



Not Enough by Itself: How Mitigation & Adaptation Strategies Can Work Together

Elizabeth Baxter, Resiliency Planning Manager



MIAMI VALLEY
Regional Planning Commission

Miami Valley Regional Planning Commission



- Voluntary Association of member ***governments***
 - Transportation Metropolitan Planning Organization (MPO)
 - Regional Planning Commission (RPC)
 - Areawide Water Quality Planning Agency
- Since 1964, 100+ members



MVRPC Members

As of September 1, 2025

Other Governmental / Non-Governmental Members

AES Ohio	Miami Conservancy District
CenterPoint Energy	Miami County Engineer
Centerville-Washington Park District	Miami County Park District
Central State University	Miami County Transit
Darke County Engineer	Montgomery County Engineer
Darke County Park District	Montgomery County TID
Dayton Area Chamber of Commerce	Ohio EPA
Dayton Development Coalition	ODOT District 7
The Dayton Foundation	ODOT District 8
Dayton Metro Library	Preble County Engineer
Dayton Realtors	Shelby County Engineer
Downtown Dayton Partnership	Sinclair College
DriveElectric Dayton	Sustainable Ohio Public Energy Council
FHWA Ohio	Troy Area Chamber of Commerce
Five Rivers MetroParks	University of Dayton
Greater Dayton Area Hospital Association	Warren County TID
Greater Dayton RTA	Wright State University
Greene County Engineer	Wright-Patterson Air Force Base
Greene County Transit Board	

RPC Member Counties

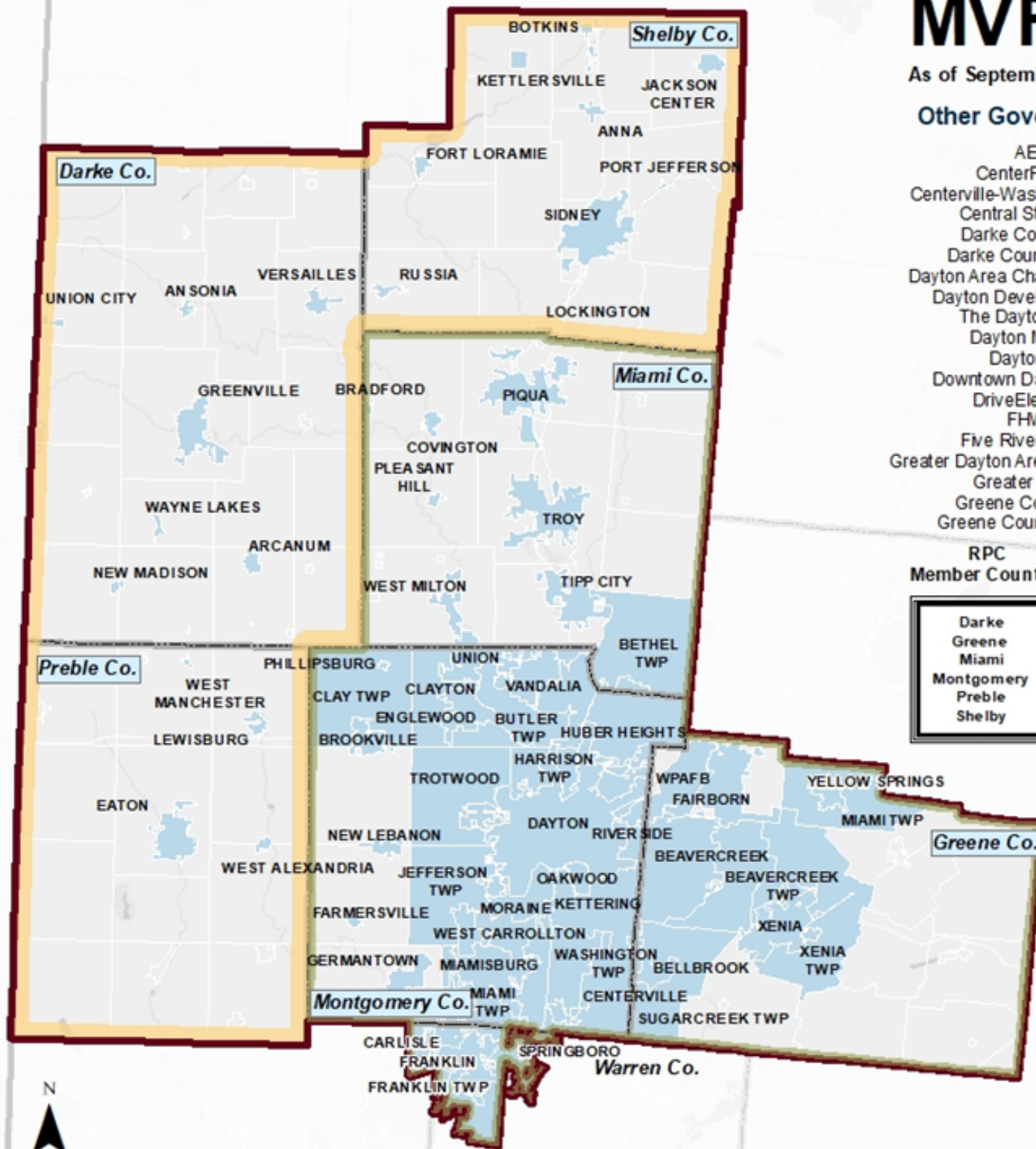
Darke
Greene
Miami
Montgomery
Preble
Shelby

Regional Transportation Planning Organization (RTPO)

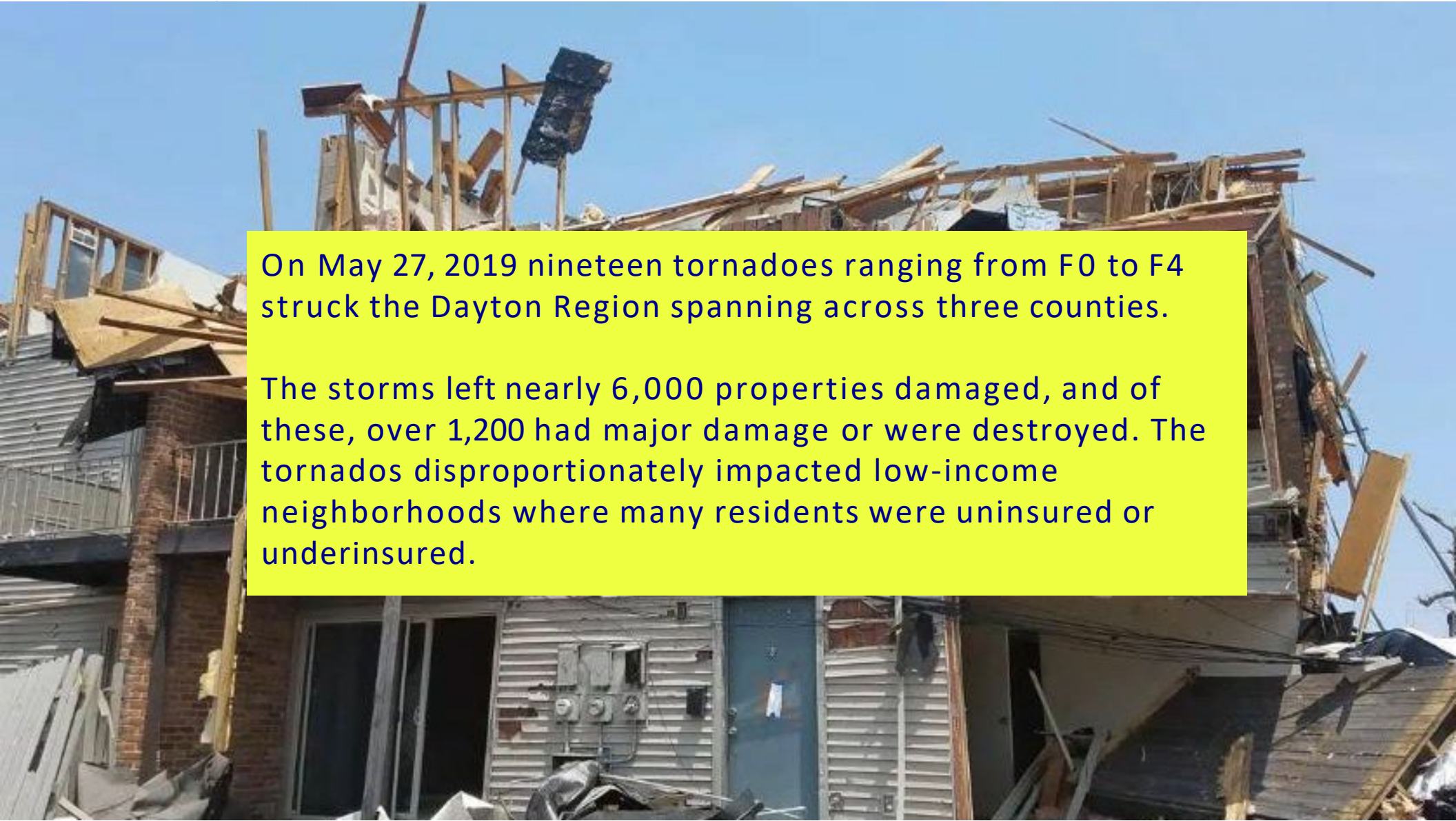
Shelby
Darke
Miami
Preble
Montgomery
Greene
Warren

Metropolitan Planning Organization (MPO)

- Member Jurisdiction
- Metropolitan Planning Organization Boundary
- Regional Planning Commission Boundary
- RTPO Boundary



Regional Coordination in Disaster Recovery



On May 27, 2019 nineteen tornadoes ranging from F0 to F4 struck the Dayton Region spanning across three counties.

The storms left nearly 6,000 properties damaged, and of these, over 1,200 had major damage or were destroyed. The tornados disproportionately impacted low-income neighborhoods where many residents were uninsured or underinsured.



Resiliency Planning

- In 2023 MVRPC began to focus on resiliency planning.
- Members indicated they did not want a traditional plan, rather a tool to help them plan for their community needs.



New Opportunity, Broader Work



From the *Inflation Reduction Act*

- \$3M per state; \$1M per metro area (top 79)
 - Emissions inventory and projections
 - Regional goals and strategies
 - Benefits analysis
 - Workforce planning

Federal planning grant adds two new dimensions

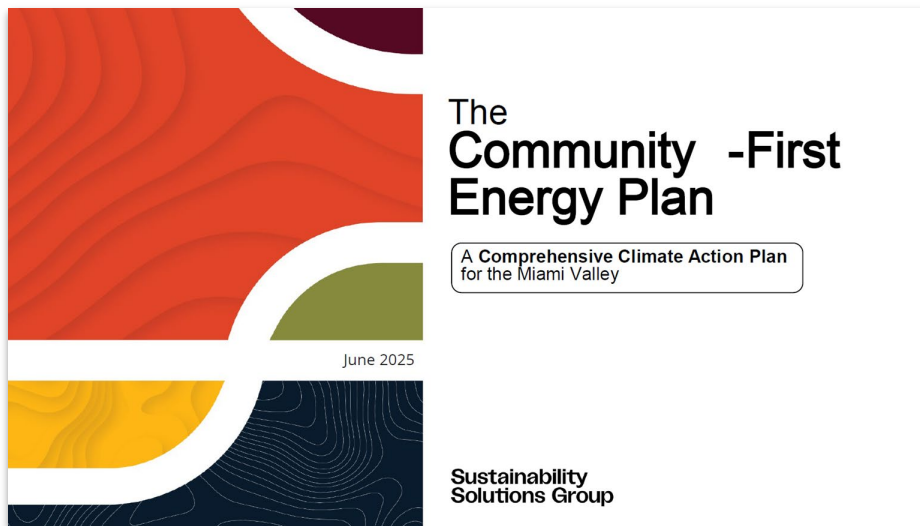
- New sectors – beyond transportation emissions
- New emissions – include carbon emissions



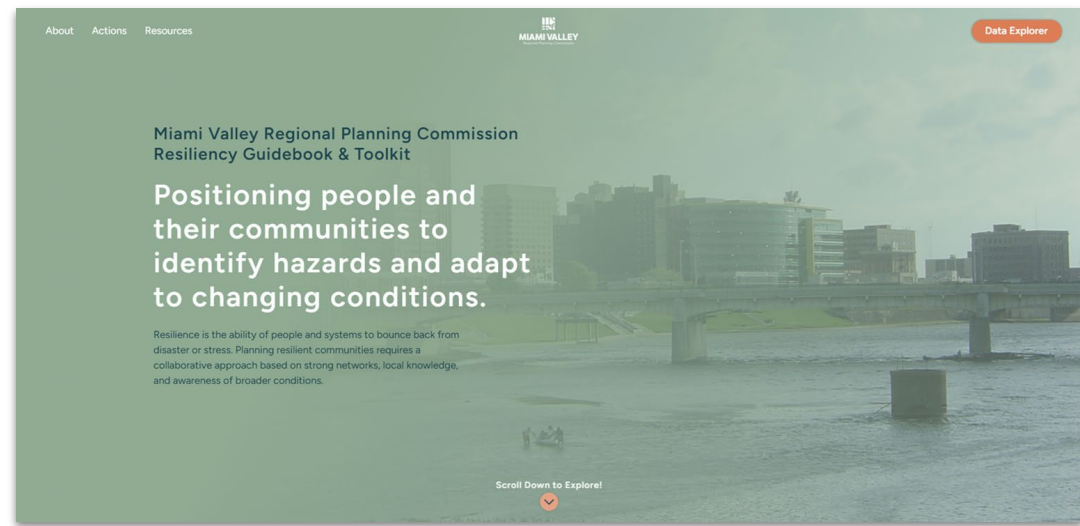
Tools to Support Mitigation & Adaptation

- Communities are doing one or the other, but pairing both efforts leads to a safer and more resilient region supporting smart development.

Mitigation



Adaptation



Regional Resiliency Guidebook & Toolkit

[About](#) [Act](#) [Resources](#)

[Data Explorer](#) →

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INTRODUCTION

Recovery Planning

The disaster recovery planning process begins before a disaster occurs, and continues long after.

Local governments can prepare for future disasters by engaging with the whole community and planning for both short-term recovery and comprehensive, long-term recovery activities. Recovery planning is an important part of creating more resilient communities.



Recovery Continuum
FEMA's National Disaster Recovery Framework, Third Edition

[About](#) [Resources](#)

[Data Explorer](#) →

Roles & Responsibilities During Recovery Planning

Planning for recovery is an important part of pre-disaster planning. Potential partners can prepare for recovery from future disasters by engaging for comprehensive, long-term recovery activities. View roles and responsibilities by sector to determine potential partners and representatives to involve on the team.

Local Government Recovery Roles

NGO Recovery Roles

Private Sector Recovery Roles

Additional resources for NGO's

- Center for Disaster Philanthropy's Toolkit and Tips
- National Council of Nonprofits' Disaster Recovery Guidance
- National Volunteer Organizations Assisting in Disasters (VOAD) Resource Center

Additional resources for Private Businesses

- Economic Development Administration Economic Recovery & Resilience Resources
- Small Business Administration Prepare for Emergencies
- Small Business Administration Business Resilience Guide

SELF-ASSESSMENT

Community Resilience Self Assessment: Transportation & Environment

This is a template to help communities assess where progress is being made towards regional resilience goals in two domains: transportation and the environment.

Use each assessment as a tool to support the resilience planning process, catalog successes being made, and chart a path towards greater resiliency. Complete each assessment as a group to help record progress as well as spark internal capacity building and ideas for the future. Each assessment can also be used as a tool to communicate needs with MVRPC.

The MVRPC region has four Regional Resilience Goals. Each goal has associated strategies to accomplish the goal. This assessment contains a prompt for each strategy and goal.

- Write 1-3 paragraphs on efforts your community is making for each goal and strategy.
- Rate your progress on that effort on a resilience effort maturity scale from "Not Developed" to "Refined and Integrated." For example, if your community has created a recovery policy, protocol, or program that has been created but not tested, you would rate the effort as "Developed." Your score will be visible by goal after submission.
- Once completed, reach out to Elizabeth Baxter, Resiliency Planning Manager, with the outcome to discuss progress, needs, goals, and next steps: ebaxter@mvrpc.org

Transportation template:

[Download the Transportation Assessment & Get Started](#)

Environment template:

[Download the Environment Assessment & Get Started](#)

Community Self Assessment: Transportation Resilience

"Prototype"

What
This is a template to help communities assess where progress is being made towards regional resilience goals in the transportation template.

Why
Use this assessment as a tool to support the resilience planning process, catalog successes being made, and chart a path towards greater resiliency. Complete this assessment as a group to help record progress as well as spark internal capacity building ideas for the future. This assessment can also be used as a tool to communicate needs with MVRPC.

Who
This assessment should be led by someone in a transportation planning role in the community. A business resilience planning or transportation planning role. If not available, a group of representatives from several departments or disciplines is recommended. All participants should have a role in the planning process.

How
MVRPC has four Regional Resilience Goals. Each goal has associated strategies to accomplish the goal. This assessment contains a prompt for each strategy and goal.

- Write 1-3 paragraphs on efforts your community is making for each goal and strategy.
- Rate your progress on that effort on a resilience effort maturity scale from "Not Developed" to "Refined and Integrated." For example, if your community has created a recovery policy, protocol, or program that has been created but not tested, you would rate the effort as "Developed." Your score will be visible by goal after submission.
- Once completed, reach out to Manager of Resiliency Planning Elizabeth Baxter with the outcome to discuss progress, needs, goals, and next steps: ebaxter@mvrpc.org



Thank you for completing this prototype community self assessment for transportation resilience!

Feedback will be used to support final development.

Approved Reviewers

1. General Public Awareness
2. Local Emergency Management
3. Multi-Jurisdictional Planning
4. Transportation

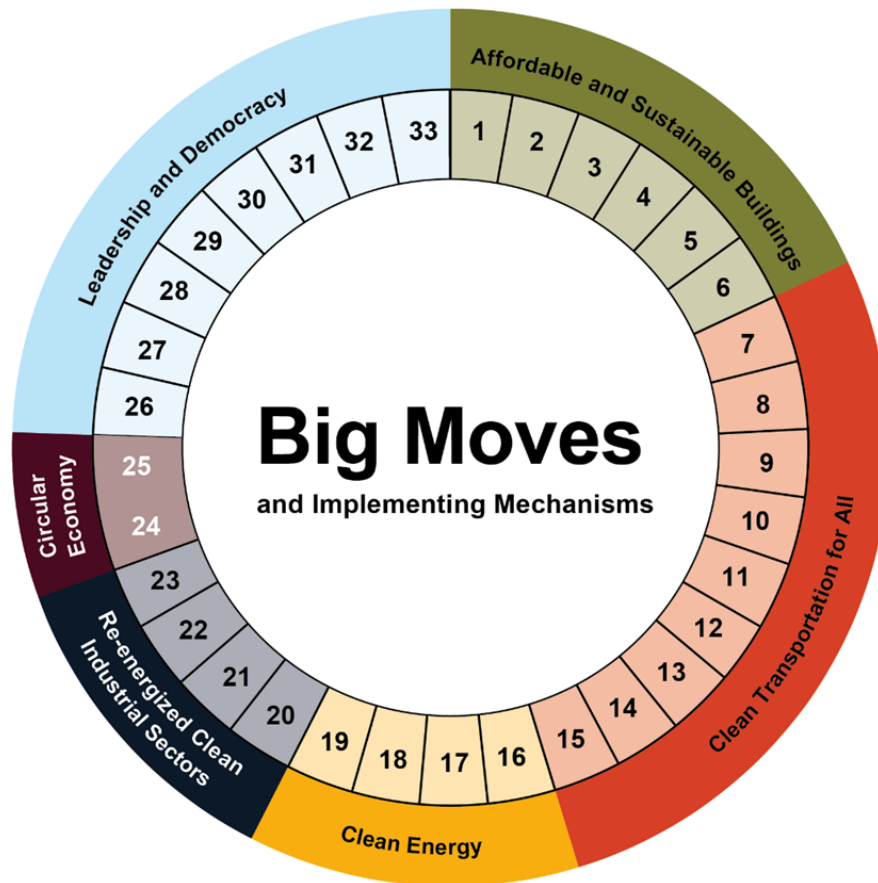
Additional Reviewers

- ☐ Not Involved
- ☐ Development
- ☐ Disaster
- ☐ Environment
- ☐ Transportation



Community-First Energy Plan Recommendations

Miami Valley Region / MVRPC Comprehensive Climate Action Plan

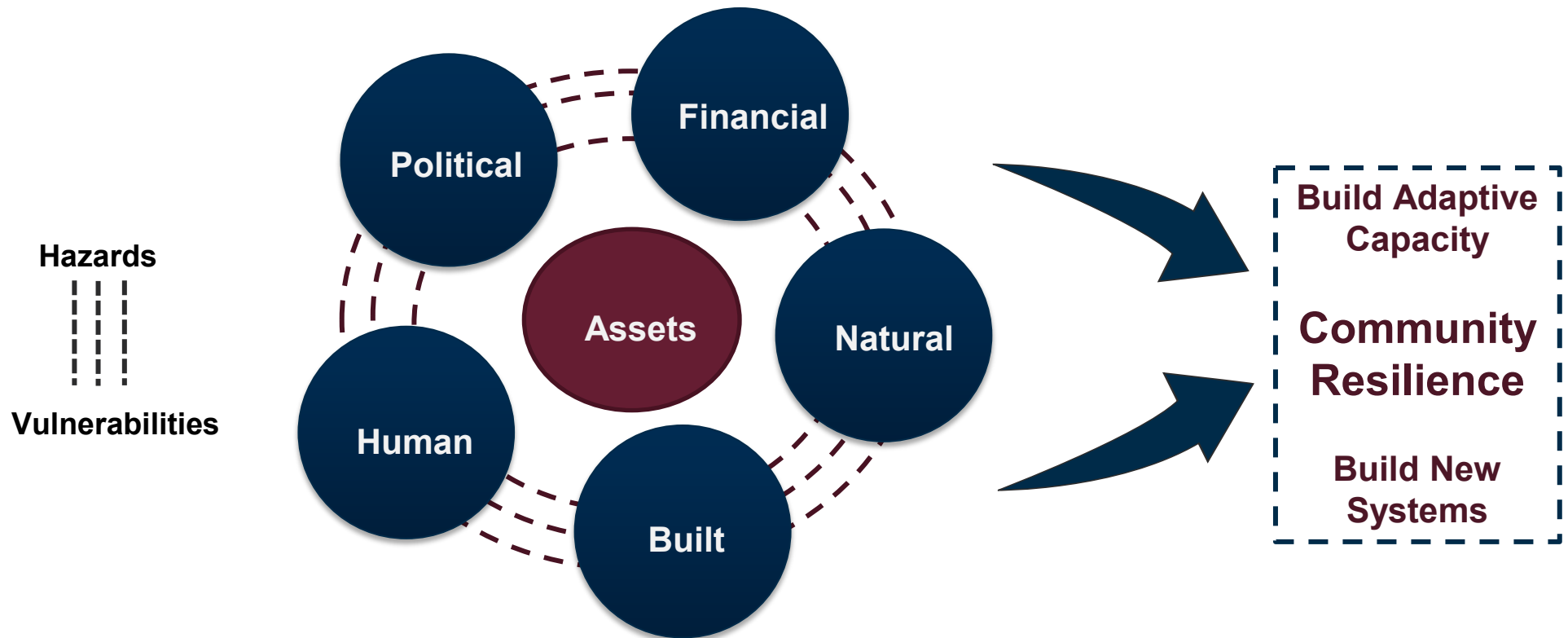


Implementing Mechanisms

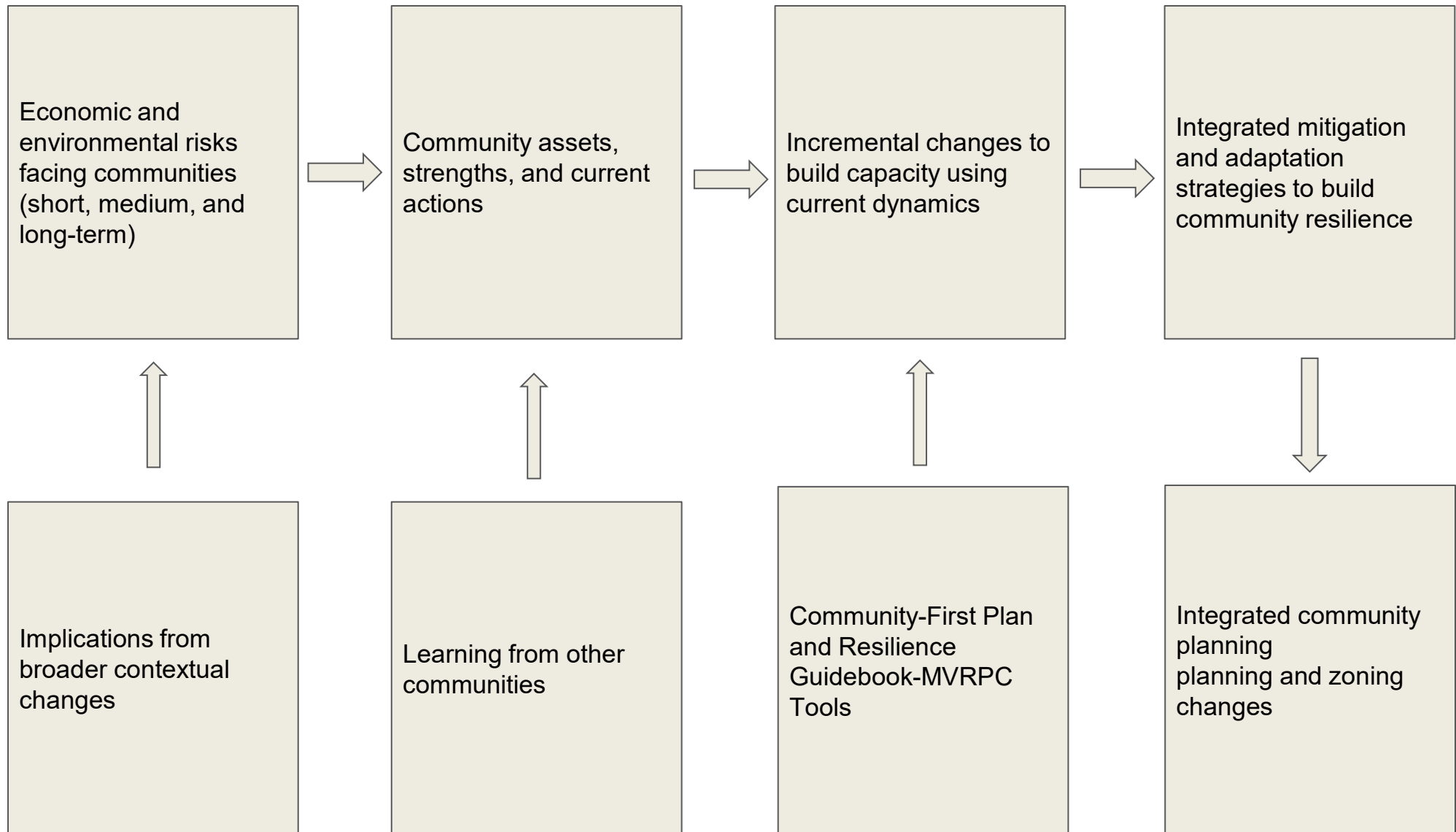
- | | |
|----|--|
| 1 | Green Development Standard |
| 2 | Retrofit Programs |
| 3 | Benchmarking Program |
| 4 | Building Performance Standard |
| 5 | Air Conditioner Replacement Program |
| 6 | Home Electrification Program |
| 7 | Clean Fleets |
| 8 | Clean Cars for All |
| 9 | Charging Infrastructure |
| 10 | Clean Freight Strategy |
| 11 | Regional Planning Initiative |
| 12 | Safe Streets for All |
| 13 | Mobility Hubs |
| 14 | Healthy Transportation Funding Program |
| 15 | Micromobility |
| 16 | Clean Electricity Aggregation Programs |
| 17 | SolSmart Program |
| 18 | District Energy in Dayton |
| 19 | Waste Energy Strategy |
| 20 | Renewable Energy Champions |
| 21 | Industrial Energy Innovation Partnership |
| 22 | Industrial Energy Innovation Partnership |
| 23 | Renewable Natural Gas |
| 24 | Zero Waste Campaign |
| 25 | Circular Economy Strategy |
| 26 | Green Bank |
| 27 | Coordinating Philanthropy |
| 28 | Municipal Leadership Program |
| 29 | Community Energy Planning |
| 30 | Citizens Climate Assembly |
| 31 | Miami Region Climate Action Commission |
| 32 | Challenge Teams |
| 33 | Annual Report |



Building Long Term Resilience

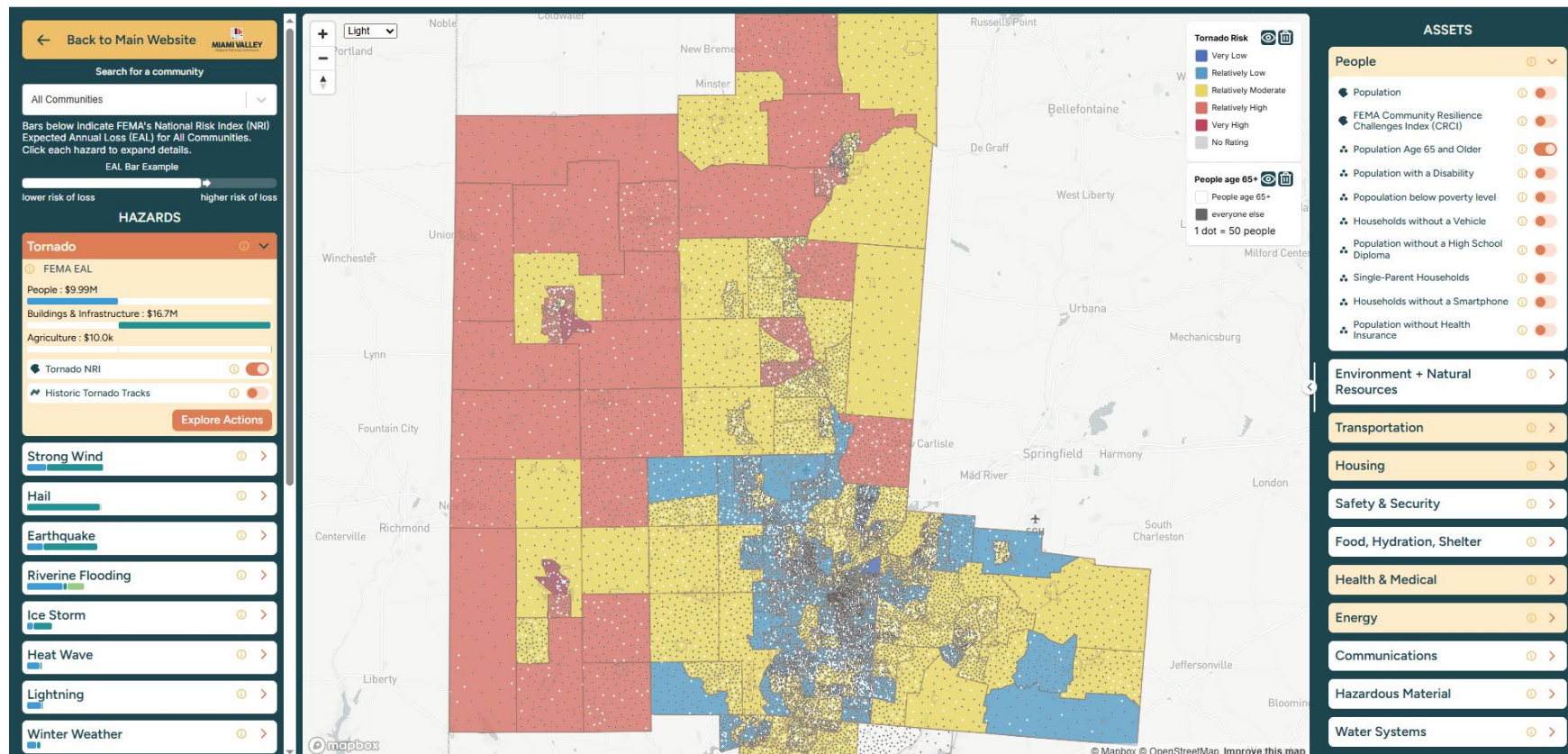


Building Long Term Resilience



Community Workshops

- What **economic and environmental** risks do you perceive impacting your communities within the context of climate change?
 - Currently, short-term, long-term





We Need Both

