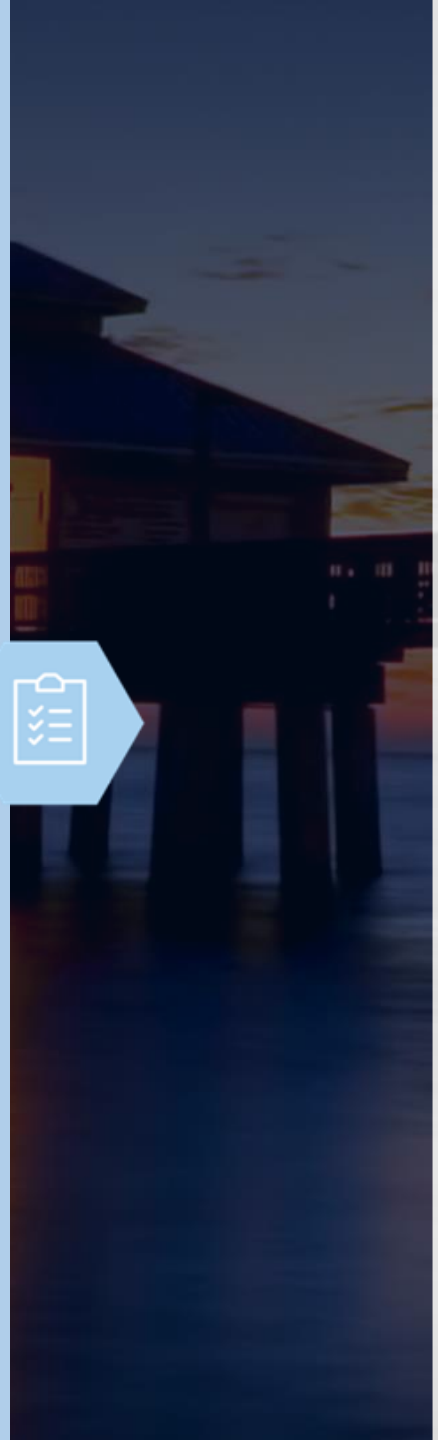
Jon Romine
July 17, 2023

Planning & Capacity Branch Meeting

Recovery Task Force

RESILIENT LEE

RESILIENTLEE.ORG



Introductions

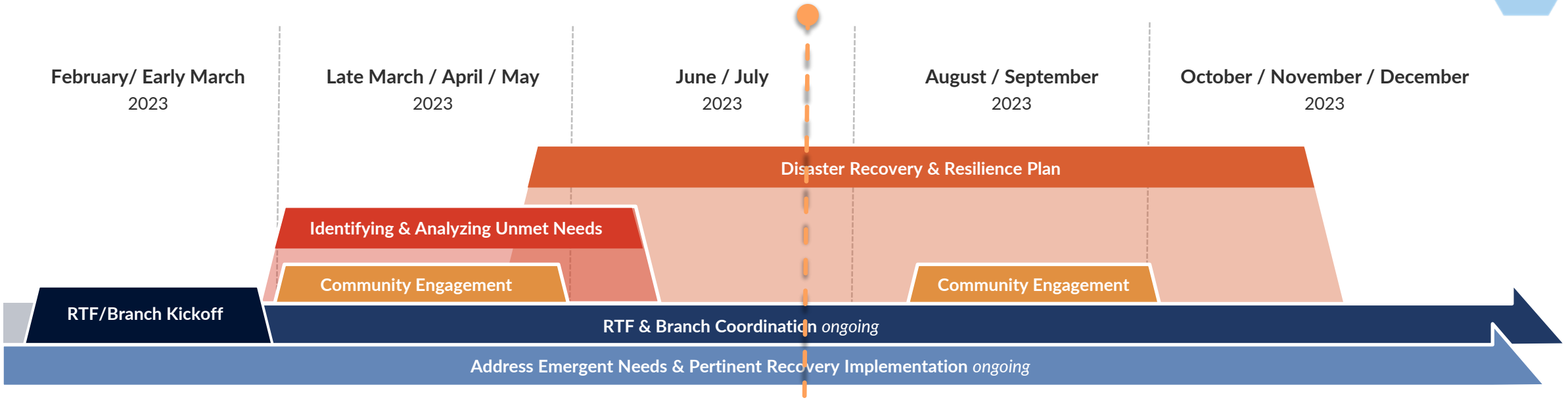
Resilience Overlay

Implementation Plan

Questions and Next Steps

Public Comment

Timeline for Long-term Recovery Planning



RTF / Branch Kickoff

Establish the working structure for RTF and launch branches. Identify immediate needs and goals to address.

Launch website.

RTF & Branch Coordination

Identify recovery objectives; inform impact and needs assessment; establish projects; incorporate community's priorities; inform long term planning; oversee recovery plan implementation.

Identifying & Analyzing Unmet Needs

Hurricane Ian storm impact analysis, and a cursory look at outstanding needs that will begin to shape recovery priorities.

Community Engagement

Comprehensive community outreach to inform and validate needs, identify solutions, and validate planning.

Hurricane Ian Disaster Recovery & Resilience Plan

A framework for Lee County's recovery from Hurricane Ian, including prioritized projects, funding sources, and key stakeholders.

Emergent Needs & Pertinent Recovery Implementation

Conduct recovery operations and manage recovery funding streams: short-term, intermediate, long-term.

RTF is forum to identify emergent and time sensitive needs and identifying best path forward.

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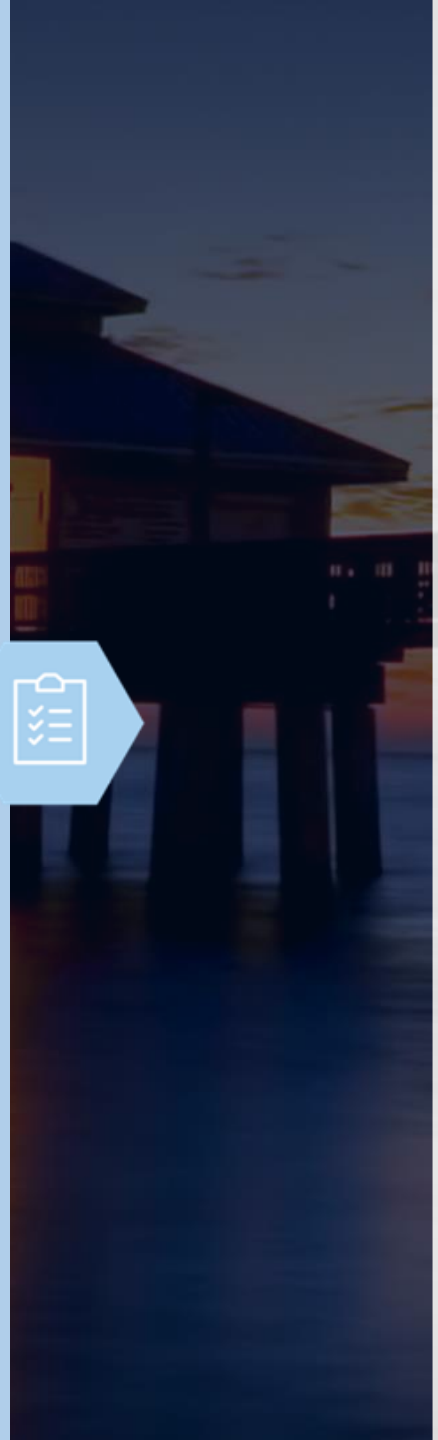
Meeting Purpose

- Review Branch Initiatives to include in the Resilience Overlay.
- Discuss Overlay design and implementation plan.



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Planning & Capacity Initiatives Review

1. Assess emergency logistical resource needs of critical services and identify funding streams to acquire resources that fill these gaps.
2. Develop and maintain pre-existing recovery and distribution centers to streamline recovery operations after a disaster.
3. Incorporate cost recovery planning into preparedness efforts to increase municipal resilience.
4. Perform community assessments on identified sector vulnerabilities and existing infrastructure to prioritize needs in future planning efforts, including the Disaster Advisory Council's Local Mitigation Strategy, to ensure future funding is prioritized for the projects that create the most resilience factoring in growth.
5. Develop a resilience overlay (maps and policies) that increases intergovernmental coordination and hazard mitigation in planning efforts.
6. Develop Neighborhood Plans in identified communities.
7. Expand Joint Local Mitigation Plan to include identified vulnerabilities.

Considerations

Branch Initiative Focus:

Develop a resilience overlay (maps and policies) that increases intergovernmental coordination and hazard mitigation in planning efforts.

Does the Branch want to include all of these in the Resilience Overlay?

Are there gaps in what needs to be addressed?

What are some additional inclusions that would benefit overall resilience?

Resilience Overlay Inclusions

Natural Resources	
	Initiative
1	Coordinate infrastructure improvements with natural resource partners to ensure new and existing plans are sustainable to both sectors.
2	Identify and implement actions aligned with protecting natural resources to address existing stormwater management challenges and mitigate future impacts to vulnerable communities.
3	Identify feasibility studies and environmental areas needing additional protection through land acquisition and other conservation efforts.
4	Preserve and improve natural habitats through community planning, conservation, restoration, protection best practices.

Resilience Overlay Inclusions

Infrastructure (1 of 2)	
	Initiative
1	Analyze countywide infrastructure needs to inventory existing critical structures, document key issues experienced during and immediately after Hurricane Ian and develop solution plans for identified gaps.
2	Assess community transportation needs, accounting for projected growth, to improve livability.
3	Identify and map evacuation routes currently in use and develop an After-Action Report (AAR) that captures best practices for use in future operations.
4	Improve operational capability of stormwater infrastructure.

Resilience Overlay Inclusions

Infrastructure (2 of 2)	
	Initiative
5	Improve sewer systems and implement septic-to-sewer conversions where applicable.
6	Improve sheltering facilities and operations for community members and first response partners by expanding capacity and hardening existing shelter facilities (i.e., schools) and utilities to meet the needs of increasing populations.
7	Increase essential service operations capabilities, post-disaster, by developing and hardening facilities through new design, relocation, and utility redundancy.
8	Diversify and harden communication infrastructure to enable continued operations with new technologies, private sector contracts, and enhanced infrastructure to reduce service disruptions.

Resilience Overlay Inclusions

Housing (1 of 2)	
	Initiative
1	Create a mixed-use development overlay that provides land to developers to create an LMI housing neighborhood that also incorporates stormwater storage, greenspace and other public amenities.
2	Create an elevation and/or buyout program.
3	Create construction programs for repairing, reconstructing, and hardening homes to updated codes, with a focus on LMI communities.
4	Develop and maintain affordable and attainable workforce housing, as well as housing for vulnerable populations (specifically individuals suffering from homelessness), located near places of employment.

Resilience Overlay Inclusions

Housing (2 of 2)	
	Initiative
5	Expedite permitting process by allowing for remote permitting, using up to date technology, and providing training tools to reduce re-submittals.
6	Identify policy requirements for inclusion in the Planning & Capacity Branch Resilience Overlay.

Resilience Overlay Inclusions

Economic Recovery	
Initiative	
1	Create mechanism to support lowering insurance rates.
2	Develop a sector strategy to grow sectors to diversify the economy and attract businesses to the area by leveraging the tourism industry.
3	Provide access to natural resources as a way of boosting tourism and invigorating the economy.
4	Support mixed use zoning and facilities to increase small business development.

Considerations

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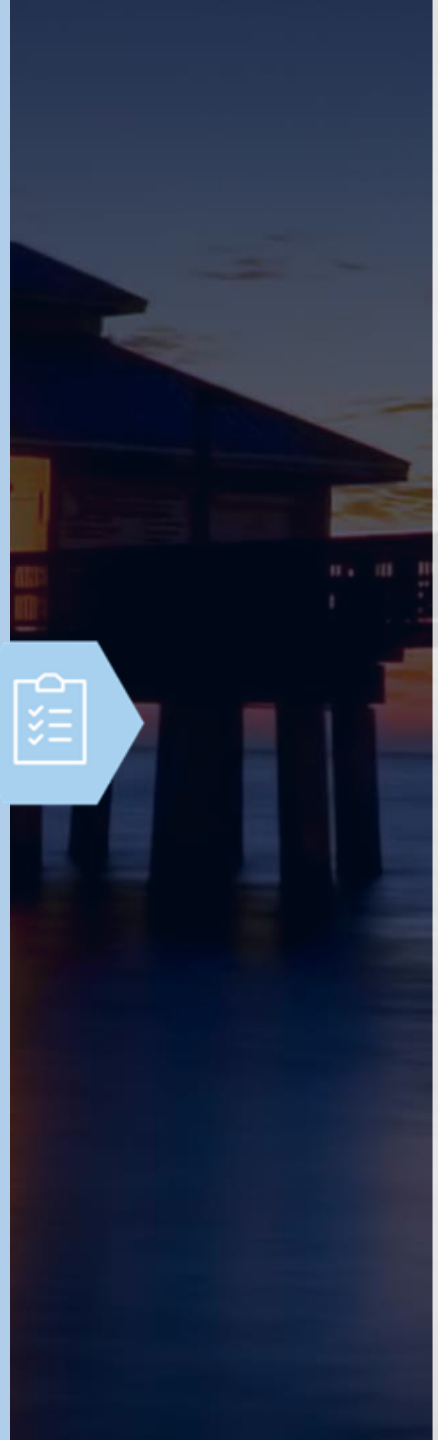

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What will the Resilience Overlay ultimately look like?

How will the different jurisdictions integrate and adopt Overlay recommendations?

How will this Overlay be marketed and promoted amongst community partners for adoption?

Example 1: Charleston, South Carolina

Faces similar risks of hurricanes and flooding. Overlays such as this have been used to develop resiliency strategies.

HIGH GROUND

High ground is defined as land outside of the FEMA 100 year floodplain and above the NOAA max category 3 storm surge. High ground has the lowest flood risk and stormwater detention here has the greatest watershed benefit.

ADAPT ZONE

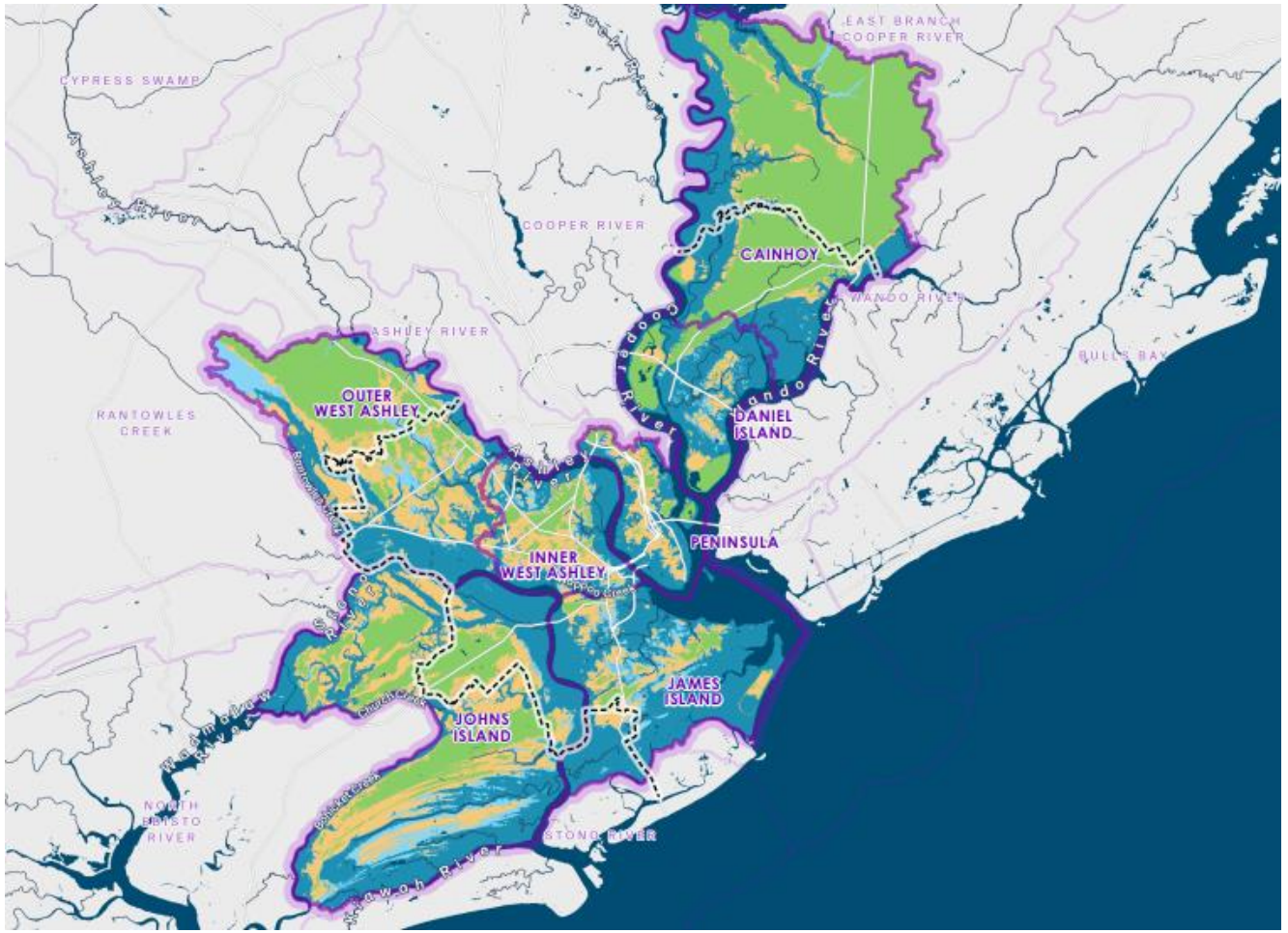
The adapt zone consists of land outside of the FEMA 100 year floodplain that is still within the NOAA maximum storm surge of a category 3 hurricane. Rain and storm surge flooding in this zone is infrequent but not impossible.

COMPOUND FLOOD RISK

This zone encompasses areas within the floodplain above the tidal flood risk zone where flood risk comes from a mixture of rainfall, runoff and tidal conditions.

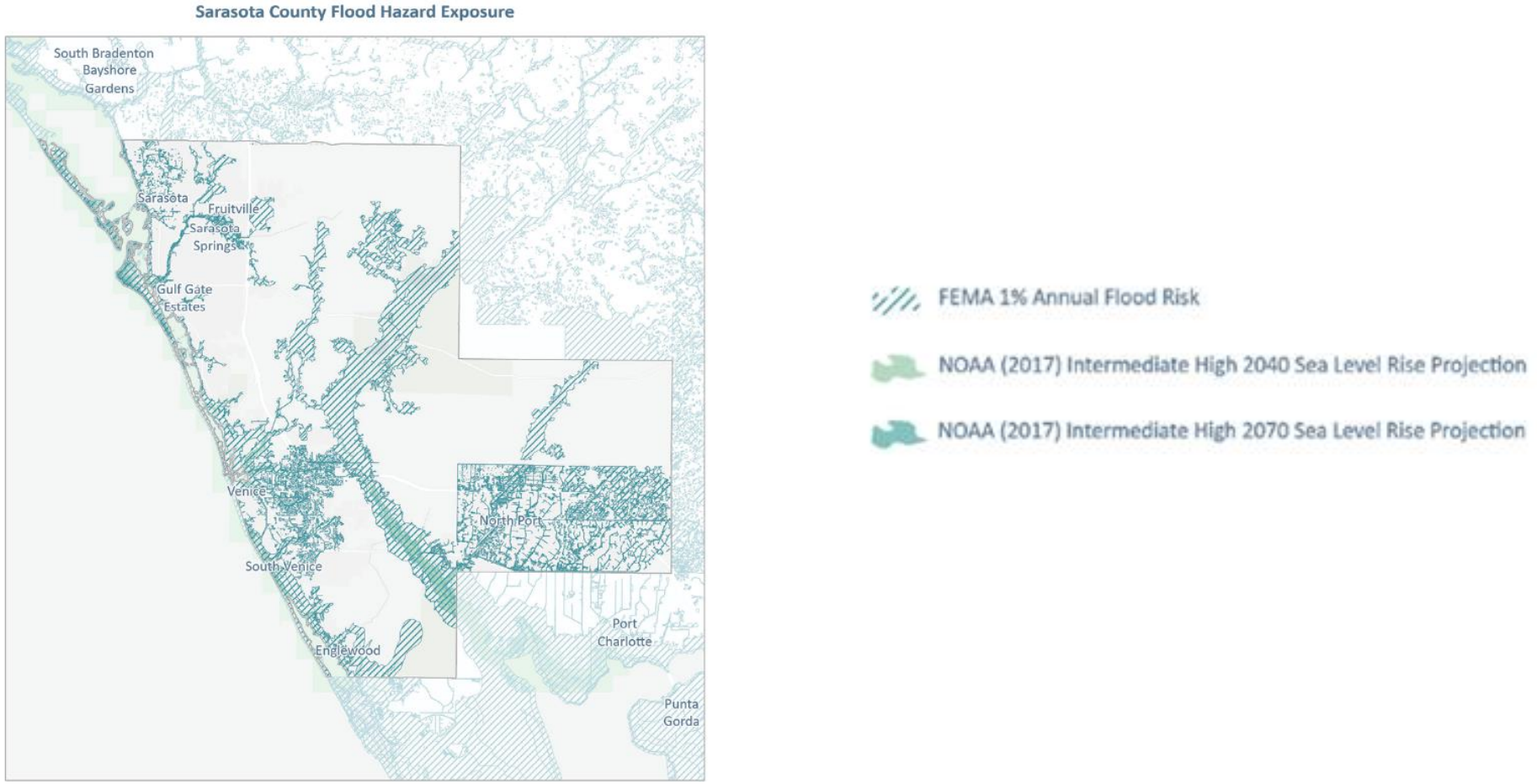
TIDAL FLOOD RISK ZONE

This zone encompasses the lowest land in Charleston. Nearly 100% of this zone is in the 100 year floodplain. Flooding is frequent and can come solely from tidal events independent of precipitation. Sea level rise driven marsh migration occurs in this dynamic zone.



Example 2: Sarasota County, Florida

Coastal county also on the gulf coast of Florida, facing similar storm surge, hurricane, and sea level rise risks.



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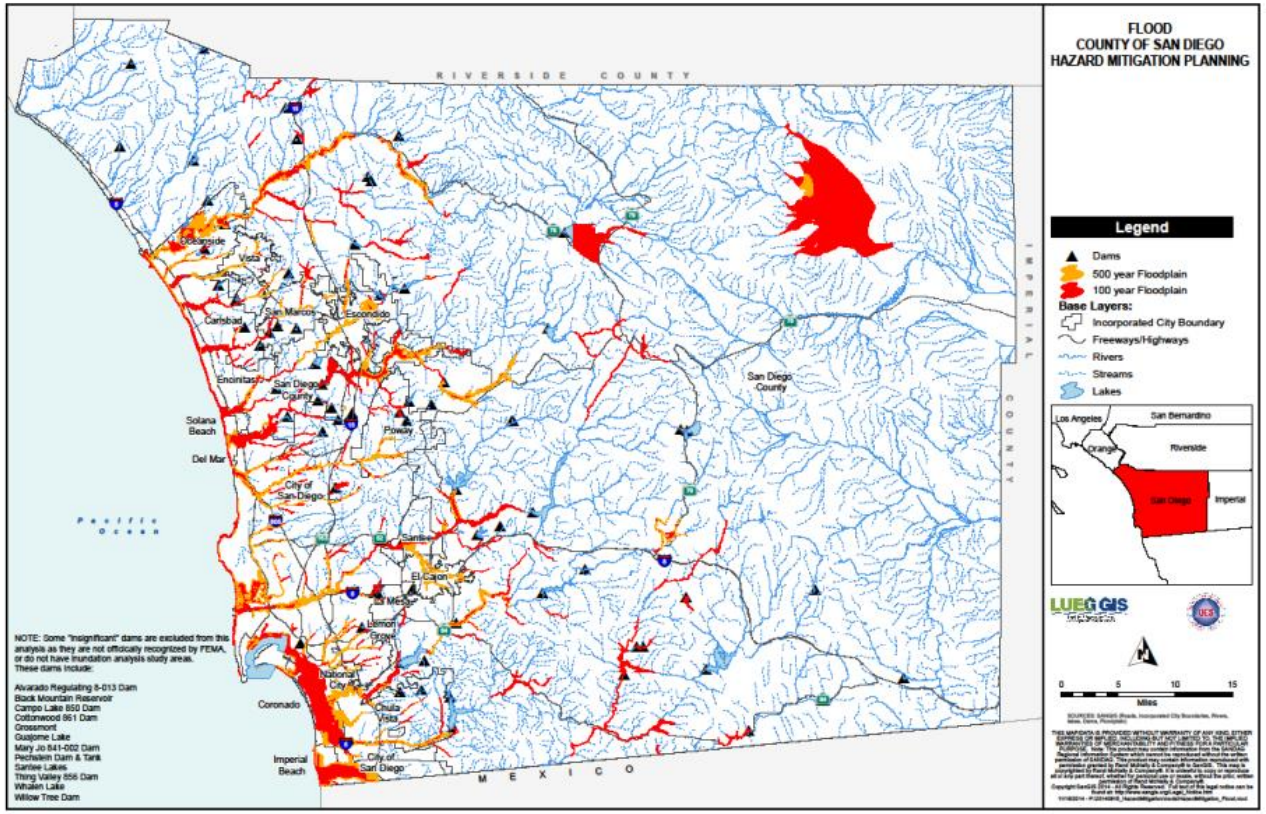
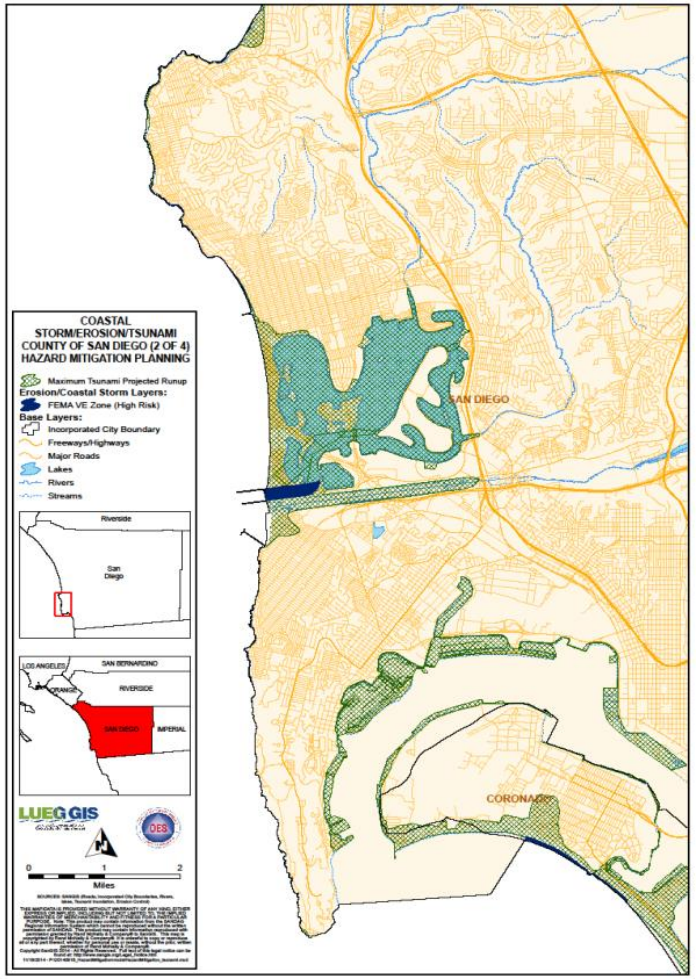
Example 3: San Diego, California

Coastal city facing sea level rise, flooding, and wildfire risks. San Diego developed a Climate Action Plan based on flood, fire, and coastal resilience overlays.





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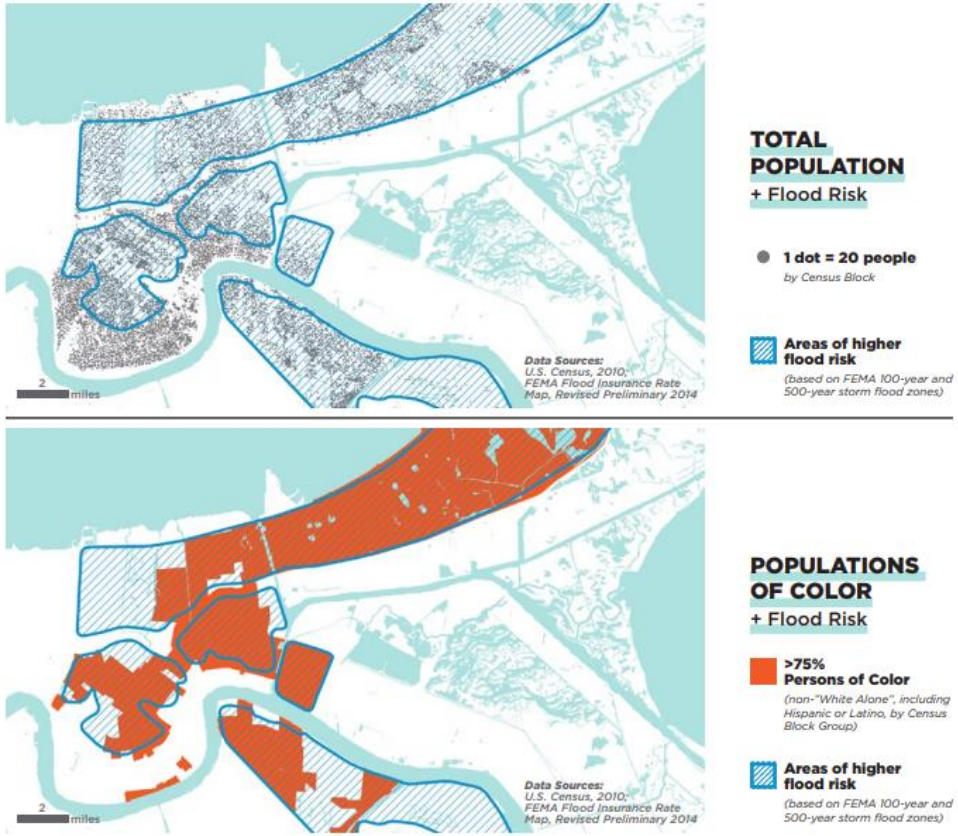
Example 4: New Orleans, Louisiana

Coastal city facing sea level rise, flooding, and hurricane risks. Combined flooding resilience overlays with social resilience overlays to illuminate hazards.



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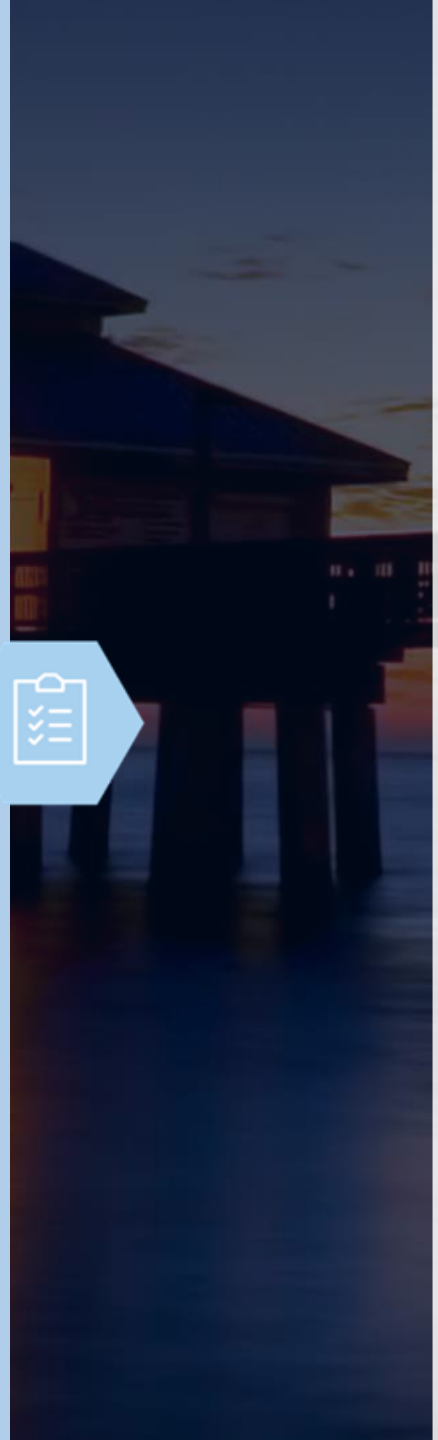

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Discussion and Questions

Discussion to close after final member questions and next steps, before opening to Public Comment.

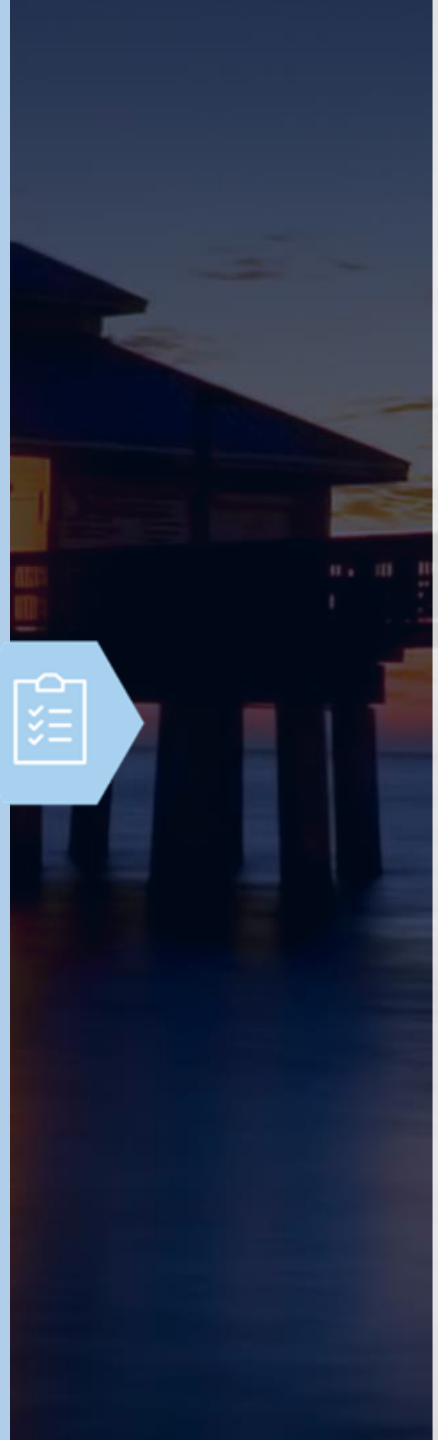
Next Steps

Next Items

- **Finalize resiliency overlay and projects by August 18th to be included in the Branch Action Plan.**
- **Submit preferred title and a photo for the Resilient Lee website by the end of the week.**
- Begin developing Branch Action Plan

Next Meeting

- Monday, August 7, 2023 | 2:00 pm – 3:30 pm



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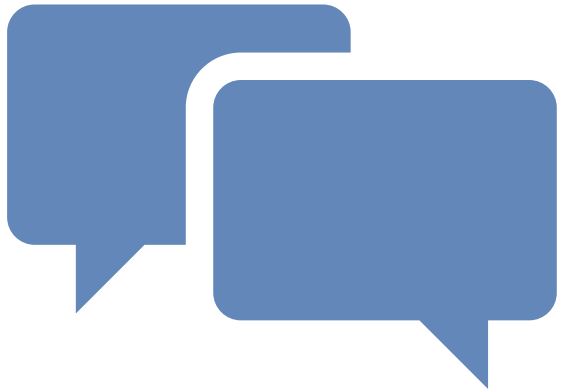

Adjourn

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Planning & Capacity Branch

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