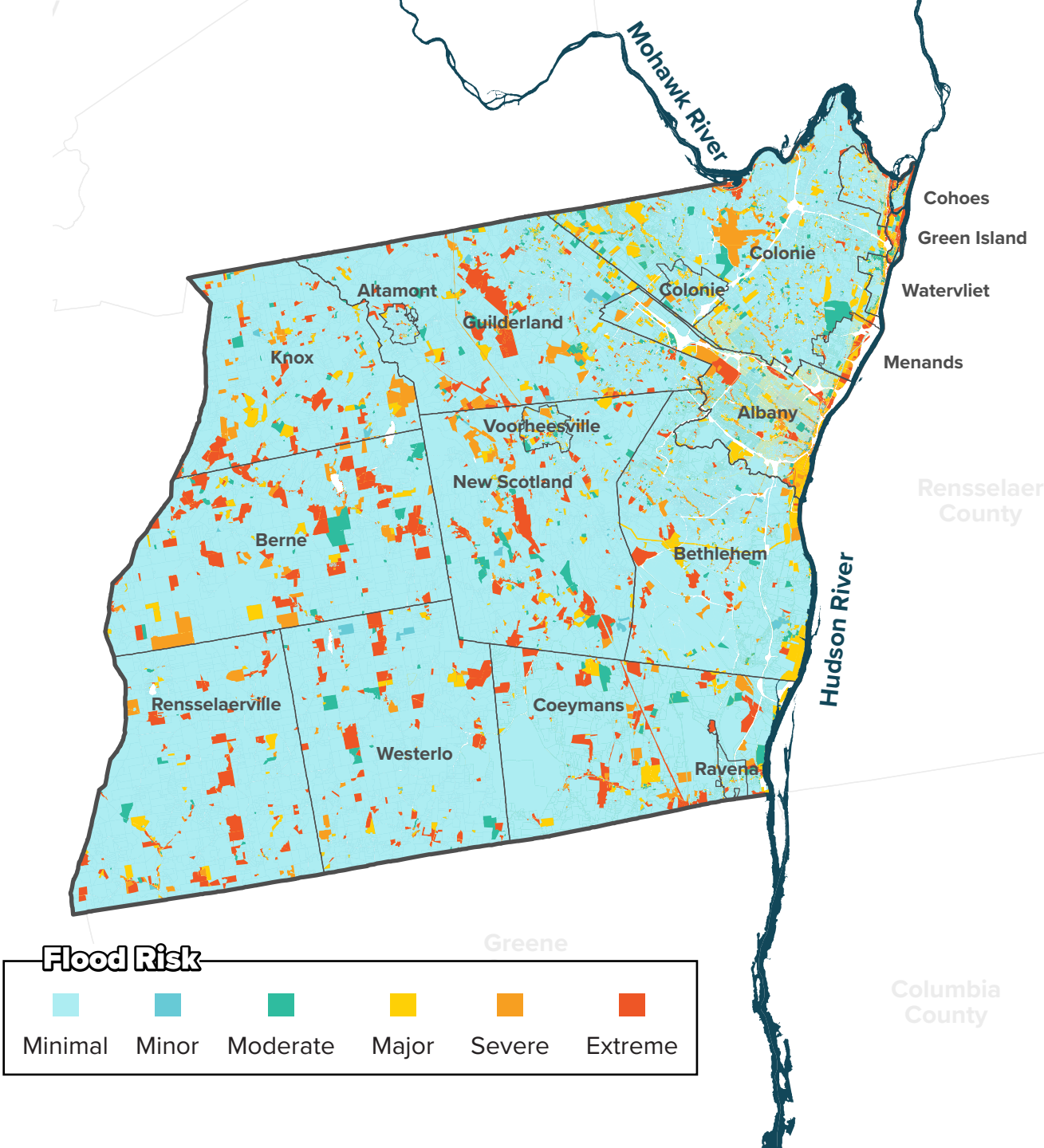
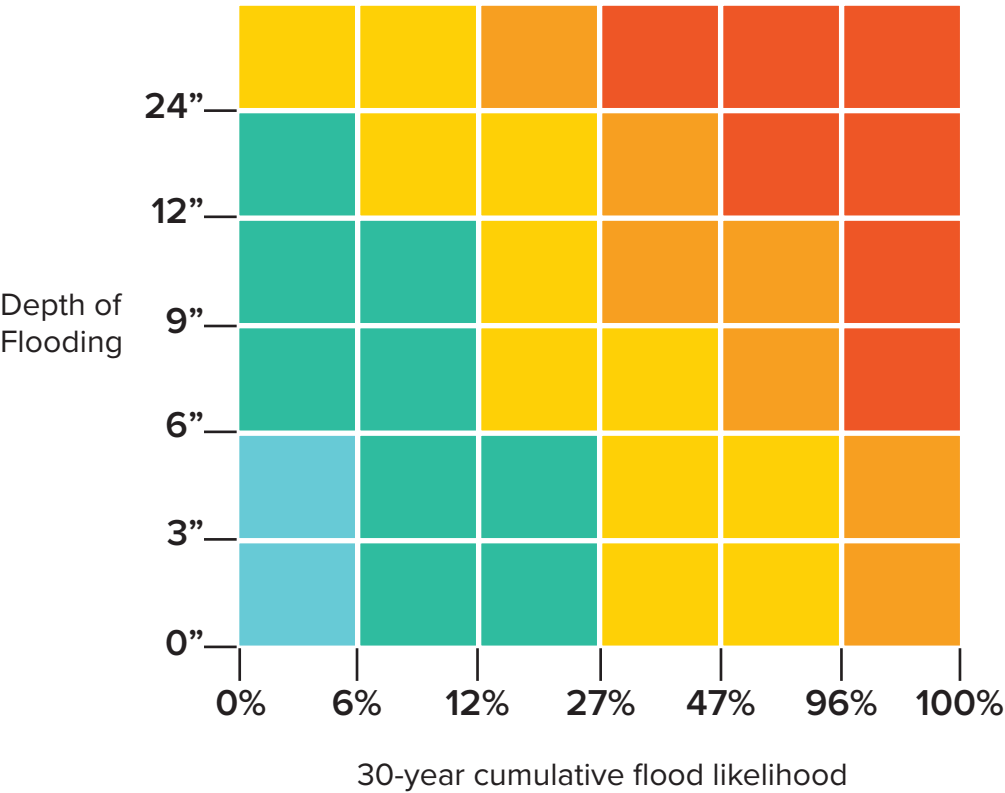
Census Tract

Census Tract

Census Block Group

Census Tract

FLOOD RISK

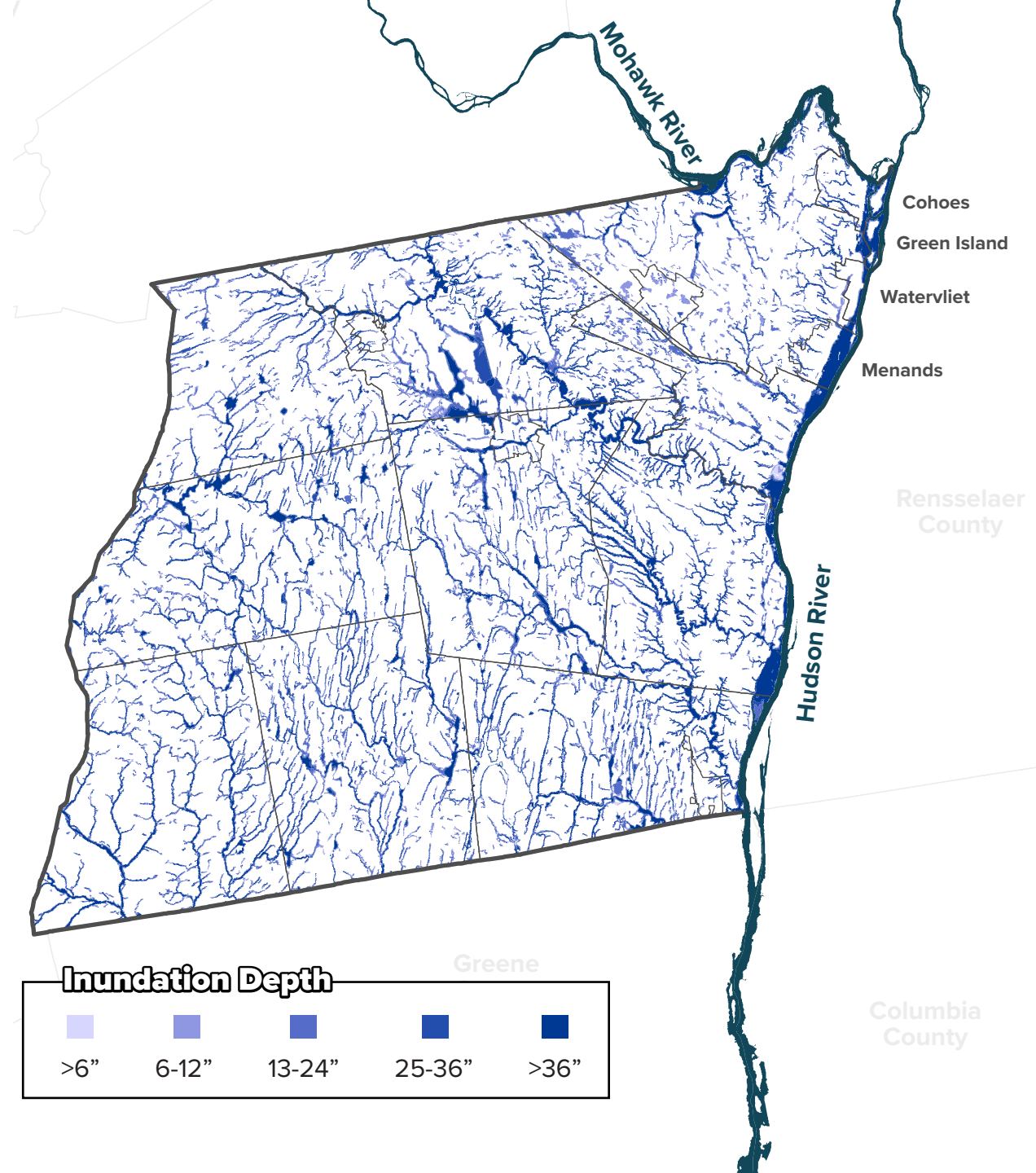


FLOOD RISK

Flood Inundation Depth

To approximate flood risk for assets spanning multiple parcels and/or in public right-of-way

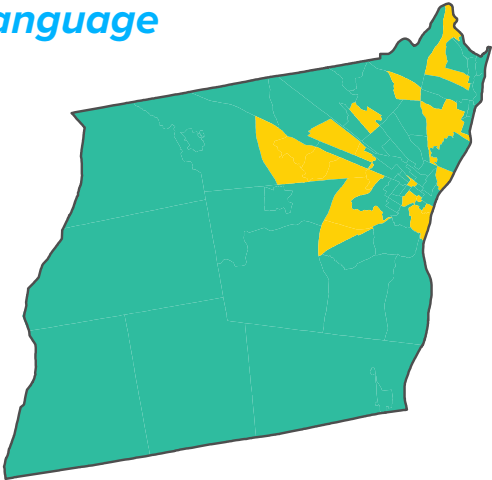
- 2050 projection
- 1 in 100 year flood



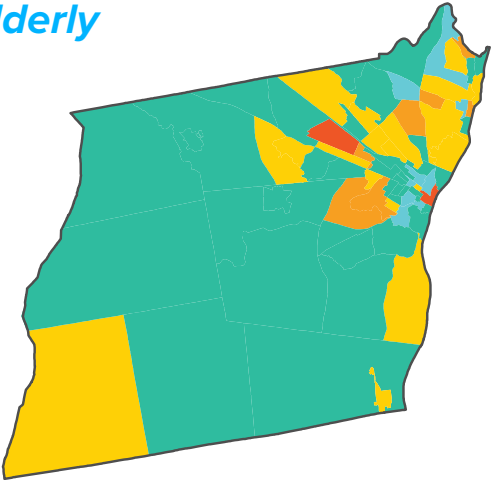
03 RISK ASSESSMENT + KEY FINDINGS

HEAT VULNERABILITY

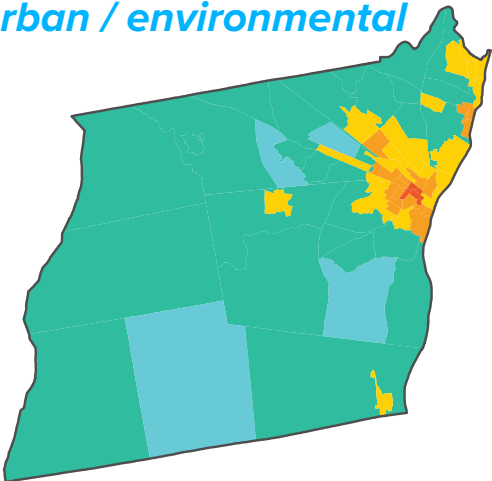
language



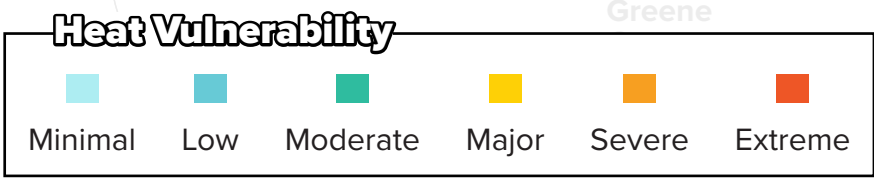
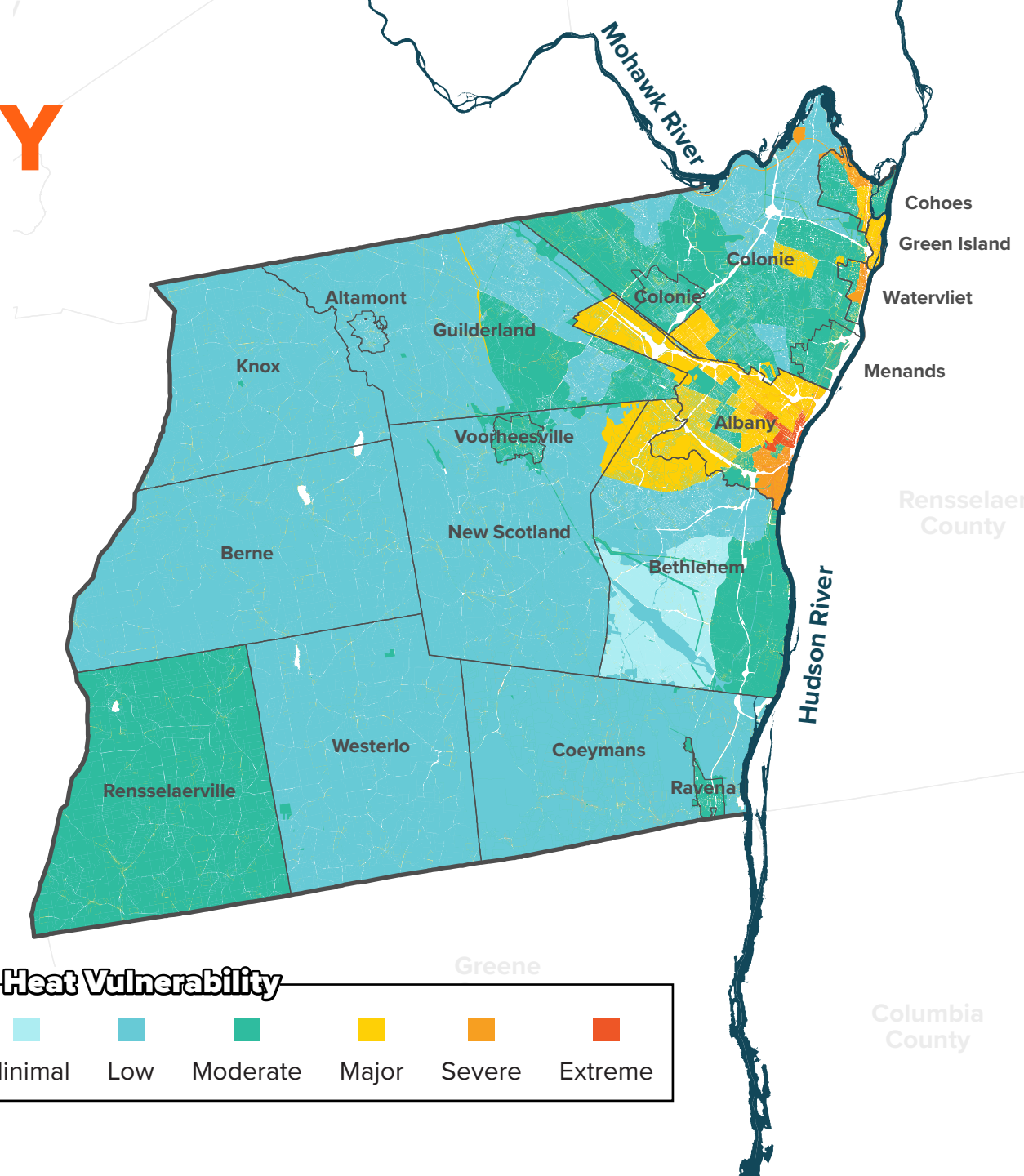
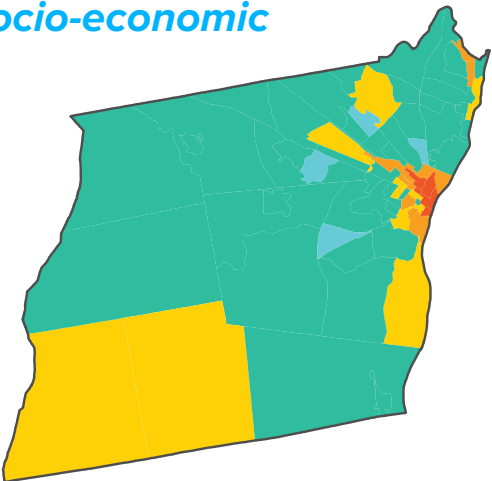
elderly



urban / environmental

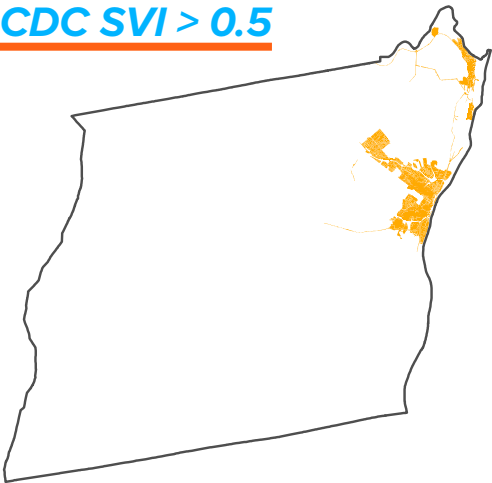


socio-economic

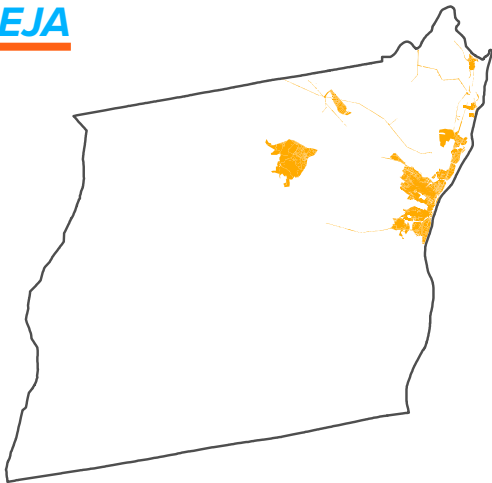


SOCIAL VULNERABILITY

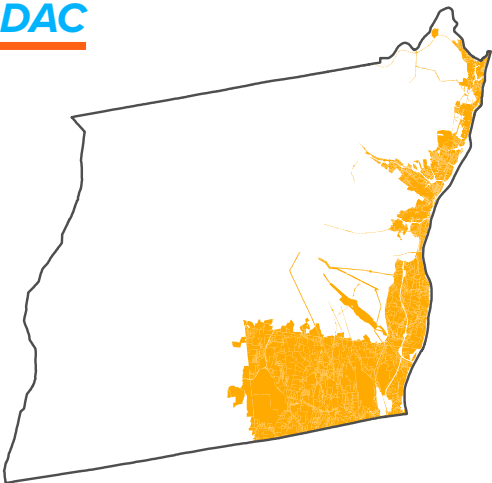
CDC SVI > 0.5



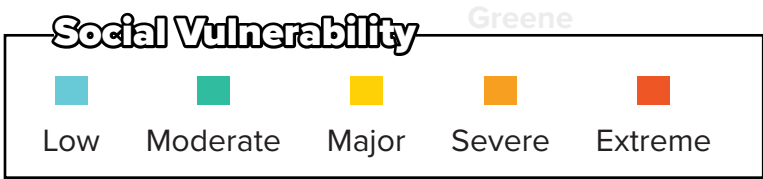
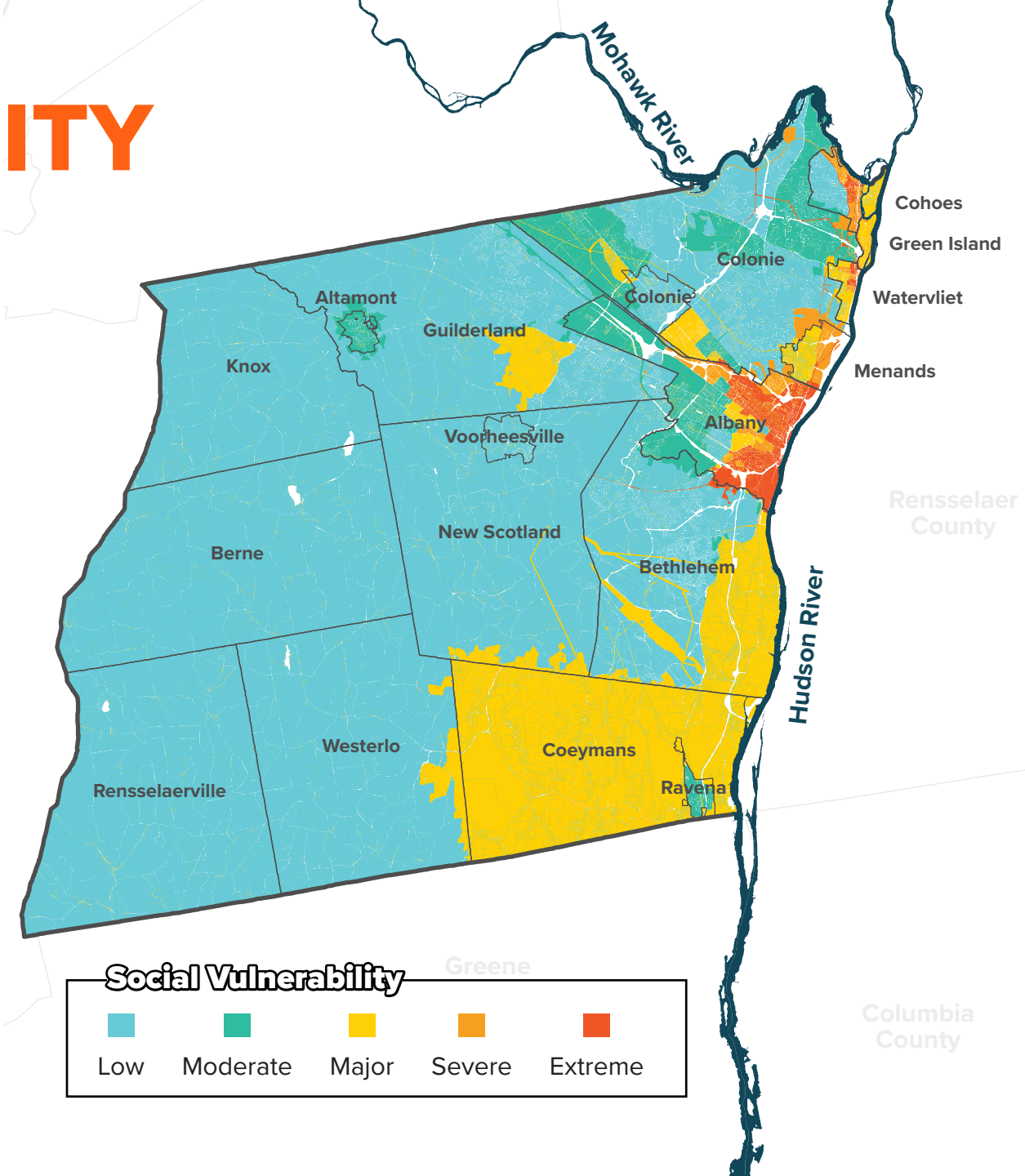
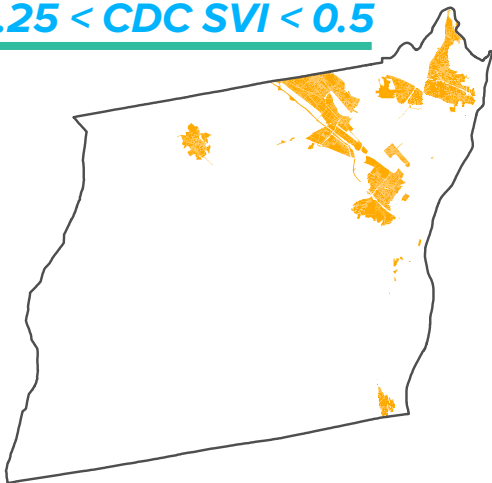
PEJA



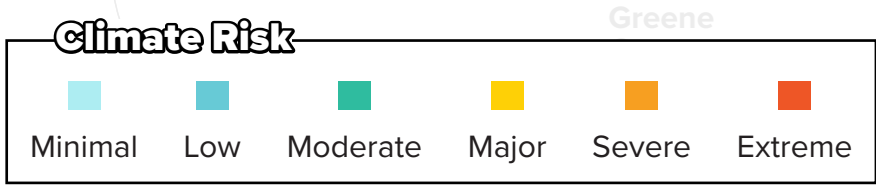
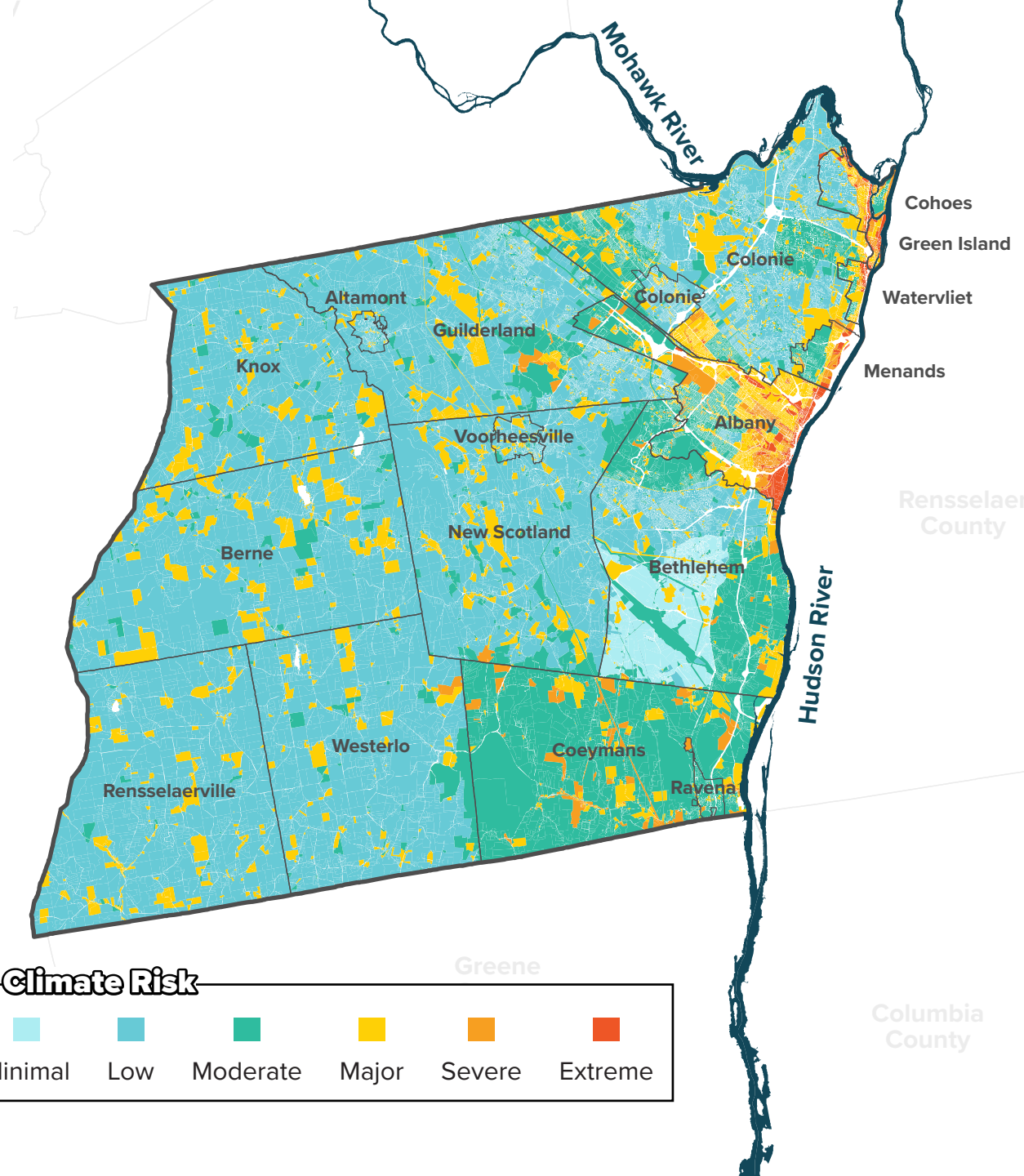
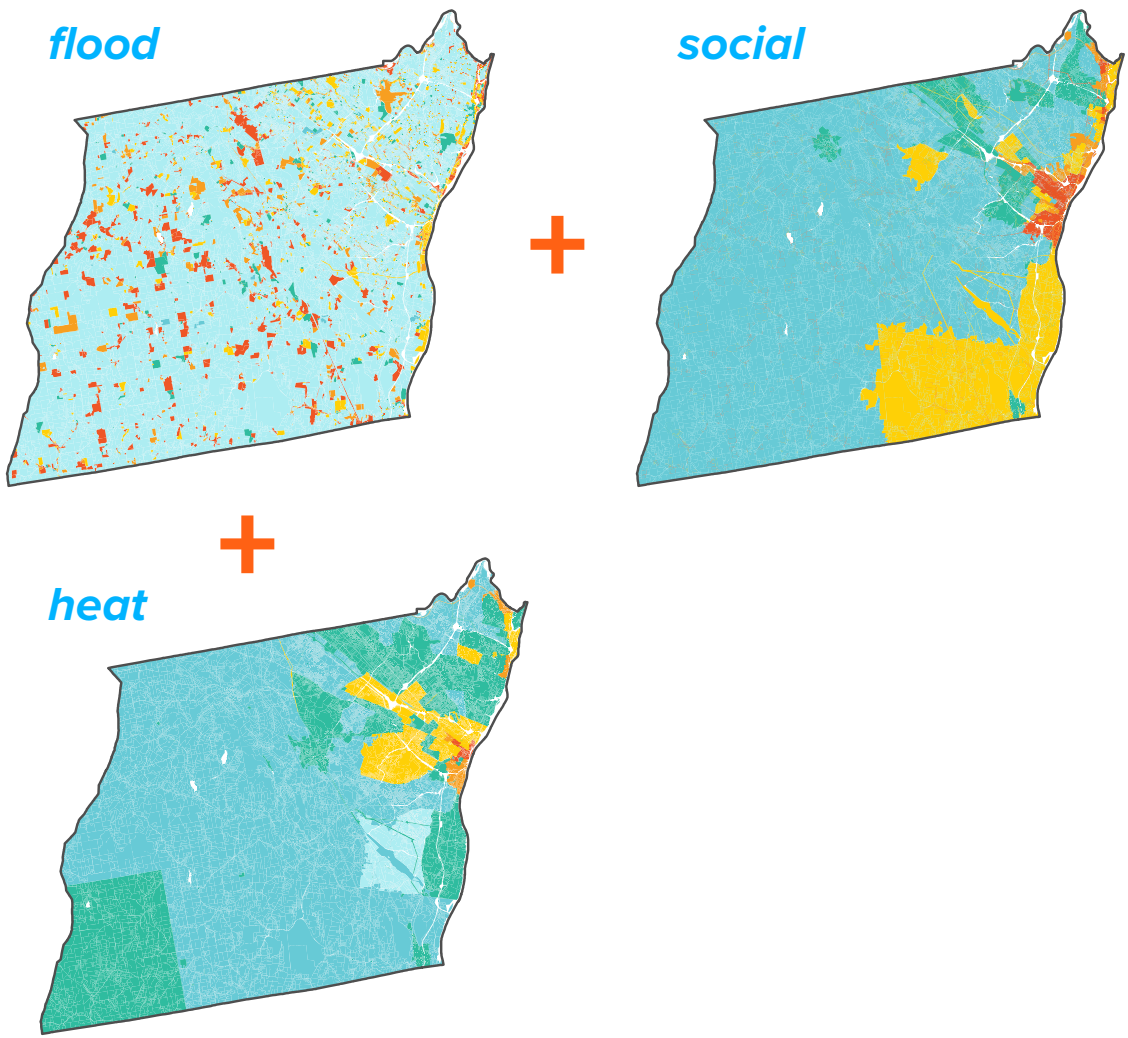
DAC



0.25 < CDC SVI < 0.5

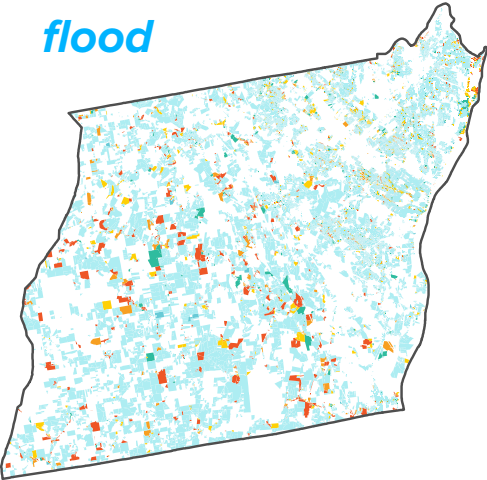


CLIMATE RISK

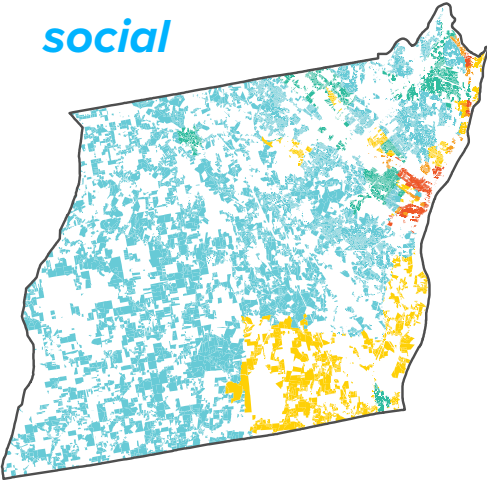


HOUSING

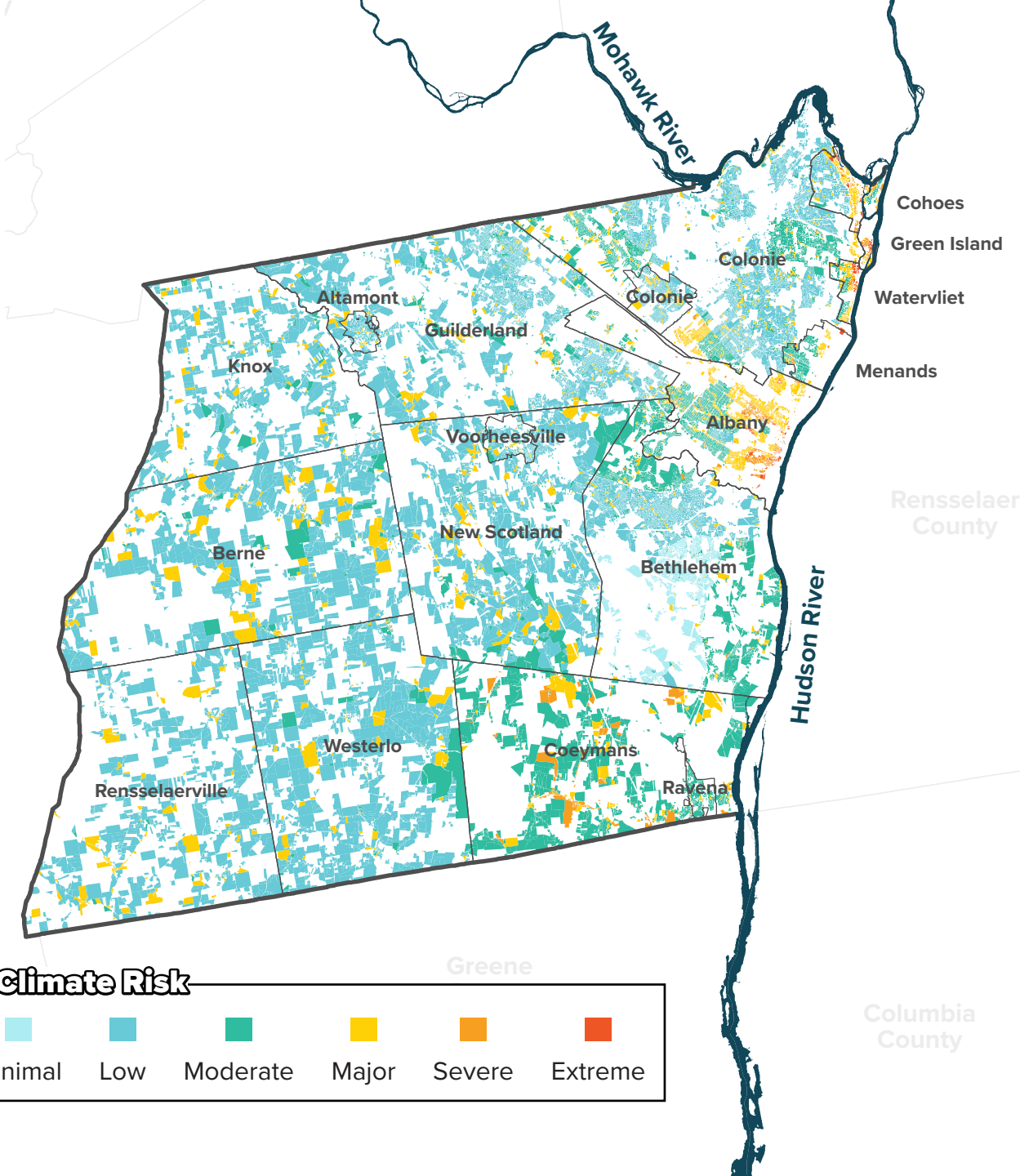
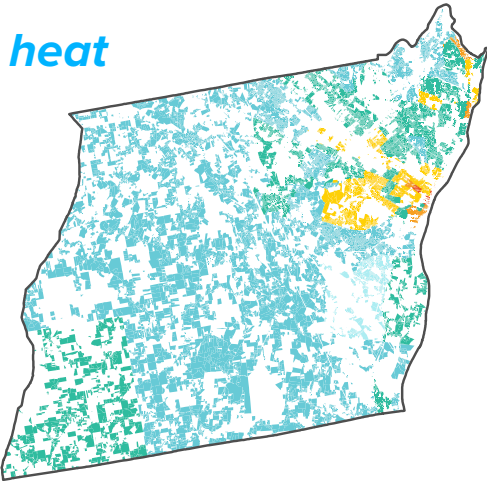
flood



social



heat



03 RISK ASSESSMENT + KEY FINDINGS

HOUSING (total parcels = 92,470)

	Flood Risk	Heat Vulnerability	Social Vulnerability	Climate Vulnerability
Extreme	2% of all parcels	1% of all parcels	10% of all parcels	1% of all parcels
Severe	2% of all parcels	5% of all parcels	4% of all parcels	5% of all parcels
Major	5% of all parcels	22% of all parcels	10% of all parcels	20% of all parcels

HEALTH + SOCIAL SERVICES

Critical Facilities at Extreme Flood Risk

Village of Green Island

- Heatly School

Town of Guilderland

- Guilderland High School
- Guilderland Center Fire District

Town of New Scotland

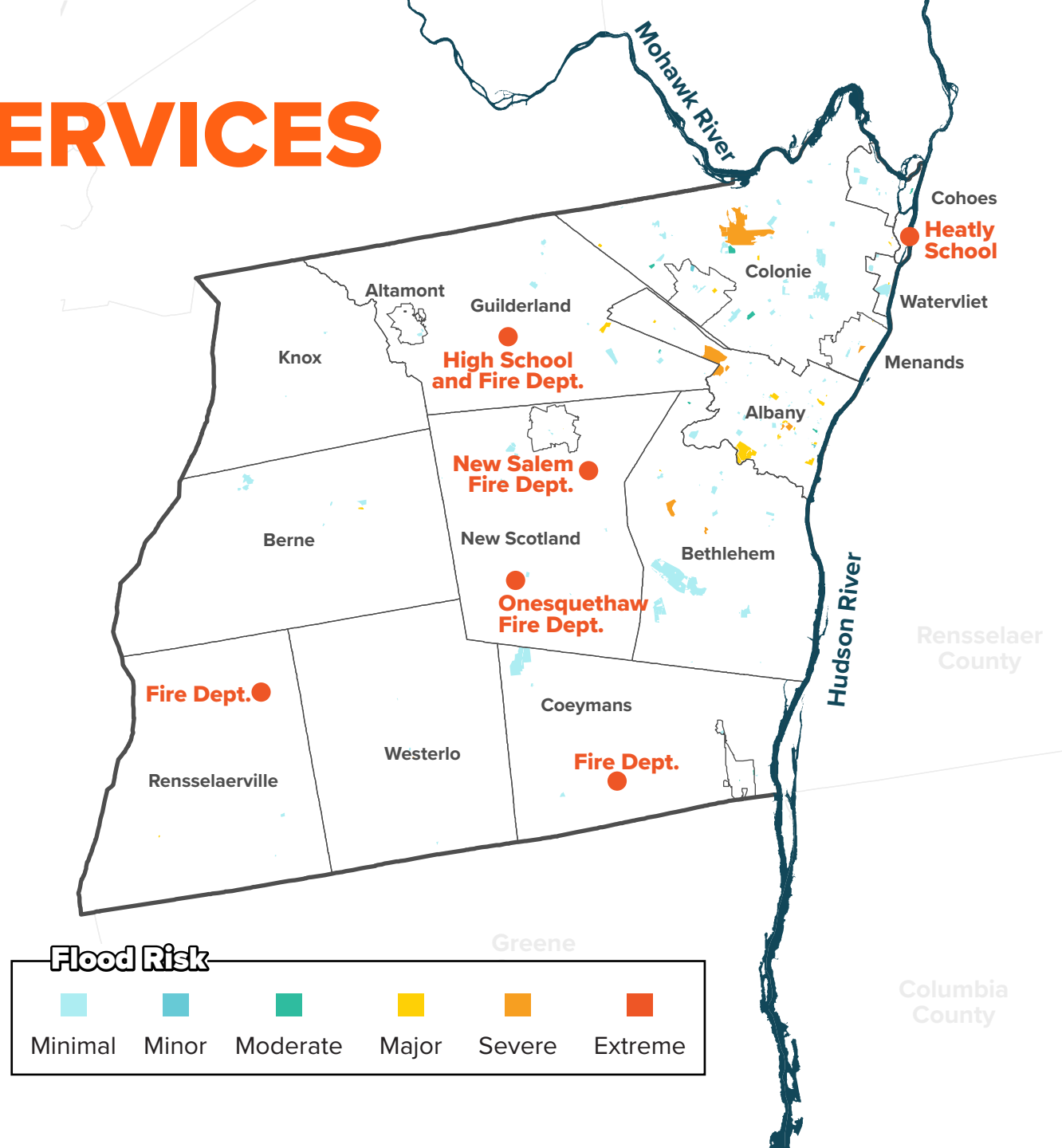
- New Salem Volunteer Fire Dept. Station 2
- Onesquethaw Volunteer Fire Company Station 1

Town of Coeymans

- Coeymans Hollow Volunteer Fire Dept.

Town of Rensselaerville

- Rensselaerville Fire Dept.



HEALTH + SOCIAL SERVICES

Critical Facilities at Severe Flood Risk

Village of Menands

- Mohawk Hudson Humane Society

Albany County (in Town of Colonie)

- County Jail
- Juvenile Detention Center

City of Cohoes

- Cohoes Fire Dept. Island Station

City of Albany

- SUNY Albany
- Albany Law School
- VA Medical Center

Town of Guilderland

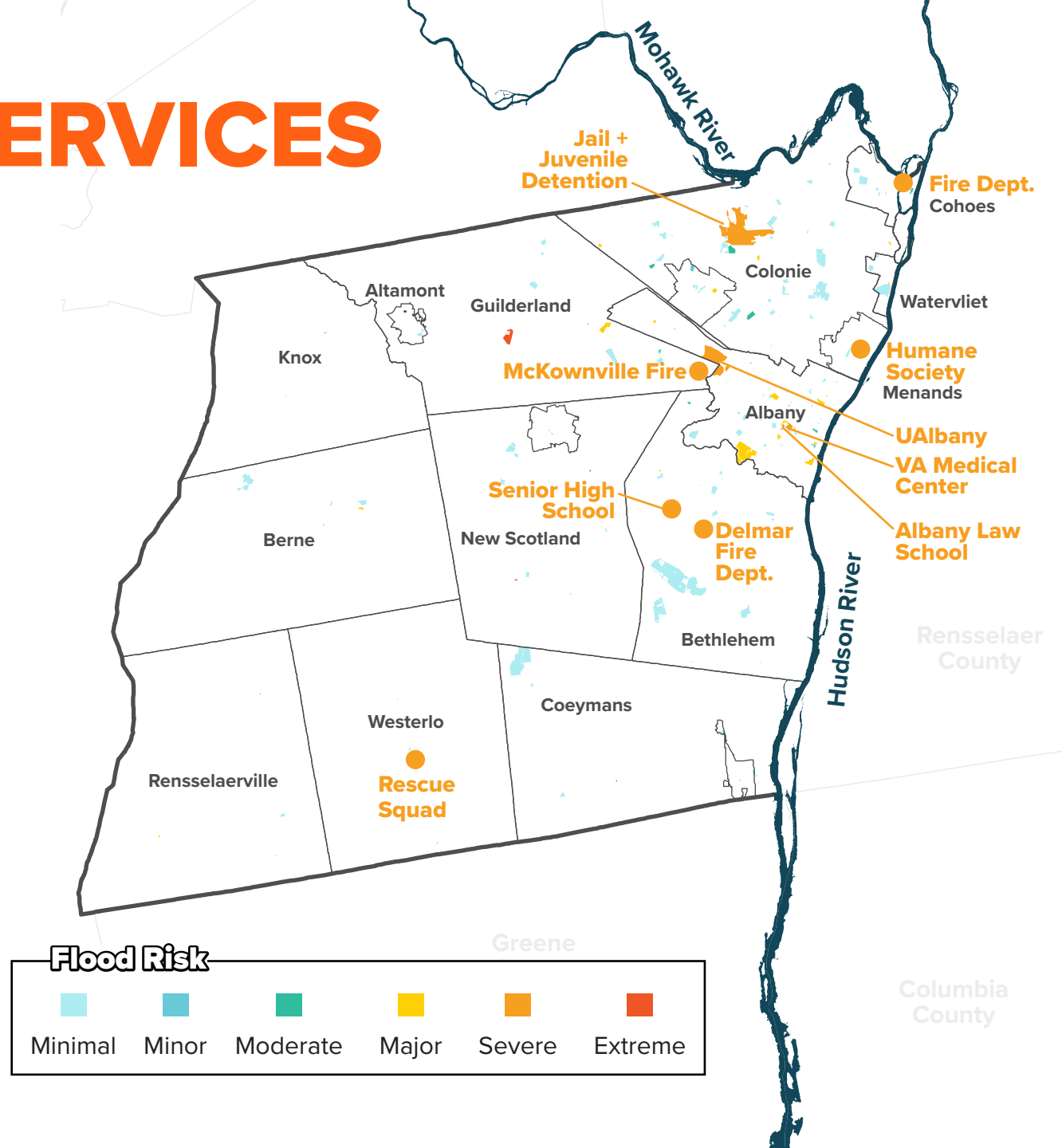
- McKownville Fire District

Town of Bethlehem

- Bethlehem Central Senior High School
- Delmar Fire Dept. Station 2

Town of Westerlo

- Westerlo Rescue Squad

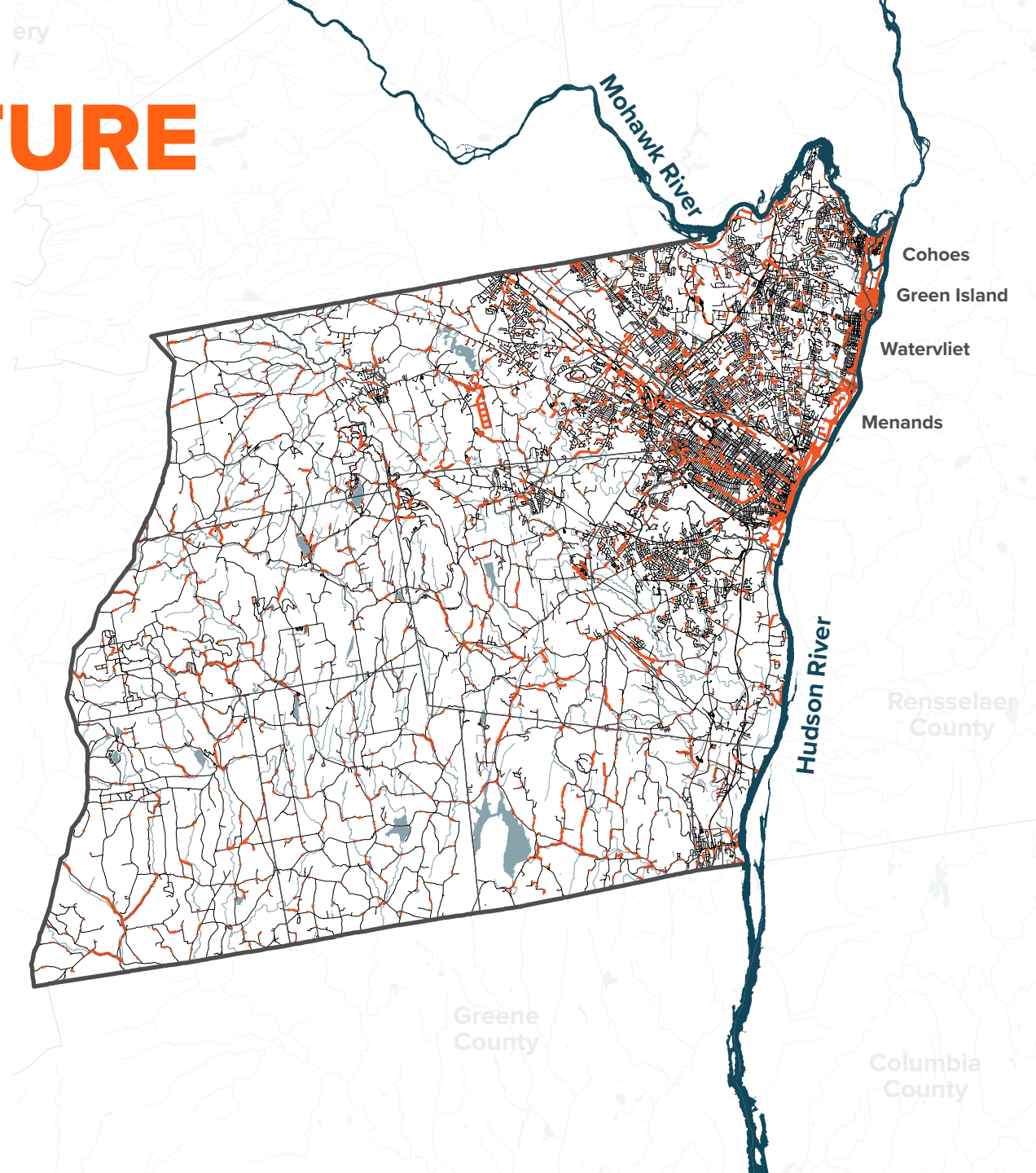


ROAD INFRASTRUCTURE

All Roads

Local, county, and state (total miles = 2,800)

14% intersect with inundation caused by
a 100-year flood in 2050



ROAD INFRASTRUCTURE

County roads

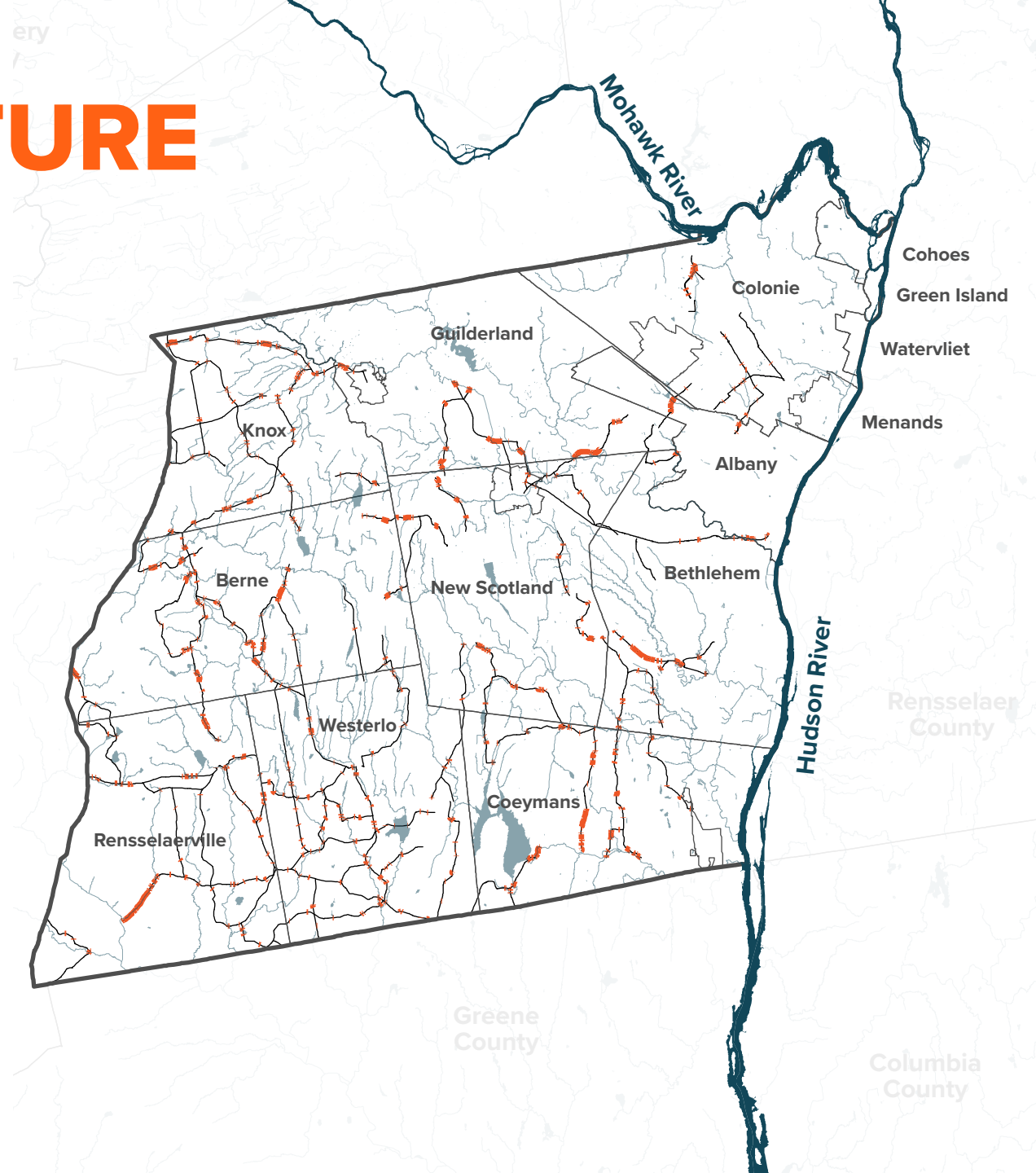
(total miles = 290)

12% intersect with inundation caused by a 100-year flood in 2050

Fox Creek Road, Town of Rensselaerville
2 miles

Blodgett Hill Road, Town of Coeymans
1.5 miles

Creble Road, Town of Bethlehem
1.5 miles



BUS INFRASTRUCTURE

CDTA Bus Routes

(total miles = 5,430)

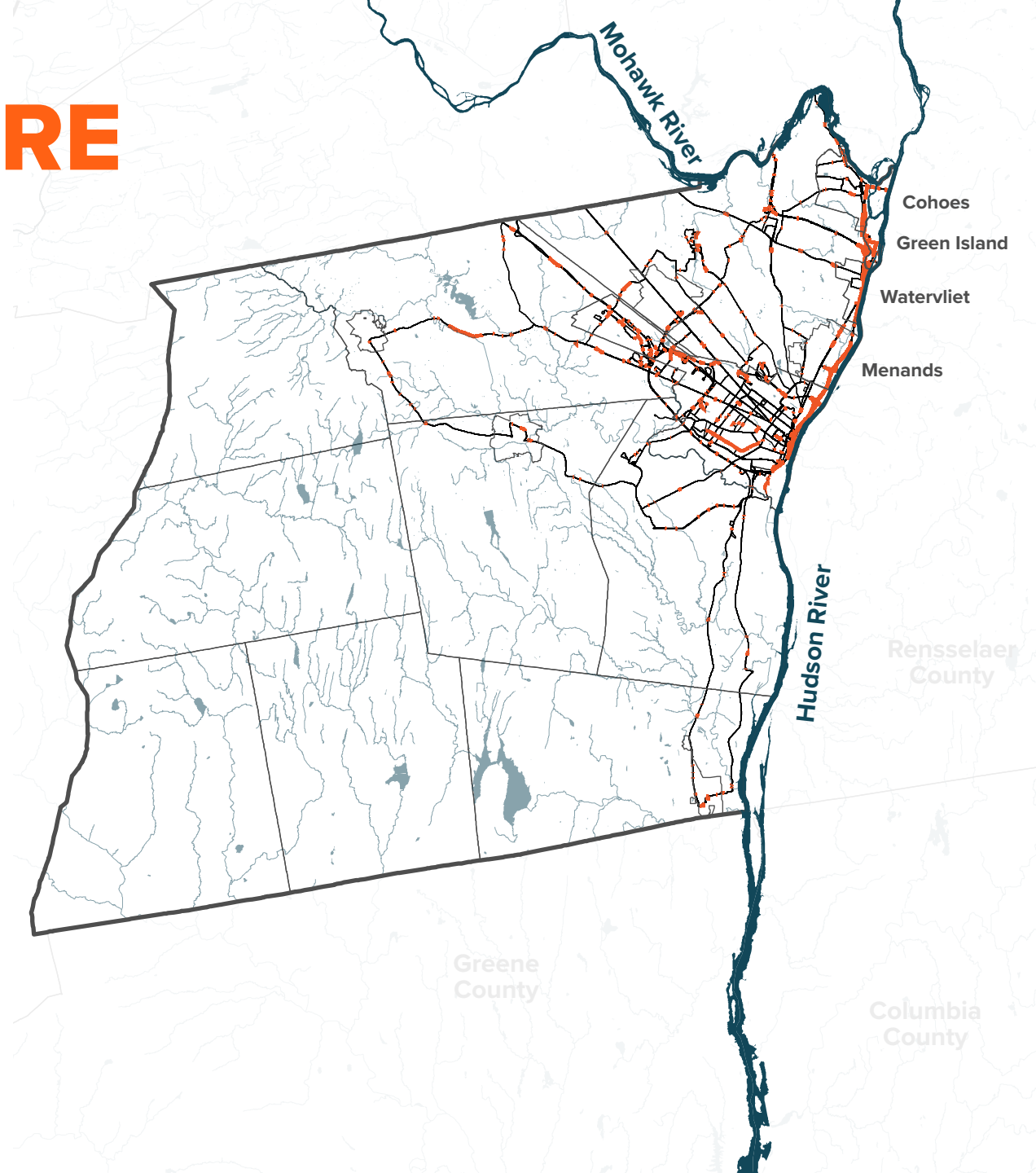
32% intersect with inundation caused by a 100-year flood in 2050

Hackett Boulevard, Albany:
Routes 734, 805, and 806

Saratoga Street, Cohoes:
Route 182

George Street, Green Island:
Routes 182 and 809

State Route 146, Guilderland:
Route 719



ROAD INFRASTRUCTURE

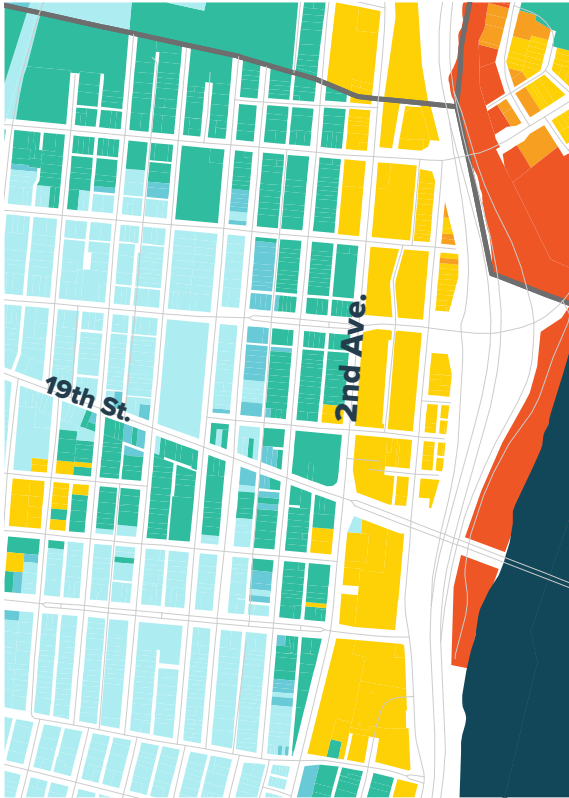
Corridors of High Flood Risk and High Social Vulnerability



Sheridan Ave.
City of Albany



South End
City of Albany



2nd Ave.
City of Watervliet



N. Mohawk St.
City of Cohoes

WATER INFRASTRUCTURE

Drinking Water Supply

Extreme Flood Risk (score = 5)

- Watervliet Reservoir
- Vly Creek Reservoir

Major Flood Risk (score = 3)

- Bethlehem Drinking Water Wells

Water and Wastewater Treatment

Extreme Flood Risk (score = 5)

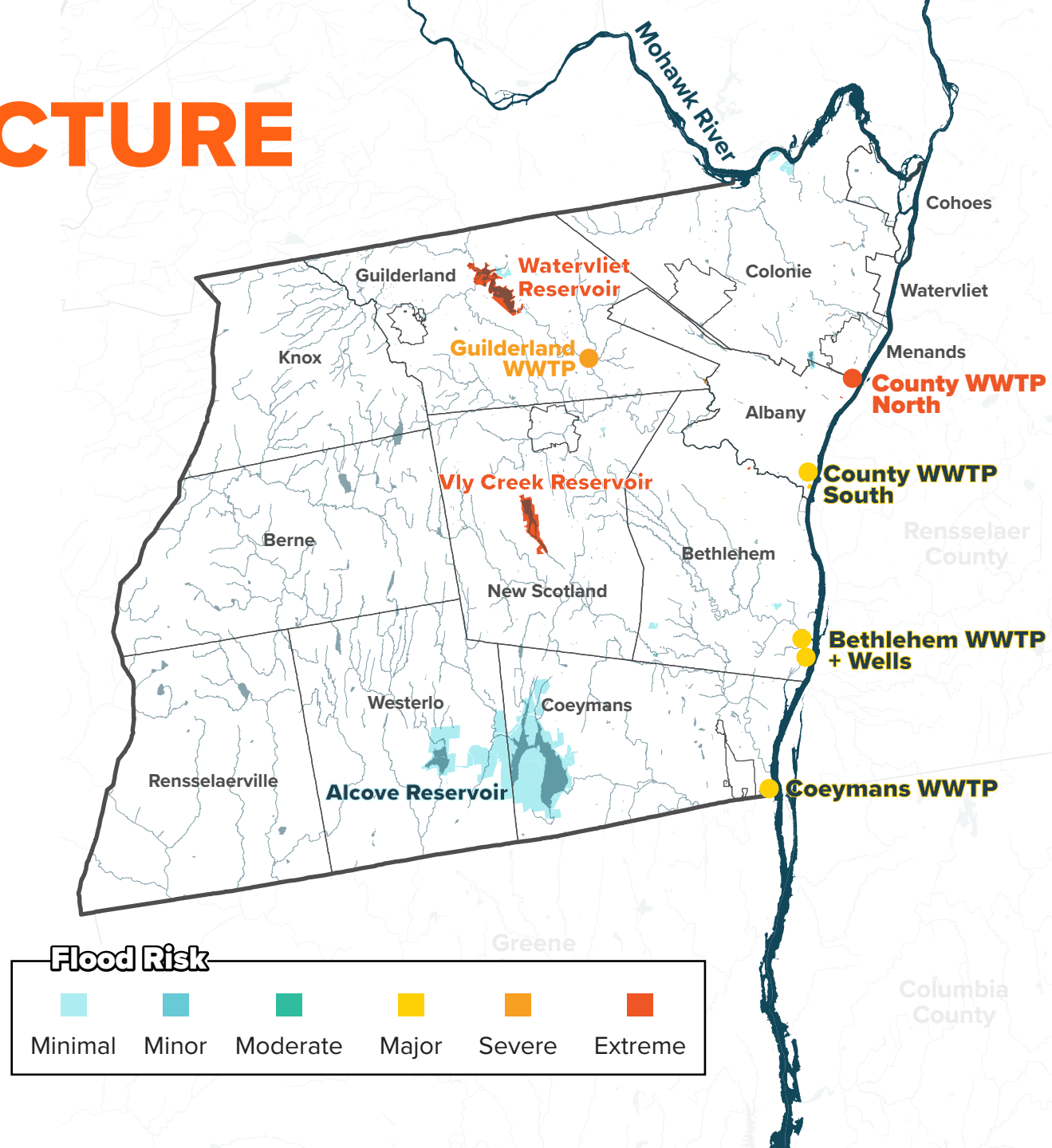
- Albany Water Purification District North Plant

Severe Flood Risk (score = 4)

- Guilderland Wastewater Treatment Plant

Major Flood Risk (score = 3)

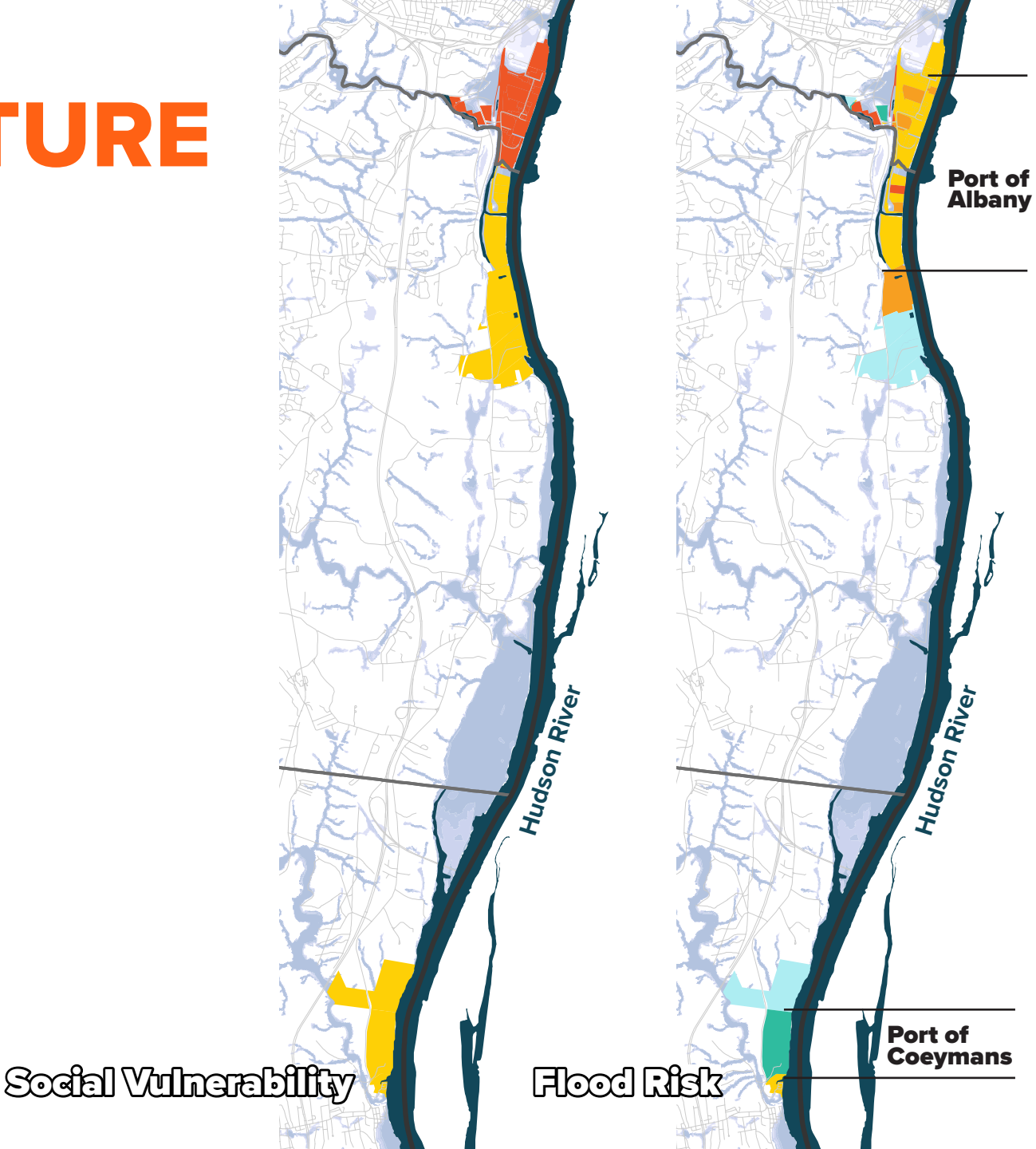
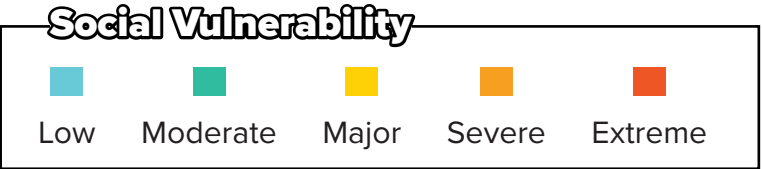
- Albany Water Purification District South Plant
- Bethlehem Wastewater Treatment Plant
- Coeymans Sewer Plant



03 RISK ASSESSMENT + KEY FINDINGS

PORT INFRASTRUCTURE

Both ports are located in socially vulnerable communities, and the Port of Albany has high flood risk.



NATURAL + CULTURAL ASSETS

Historic + Cultural Resources

National Register Historic Places (n=224)

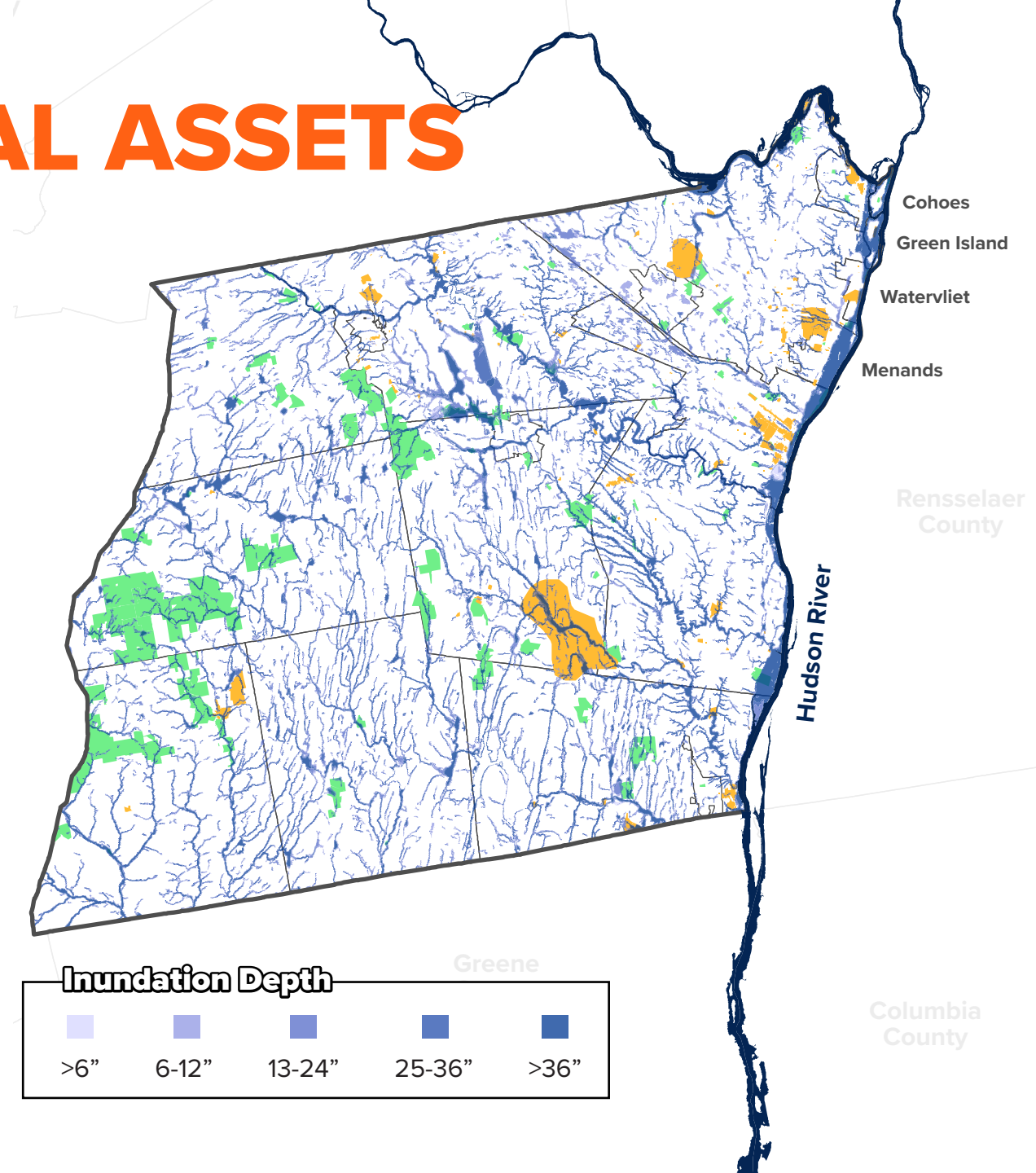
40% intersect with inundation caused by a 100-year flood in 2050

Parks + Preserves

Municipal, state, and non-profit (n=83)

86% intersect with inundation caused by a 100-year flood in 2050

*includes two County-owned parks:
Lawson Lake and Ann Lee Pond*



PUBLIC LANDS FLOOD RISK

County-Owned Land at Extreme Flood Risk

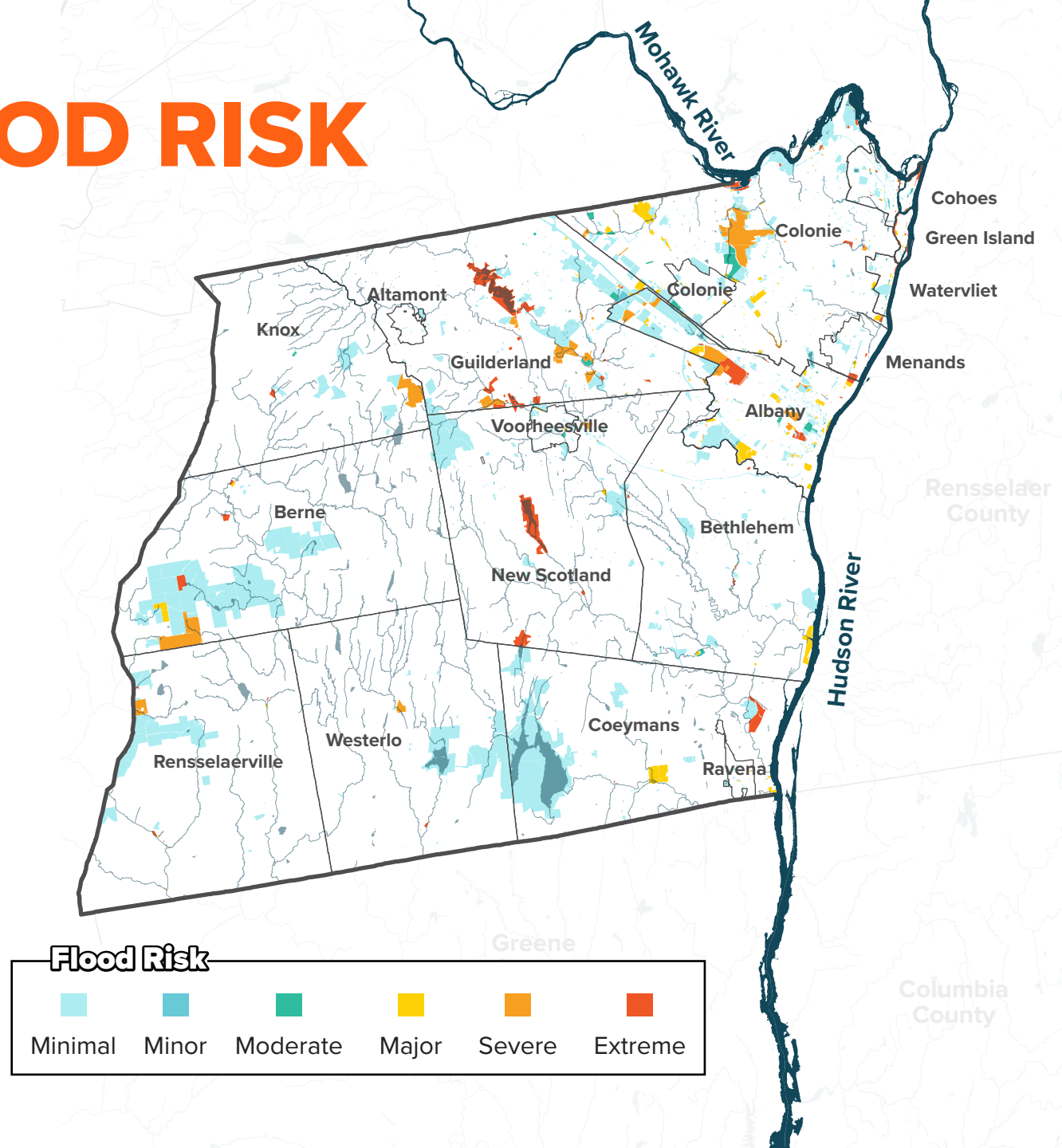
Land Bank properties on:

- Heartt Ave (Cohoes)
- Normanside Drive (Albany)
- River Road (Bethlehem)
- State Route 145 (Rensselaerville)
- County Route 405 (Westerlo)

940 and 946 Albany Shaker Road

County Wastewater Treatment Plant North

Lawson Lake Road



PUBLIC LANDS CLIMATE RISK

County-Owned Land at Extreme Climate Risk

95 Tivoli Street (County Hall of Records)

51 S. Pearl Street (Times Union Center)

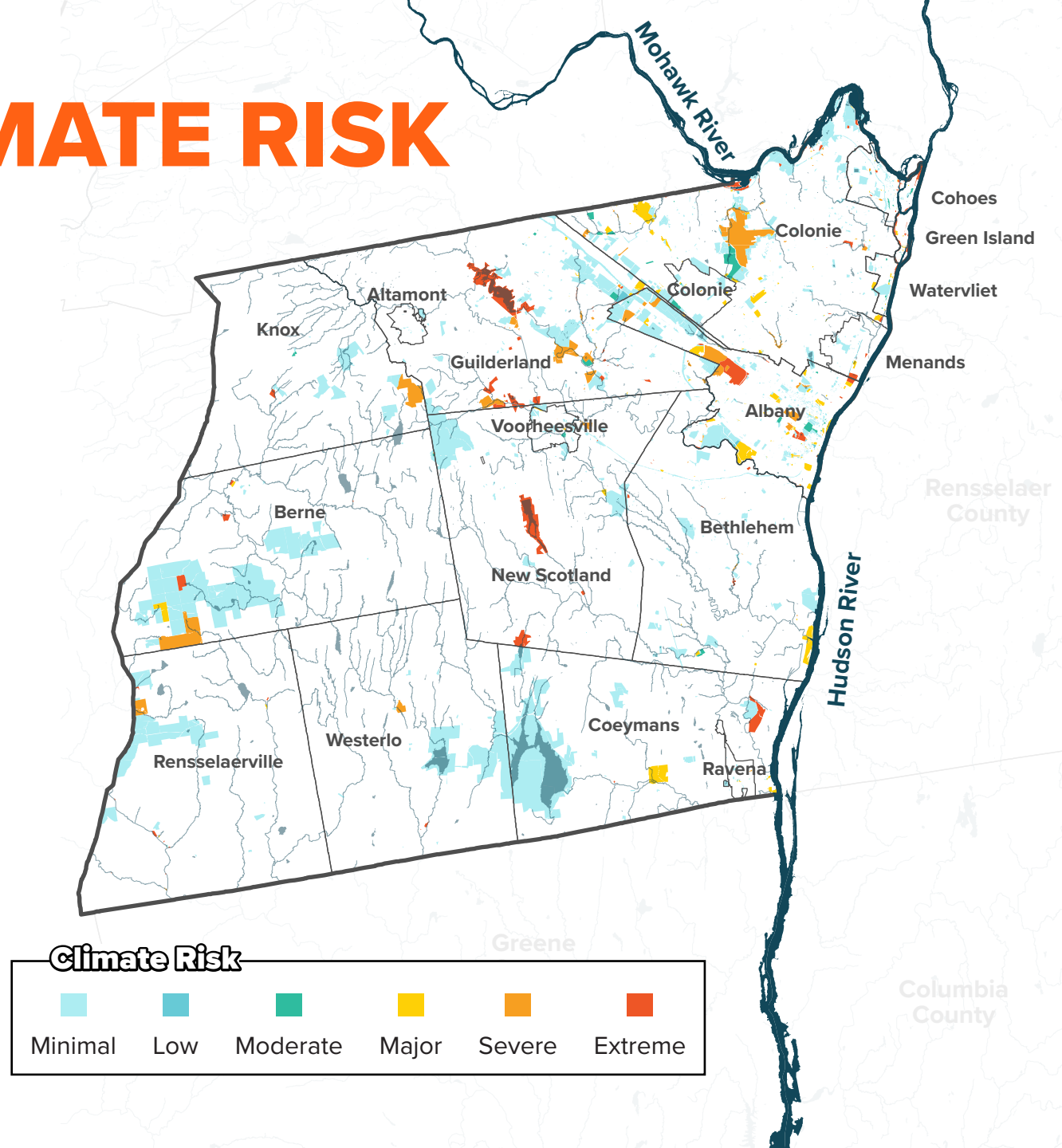
260 S. Pearl Street (County Board of Elections)

107 Sheridan Ave.

Franklin Street properties

Land Bank properties

North and South Wastewater Treatment Plants



04

PRELIMINARY PROJECTS

Project development overview

Project identification

Discussion

04 PRELIMINARY PROJECTS

OVERVIEW

Three Levels of Project Development

1. Identification of actions the County is already implementing and should continue / expand (e.g., E/V charging stations, fleet electrification)

2. Development of project profiles describing new projects, programs, capacity building and/or technical support (~16 projects)

Focus of today's discussion

3. Detailed project development (~4 projects)

- Conceptual design
- Trainings / workshops
- Monitoring framework



CONTINUE + EXPAND EXISTING INITIATIVES

- Electrification of County fleet
- E/V charging stations on County property and expand to other public properties
- Inventory and analysis of greenhouse gas emissions from County facilities and operations
- Renewable energy generation on County property (e.g., regional bio-solids facility at Water Purification District North Plant)
- Streetlight retrofits to LED
- Participation in Climate Smart Communities and Clean Energy Communities programs
- Supporting the Nature Bus program and other initiatives to expand access to public transit



Location



Resiliency Strategy

- » Guide growth and development away from high-risk areas.

FEMA Recovery Area

- Community planning/capacity
- Health and social services
- Infrastructure systems
- Economic systems
- Housing
- Natural and cultural resources

Cost Estimate

\$XX

Implementation Timeframe

- 1 to 2 yrs (short)
- 3 to 5 yrs (medium)
- 5+ yrs (long)

Anticipated Project Lead

- » Albany County, *project lead*
- » Floodplain coordinators in Albany County municipalities, *key partners*

Project #1

Support Municipal Participation in FEMA's Community Rating System Program

Description

Albany County can encourage participation in FEMA's Community Rating System (CRS) program by providing technical assistance to help interested municipalities apply for, maintain, and advance their participation in CRS. The CRS program is a voluntary, incentive-based program that recognizes, encourages, and rewards local floodplain management activities that exceed the minimum standards of the National Flood Insurance Program (NFIP). Communities earn credit points for the local implementation of CRS activities, which can range from public education campaigns to floodplain mapping to critical facilities planning among other eligible activities. In return, flood insurance policy holders in participating CRS communities are eligible for discounts on their flood insurance premiums based on their community's CRS rating.

Potential Benefits

- **Increased number of Albany County municipalities participating in the CRS program**, especially those that may not have the technical, personnel, or financial capacity to do so otherwise.
- **Co-benefits from the implementation of CRS activities**, including reduction in flood insurance premiums, increase in the number of buildings and structures covered by the CRS program, reduction in damage to property or public infrastructure from flood events, reduction of public expenditures necessary for recovery, mitigation of potential economic disruptions and losses, increased public awareness of flood protection measures, and protection of the environment among others.
- **Increased inter-municipal cooperation** through the sharing of baseline data, information, and mapping services at the County level and through a county-wide dialogue between municipalities – both in the CRS program and interested in joining – to discuss possible approaches and lessons learned.

Implementation

Albany County can support municipal participation in the CRS program in multiple ways including by: providing data and mapping services, creating an informational website and repository for CRS resources, facilitating inter-municipal forums to share best practices, and directly assisting municipalities in applying for and advancing their CRS classifications. The County can choose to provide all or some of these services and can make these determinations on a case-by-case basis. The County can also choose to have in-house staff administer the assistance program or hire a consultant to do so.

Project Status and Timeframe

As part of the Albany County Climate Resiliency Plan process, municipal staff in interested communities were introduced to the CRS program. The Village of Green Island is working directly with a consultant to apply for CRS classification as a result of this process. A concerted effort by the County in the near-term could encourage additional municipal participation in the CRS program.

Necessary Pre-Development Work

If the County elects to offer guidance in-house, staff will likely need to receive training on the CRS program and its requirements.

Potential Funding Sources

- NYS Climate Smart Communities (CSC)
- FEMA Pre-Disaster Mitigation (PDM)
- FEMA Flood Mitigation Assistance (FMA)

Effects on Other Resiliency Areas

- **Infrastructure Systems:** Reduction in damage to public infrastructure from CRS activities related to dams, stormwater management, and flood protection systems.
- **Housing:** Reduction in flood damage to insurable property. Reduced flood insurance premiums.
- **Natural and Cultural Resources:** Open space preservation as part of related CRS activities.
- **Economic Systems:** Mitigation of economic disruptions and losses to business and property.

What Other Communities Are Doing

Monroe County, NY. With funding from the NYS Climate Smart Communities (CSC) grant program, Monroe County retained a consultant to provide technical assistance to municipalities with interest in becoming CRS communities or in maintaining or improving their CRS classification.

Assistance included:

- **Operating a website** (monroecountycrs.com) with information, resources, and tools to help municipalities understand and apply for CRS certification.
- **Conducting "CRS Quick Checks"** to determine if communities are eligible for the CRS program and/or to identify areas where communities can earn additional credits.
- **Coordinating a local CRS users group** for communities to share best practices and learn from others' experiences.
- **Helping municipal staff navigate the CRS program** including assisting with application documentation, verification procedures, and annual recertification requirements.

Monmouth County, NJ. The Monmouth County CRS Assistance Program allows municipalities to seek professional and technical guidance in hazard mitigation, community planning, public outreach, and GIS mapping in order to earn or advance their CRS classification. The County also facilitates a quarterly CRS User Group that provides a regional forum for discussion about best practices and common obstacles associated with the CRS program. The CRS Assistance Program is a joint partnership between the Monmouth County Division of Planning and the Monmouth County Office of Emergency Management.

04 PRELIMINARY PROJECTS

01: Increase the County's capacity to anticipate, respond to, and recover from climate change

SHORT-TERM ACTIONS:

- Expand staff
- Review and update internal procedures and permit processes to integrate climate resiliency considerations (e.g., 239 review)
- Provide technical assistance / trainings / grant support for climate resilience projects / initiatives

RESILIENCE STRATEGIES:

- Build climate resilience over time and across scales and systems

KEY PARTNERS:

- State and regional partners (Technical Advisory Committee)
- Municipalities (e.g., Municipal Working Group)

FEMA Recovery Area

-  Community planning/capacity
-  Health and social services
-  Infrastructure systems
-  Economic systems
-  Housing
-  Natural and cultural resources

04 PRELIMINARY PROJECTS

02: Support municipal participation in FEMA's Community Rating System (CRS) program

ACTIONS:

- Information sharing and technical support
- Pursue and document activities that gain all municipalities points in the CRS program
- Provide capacity

RESILIENCE STRATEGIES:

- Guide growth and development away from high risk areas
- Preserve, expand, and restore natural areas
- Learn from past events and anticipate future disturbances

KEY PARTNERS:

- Municipalities
- NYS DEC
- NYS DHSES

FEMA Recovery Area

-  Community planning/capacity
-  Health and social services
-  Infrastructure systems
-  Economic systems
-  Housing
-  Natural and cultural resources

03: Encourage and support the adoption and enforcement of climate resilient laws and regulations

ACTIONS:

- Support municipalities in the adoption of the State's model local laws to increase resilience and the Stretch Energy Code
- Conduct an EIS(s) to facilitate expedited municipal adoption of model laws through form finding statements
- Execute MOUs / shared services agreements with municipalities to provide technical assistance with the review of floodplain development permit applications

RESILIENCE STRATEGIES:

- Guide growth and development away from high risk areas
- Preserve, expand, and restore natural areas
- Decarbonize the building sector

KEY PARTNERS:

- Municipalities
- State agencies

FEMA Recovery Area

-  Community planning/capacity
-  Health and social services
-  Infrastructure systems
-  Economic systems
-  Housing
-  Natural and cultural resources

04: Develop a county-wide open space and nature access plan

ACTIONS:

- Identify and proactively conserve County- and other publicly-owned property in flood-prone areas and identify key future acquisitions
- Prioritize land preservation that protects source water, mitigates flooding, provides species migration and recreational corridors, integrates native landscapes into urban environments
- Plan for and provide equitable transportation access to open spaces

RESILIENCE STRATEGIES:

- Preserve, expand, and restore natural areas
- Strengthen residents' sense of place and awareness of natural processes by deepening connections between social and ecological systems

KEY PARTNERS:

- Municipalities
- State agencies
- Cultural institutions
- Nature preserves and conservancies
- CDTA

FEMA Recovery Area

-  Community planning/capacity
-  Health and social services
-  Infrastructure systems
-  Economic systems
-  Housing
-  Natural and cultural resources

05: Build a robust county-wide trail network

ACTIONS:

- Expand existing trails and improve community connections
- Advance the implementation of the CDTC Capital District Trails Plan
- Adopt a County complete streets policy
- Improve connectivity between urban and rural centers
- Identify opportunities to integrate ecological restoration
- Prioritize connections to socially vulnerable communities

RESILIENCE STRATEGIES:

- Decarbonize the transportation system
- Ensure mass transit and active transportation are viable modes of transportation
- Strengthen residents' sense of place and awareness of natural processes by deepening connections between social and ecological systems

KEY PARTNERS:

- Municipalities
- State agencies
- Nature preserves and conservancies
- CDTC / CDTA

FEMA Recovery Area

-  Community planning/capacity
-  Health and social services
-  Infrastructure systems
-  Economic systems
-  Housing
-  Natural and cultural resources

06: Conduct a county wide culvert analysis

ACTIONS:

- Inventory and map existing culverts; develop countywide database
- Conduct hydrologic analysis to determine culvert capacity and likelihood of failure
- Regional prioritization of culvert upgrades considering flood impacts and habitat connectivity

RESILIENCE STRATEGIES:

- Support data-driven decision-making
- Promote regional sharing of information and services

KEY PARTNERS:

- Municipalities
- Stormwater Coalition
- Cornell Cooperative Extension

FEMA Recovery Area

-  Community planning/capacity
-  Health and social services
-  Infrastructure systems
-  Economic systems
-  Housing
-  Natural and cultural resources

07: Improved data collection to better prepare for and respond to future flood events

ACTIONS:

- Installation of rain and stream gauges throughout county
- Centralized, real-time data access and sharing
- Use data to inform future projects and development and provide early flood warnings

RESILIENCE STRATEGIES:

- Support data-driven decision-making
- Promote regional sharing of information and services
- Learn from past events and anticipate future disturbances

KEY PARTNERS:

- Municipalities
- Stormwater Coalition
- Office of Emergency Management

FEMA Recovery Area

-  Community planning/capacity
-  Health and social services
-  Infrastructure systems
-  Economic systems
-  Housing
-  Natural and cultural resources

08: Create an interconnected network of climate resilience demonstration projects

SHORT-TERM ACTIONS:

- Promote local climate resilience projects

LONGER-TERM ACTIONS:

- Support data collection, monitoring and evaluation of projects
- Provide technical support and trainings re: installation and maintenance
- Educational and workforce development opportunities

RESILIENCE STRATEGIES:

- Support data-driven decision-making
- Promote regional sharing of information and services
- Increase the public's understanding of and capacity to respond to climate change

KEY PARTNERS:

- Municipalities
- UAlbany
- Natural preserves
- Discover Albany

FEMA Recovery Area

-  Community planning/capacity
-  Health and social services
-  Infrastructure systems
-  Economic systems
-  Housing
-  Natural and cultural resources

09: Increase homeowner understanding and awareness of flooding and the benefits of natural infrastructure

ACTIONS:

- Reach by reach approach: target corridors of homeowners in highly urbanized watersheds and/or where localized flooding frequently occurs
- Provide technical assistance to implement best management practices to mitigate flooding and erosion
- Develop and distribute educational materials demonstrating the benefits of green infrastructure and how to maintain it

RESILIENCE STRATEGIES:

- Increase the public's understanding of and capacity to respond to climate change

KEY PARTNERS:

- Municipalities
- Cornell Cooperative Extension
- Albany County Soil and Water District

FEMA Recovery Area

-  Community planning/capacity
-  Health and social services
-  Infrastructure systems
-  Economic systems
-  Housing
-  Natural and cultural resources

04 PRELIMINARY PROJECTS

10: Establish native and climate resilient seed banks/plant nurseries to supply restoration and urban forestry/ag projects

ACTIONS:

- Leverage county- or publicly-owned property, including Land Bank properties
- Support an ecological restoration economy in the long-term
- Provide opportunities for youth workforce development

RESILIENCE STRATEGIES:

- Promote regional sharing of information and services
- Increase the public's understanding of and capacity to respond to climate change

KEY PARTNERS:

- Cornell Cooperative Extension
- Albany County Soil and Water District
- Five River's Environmental Center / Radix Center

FEMA Recovery Area

-  Community planning/capacity
-  Health and social services
-  Infrastructure systems
-  Economic systems
-  Housing
-  Natural and cultural resources

11: Prepare for extreme heat and cold events

ACTIONS:

- Expand existing network of heating and cooling shelters
- Identify locations with low flood risk, but high heat and social vulnerability
- Provide transportation access
- Grants to distribute air source heat pumps to socially vulnerable communities with no access to air conditioning

RESILIENCE STRATEGIES:

- Effectively and equitably respond to and recover from natural disturbances

KEY PARTNERS:

- Municipalities
- Red Cross
- UAlbany
- Dept. of Social Services and Office of Emergency Management

FEMA Recovery Area

-  Community planning/capacity
-  Health and social services
-  Infrastructure systems
-  Economic systems
-  Housing
-  Natural and cultural resources

12: Provide emergency shelters and housing for large scale disturbances and displacement

ACTIONS:

- Identify locations and key partners
- Evaluate existing shelter locations and conditions
- Update existing and establish new sheltering agreements
- Provide transportation access

RESILIENCE STRATEGIES:

- Effectively and equitably respond to and recover from natural disturbances

KEY PARTNERS:

- Municipalities
- Red Cross
- UAlbany
- Dept. of Social Services and Office of Emergency Management

FEMA Recovery Area

-  Community planning/capacity
-  Health and social services
-  Infrastructure systems
-  Economic systems
-  Housing
-  Natural and cultural resources

04 PRELIMINARY PROJECTS

13: Provide workforce development opportunities to support a resilient, sustainable economy

ACTIONS:

- Expand capacity of existing organizations and programs (e.g., County's youth employment program)
- Focus on youth in socially vulnerable communities
- Opportunities could include clean energy and green building technologies, green infrastructure, ecological restoration, agriculture, local volunteer corps, etc.

RESILIENCE STRATEGIES:

- Support and empower local communities and institutions
- Strengthen residents' sense of place and awareness of natural processes by deepening connections between social and ecological systems

KEY PARTNERS:

- Advance Albany Alliance
- NYSERDA
- Radix Center
- UAlbany

FEMA Recovery Area

-  Community planning/capacity
-  Health and social services
-  Infrastructure systems
-  Economic systems
-  Housing
-  Natural and cultural resources

14: Expand renewable energy generation and increase energy resiliency

ACTIONS:

- Lead a coordinated, inter-municipal approach to identify suitable sites for renewable energy development
- Consider: capacity in existing transmission system, strategic transmission upgrades; preservation of agricultural land
- Identify opportunities for on-site renewable energy generation on county property and/or full electrification of county facilities
- Identify opportunities for microgrids

RESILIENCE STRATEGIES:

- Decarbonize the electric grid
- Plan and design for passive survivability

KEY PARTNERS:

- Advance Albany Alliance
- NYSERDA
- UAlbany

FEMA Recovery Area

-  Community planning/capacity
-  Health and social services
-  Infrastructure systems
-  Economic systems
-  Housing
-  Natural and cultural resources

04 PRELIMINARY PROJECTS

15: Increase the capacity of local businesses to prepare for, respond to, and recover from natural disturbances

ACTIONS:

- Provide funding assistance to businesses to implement climate resilience and decarbonization measures
- Establish a on-stop resource center to facilitate communications, disseminate information, promote business continuity preparedness, and provide emergency operations and recovery support
- Incorporate climate resilience considerations in current initiatives (e.g., Advance Albany's Business Retention and Expansion Survey)
- Support / incentivize entrepreneurship in green sectors

RESILIENCE STRATEGIES:

- Promote and support a diverse local economy

KEY PARTNERS:

- Advance Albany Alliance
- State agencies

FEMA Recovery Area

-  Community planning/capacity
-  Health and social services
-  Infrastructure systems
-  Economic systems
-  Housing
-  Natural and cultural resources

16: Preserve, support, and diversify the county's agricultural economy

ACTIONS:

- Incentivize best management practices to improve water quality and reduce soil erosion
- Increase participation in existing farmland conservation programs and application of conservation tools
- Create a critical farm revolving loan fund
- Provide technical assistance to facilitate adaptation to climate change impacts
- Expand programs focused on connecting youth to agriculture

RESILIENCE STRATEGIES:

- Preserve agricultural lands and strengthen the local food system

KEY PARTNERS:

- Municipalities
- Cornell Cooperative Extension
- Soil and Water Conservation District

FEMA Recovery Area

-  Community planning/capacity
-  Health and social services
-  Infrastructure systems
-  Economic systems
-  Housing
-  Natural and cultural resources

DETAILED PROJECT PROFILES

Potential options:

1. Training to assist communities in using this project's risk assessment data
2. Identification of and concept design for mulitmodal improvements paired with natural infrastructure (focus on areas with high climate risk and alignment with the federal Healthy Streets Program)
3. Conceptual site design to integrate green infrastructure and native landscape into County (or other) properties
4. Analysis of critical infrastructure at high flood risk and identification of adaptation strategies
5. Development of climate resilience indicators and a monitoring framework

What's missing...?

Are there other projects you'd like to see the County pursue to increase climate resilience?

Are there other programs or trainings you'd like to see the County offer to build local capacity to respond to climate change?

05

NEXT STEPS

Project development

Public engagement

05 NEXT STEPS

PROJECT SCHEDULE

MAY - AUGUST 2022

Project development

AUGUST - SEPTEMBER 2022

Draft report

OCTOBER

Final report



05 NEXT STEPS

ENGAGEMENT

JUNE - JULY 2022

Series of public events to get feedback on projects and share risk assessment

EARLY SEPTEMBER 2022

TAC meeting #4

END OF SEPTEMBER 2022

Final public meeting



THANK YOU!

Technical Advisory Committee // Meeting #3

May 10, 2022