

# TPB AND THE NEW TRANSPORTATION RESILIENCY PLANNING PROGRAM

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## Update on resiliency planning at TPB

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Bicycle and Pedestrian Subcommittee  
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# TPB Resiliency Planning - Overview

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- Introductions
- Where we've been
- Where we're going



# Introductions

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- Regional Economist at Hampton Roads Planning District Commission (HRPDC)
- Technical Specialist at U.S. Green Building Council (USGBC)
- Graduate work in economic impact of coastal flooding/SLR in Long Beach, CA, environmental planning & management
- Currently recruiting for Stacy Cook's replacement



# Transportation Resilience

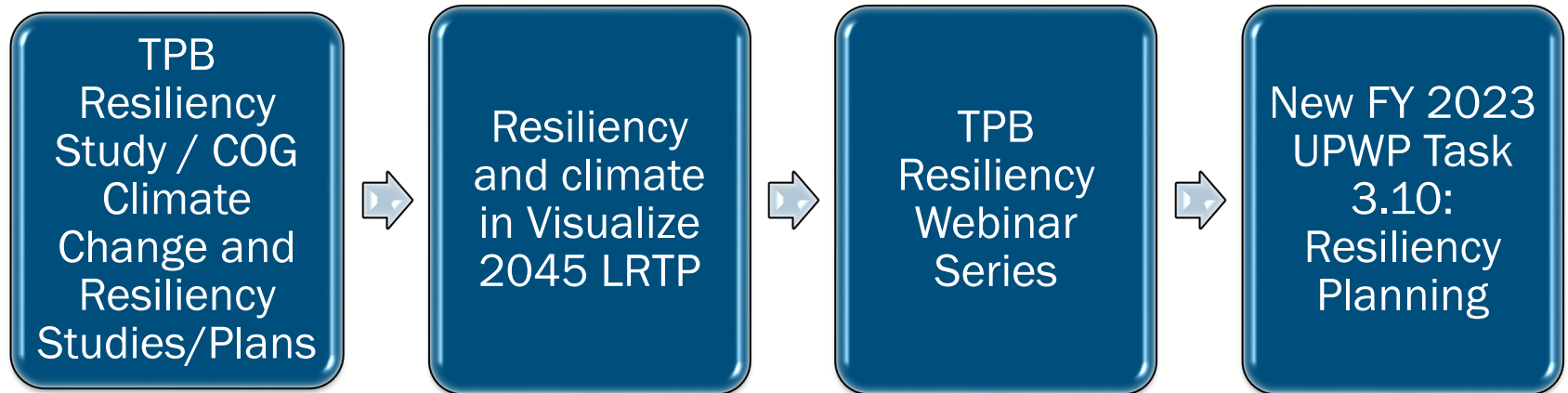
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- FHWA definition: the ability to anticipate, prepare for, and adapt to changing conditions and withstand, respond to, and recover rapidly from disruptions.



# Recent Activities

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# Resiliency and Climate Change Studies

## Recent Studies:

- TPB Climate Change Mitigation Study of 2021
- TPB Resiliency Study

## COG and TPB: Board Actions

- COG 2030 Climate and Energy Action Plan (CEAP)
  - TPB endorsed CEAP climate and multisector emissions goals for 2030/2050

## Past Studies:

- What Would it Take
- Multi-sector Working Group Analysis

\*This list is not comprehensive of all COG and TPB activities, visit [www.MWCOG.org](http://www.MWCOG.org) for more information



# TPB Resiliency Study (Phase I)

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- Researched and documented agency adaptation planning activities to:
  - Respond to one of the federal Planning Factors, and
  - Advance important planning work and regional coordination on the topic of resiliency, and identify MPO roles and opportunities
- Link to white paper:  
[https://www.mwcog.org/assets/1/28/TPB\\_Resiliency\\_WhitePaper.pdf](https://www.mwcog.org/assets/1/28/TPB_Resiliency_WhitePaper.pdf)



# Resiliency in Visualize 2045

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- In Chapter 6 “Strategies for a Brighter Future” that describes planning considerations and TPB planning activities: new sections on climate change mitigation and resiliency
  - Pages 129-136 <https://visualize2045.org/wp-content/uploads/2022/06/Viz2045-rp-Final-Report-Approved-20220615.pdf>
- Resiliency and Climate Change Mitigation studies included as Appendix L and M of Visualize 2045 update
- Phase I Resiliency Study included

**Visit [Visualize2045.org](https://visualize2045.org)  
for more about climate  
resiliency in the plan**

<https://visualize2045.org/future-factor/climate-resiliency-and-environmental-health/>





# TPB Resiliency Webinar Series

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- The webinar series bolsters regional planning capacity for resiliency:
  - How resilience is approached in the region
  - Planning for and technical application of climate integration into vulnerability assessments, resilience planning, and project development and design
- TPB invited planners, engineers, and transportation, environmental services, community development, and policy professionals from throughout the region to participate
- Link to resource guide to all four webinars:  
[https://www.mwcog.org/assets/1/6/TPB\\_2022\\_Resiliency\\_Webinars\\_Overview\\_Resource\\_Guide\\_Final.pdf](https://www.mwcog.org/assets/1/6/TPB_2022_Resiliency_Webinars_Overview_Resource_Guide_Final.pdf)



# FY23 Unified Planning Work Program: TPB Resiliency Planning

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- This task includes:
  - Developing a regional resiliency interactive map
  - Conducting a Transportation Resiliency Study (Phase II)
  - Convening a temporary working group to guide current resiliency planning activities, to identify and engage stakeholders and member agency participants in this new regional planning task
  - Conducting regional resiliency planning training, outreach, or professional development forum(s) to strengthen regional awareness





\*More on Phase II in next slide

## Next Steps

- TPB Phase II Resiliency Study\*
- DOD resiliency efforts in our region - presentation
- Regular coordination on regional transportation resilience efforts
- TPB to create and distribute summary of IJA resilience planning/funding opportunities
- Track grant/other funding opportunities for members

Flickr/VDOT



# TPB Phase II Resiliency Study

Objective: expand upon Phase I study completed in FY 2022 to inform future planning and programming

## Resilience Improvement Plan

- Engage ICF to assist
- Systematic approach to system resilience
- Risk-Based Vulnerability Assessment
- Develop regional interactive map of major resiliency hazards
- 12-18 month timeline, projected begin March 2023

## Participation

- Project list
- Resiliency Forum
- Working Group to advise, Resilience subcommittee to follow

## Potential Components for future phase

- Asset/Project-Specific Case Studies



# Bicycle/Pedestrian Role in Transportation Resiliency

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- Bike/Ped trails as resilient infrastructure
  - FHWA guidebook soon to be released
- Role of bike sharing in promoting resilient transportation network
- Resilience hubs
- Vulnerability assessment – Active Transportation Infrastructure





Is there anything you want to see from us now that we have more transportation resiliency planning capacity?

Email me – [krainone@mwkog.org](mailto:krainone@mwkog.org)



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