

CONTACT

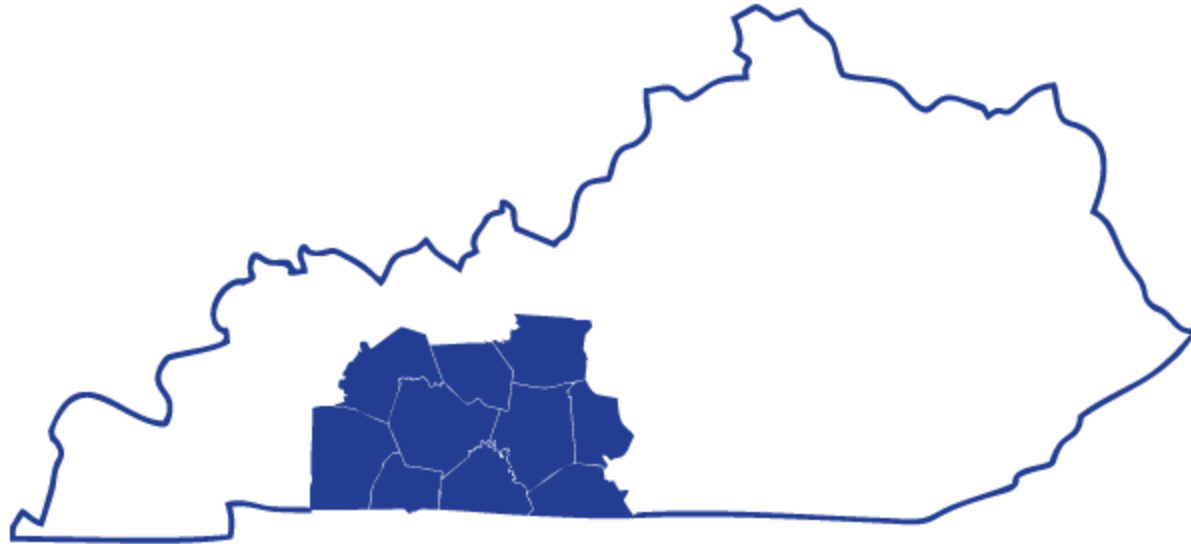
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PRODUCT

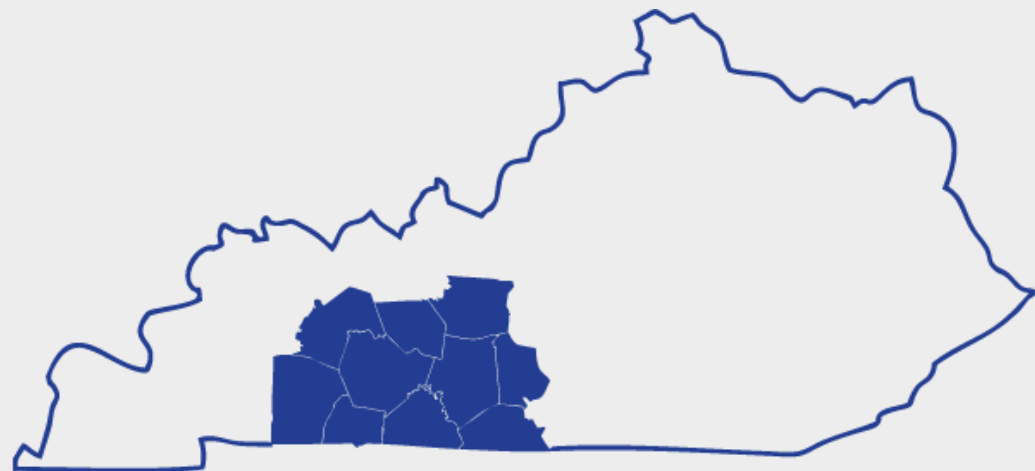
PROCESS

ABOUT

BARREN RIVER



AREA DEVELOPMENT DISTRICT



10
COUNTIES

25
CITIES

4000
SQUARE MILES

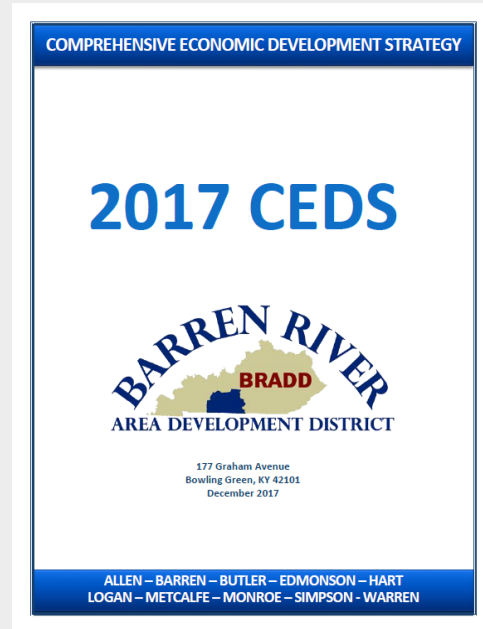


323k
POPULATION

2 REGIONAL PLANS

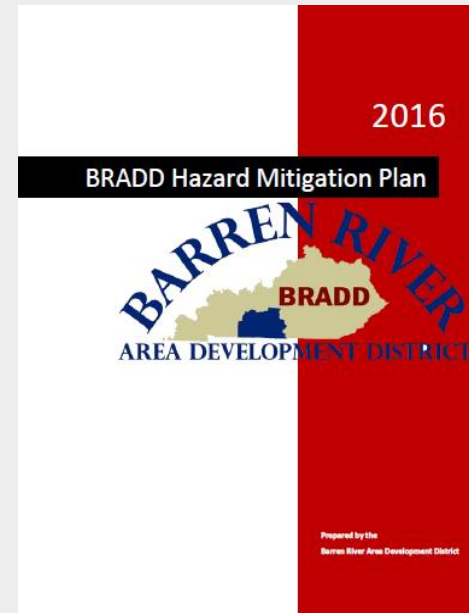
2 REGIONAL PLANS

CEDS



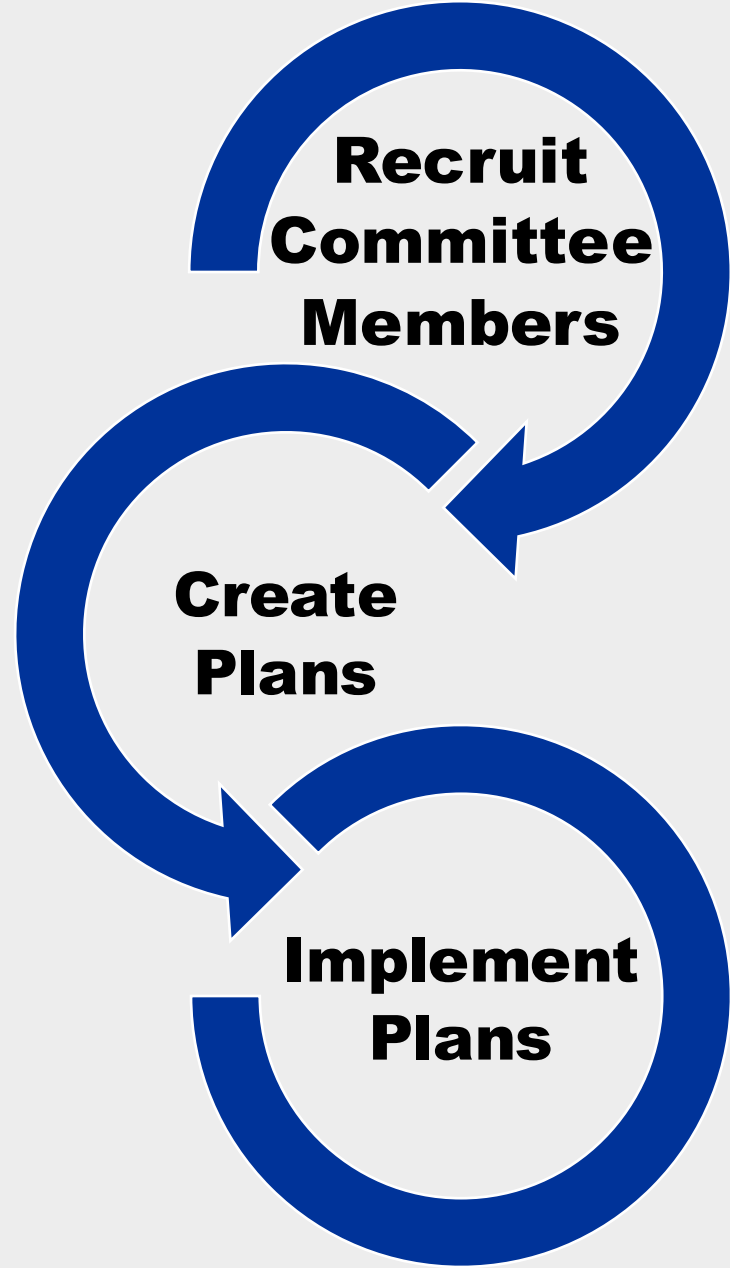
107
PAGES

HAZARD MITIGATION PLAN



765
PAGES

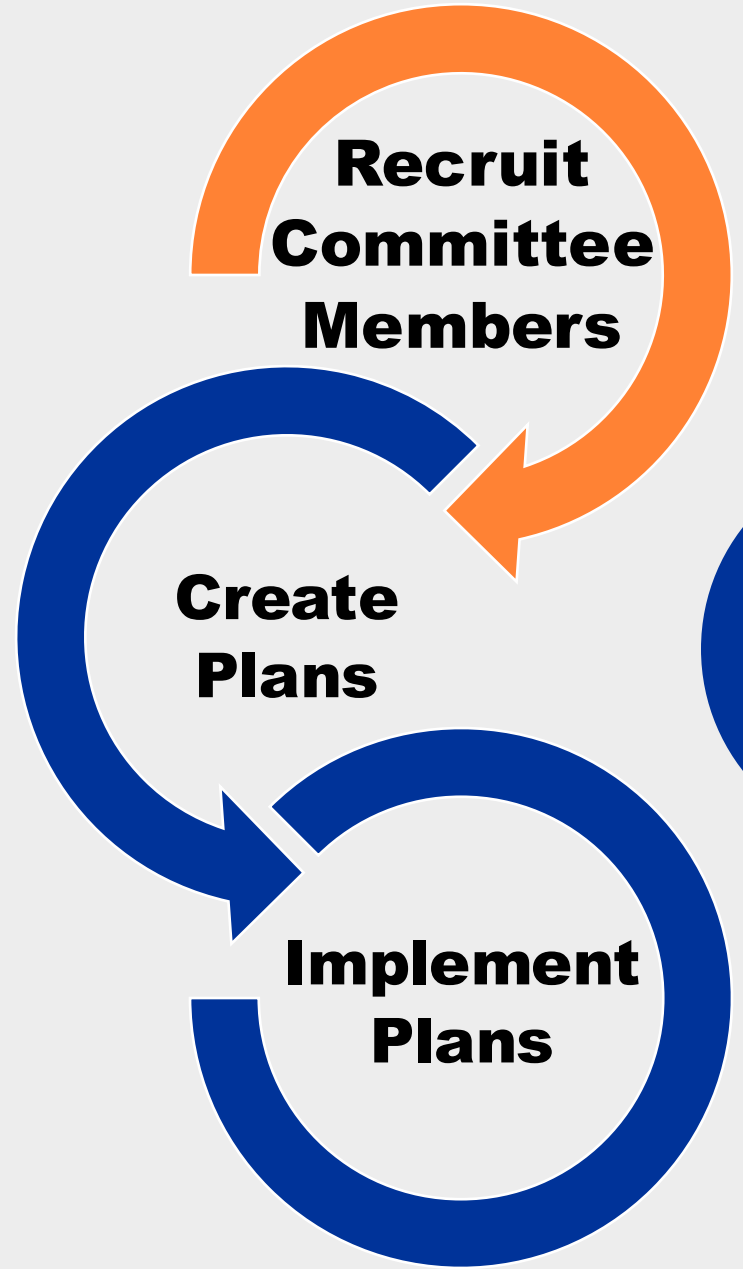
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PRODUCT



PROCESS
NEED



319
PARTICIPANTS





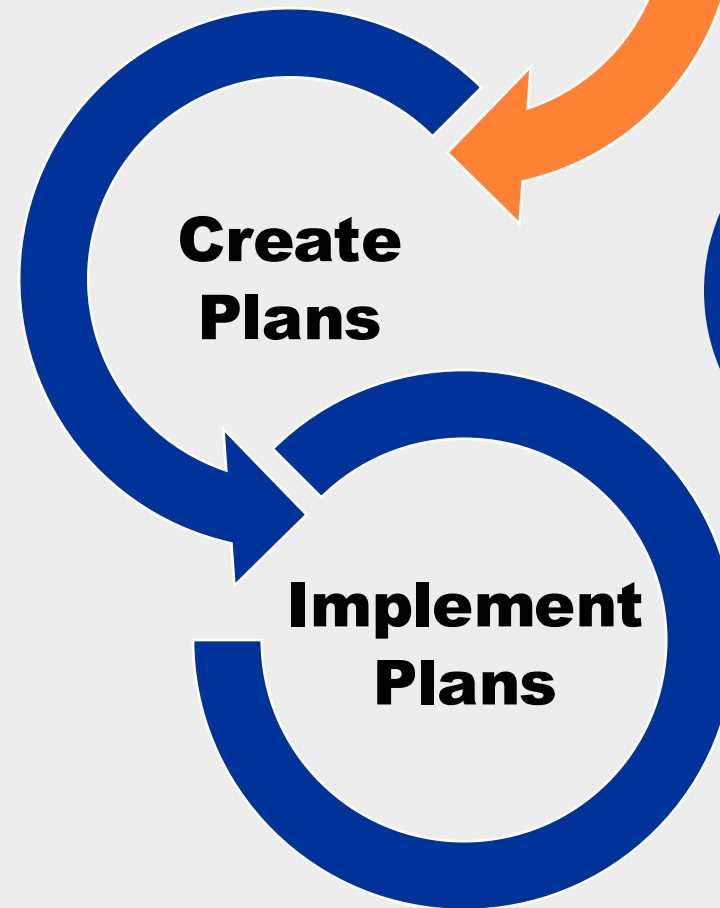
319

PARTICIPANTS



159

ORGANIZATIONS



PROCESS

NEED

CONTACT

STATUS

PRODUCT



319

PARTICIPANTS

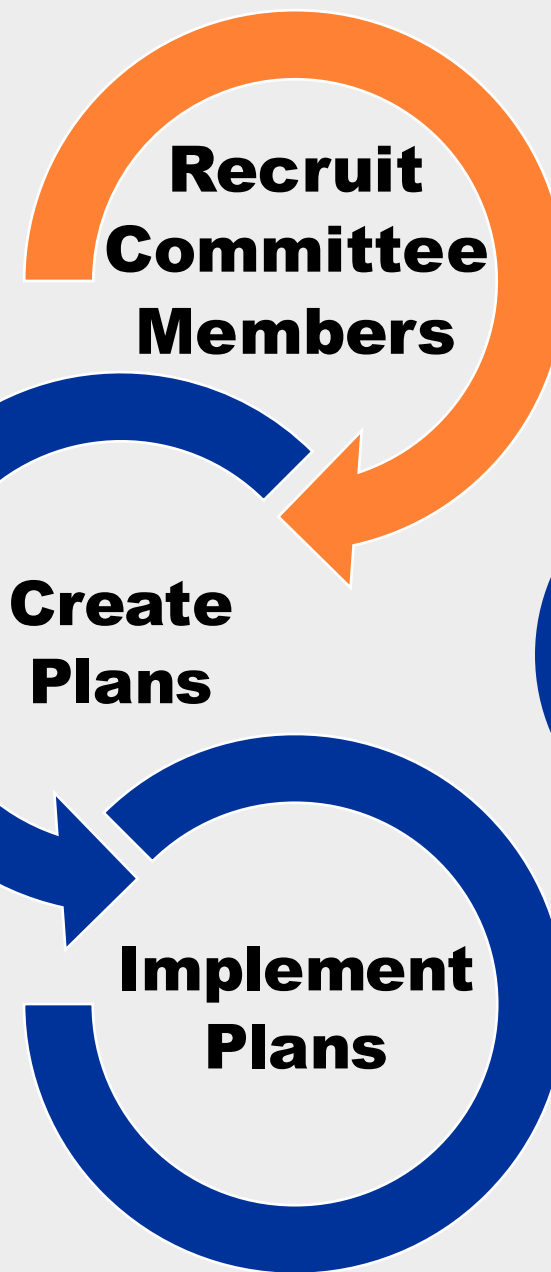


159

ORGANIZATIONS



**VOICE OF THE
COMMUNITY
MEETINGS**



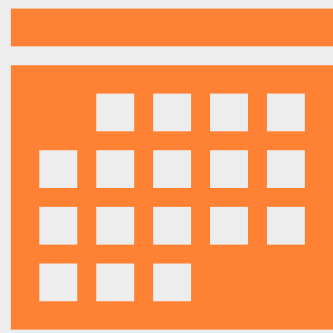
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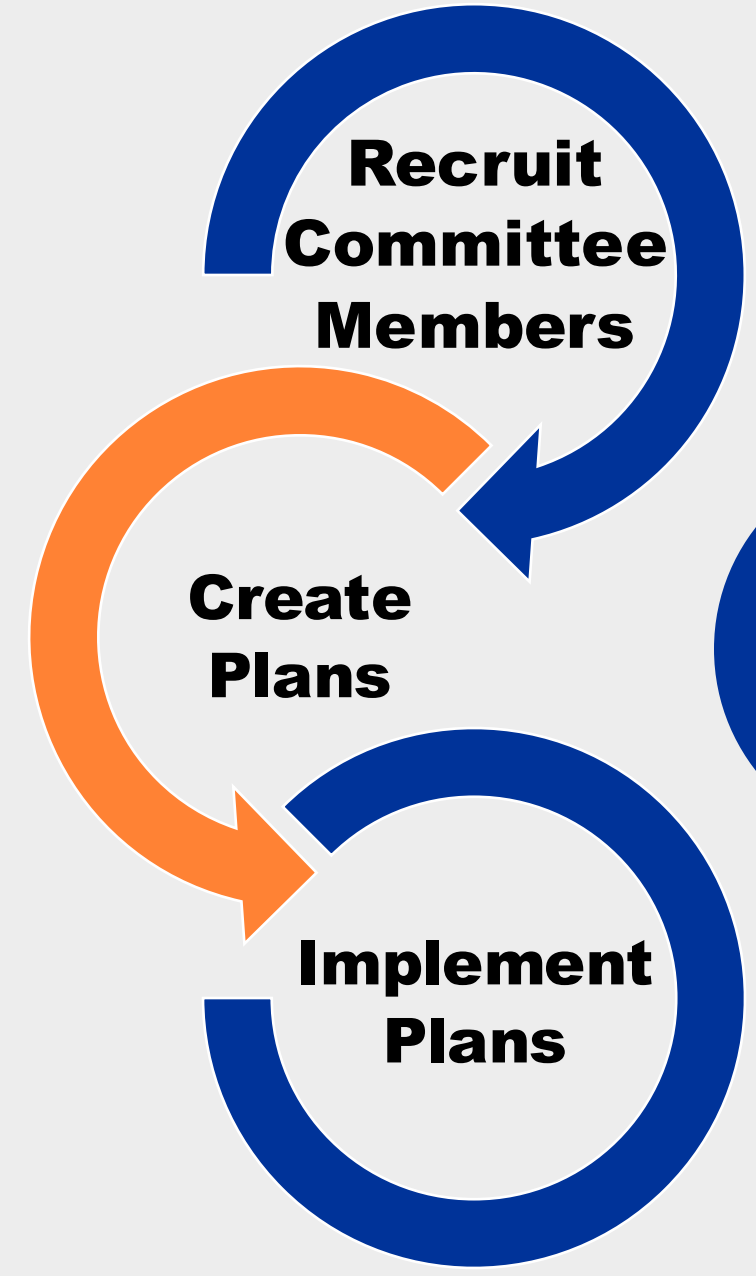
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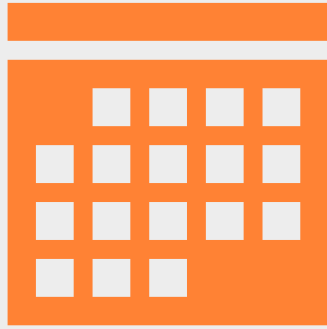
PROCESS

NEED



15
MONTHS





15

MONTHS

CONTACT

STATUS

PRODUCT

Months 1-5

- Virtual
- Information Gathering Sessions



Months 6-9

- Hybrid
- Evaluate Existing Plans
- Create Goals

Months 9-15

- In Person
- Enhance Objectives
- Prioritize Action Steps

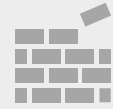


PROCESS

NEED



MONTHS
1-5



Identify Successes





MONTHS
1-5



Consider Critical Infrastructure



PROCESS
NEED



MONTHS
1-5



CONTACT

STATUS

PRODUCT



Review Hazards

PROCESS

NEED



MONTHS
6-9



Evaluate Existing Plans



PROCESS

NEED

CONTACT

STATUS

PRODUCT



MONTHS
6-9



Create Visionary Goals

CONTACT

STATUS

PRODUCT

PROCESS

NEED



MONTHS
6-9



11 CATEGORIES

CONTACT

STATUS

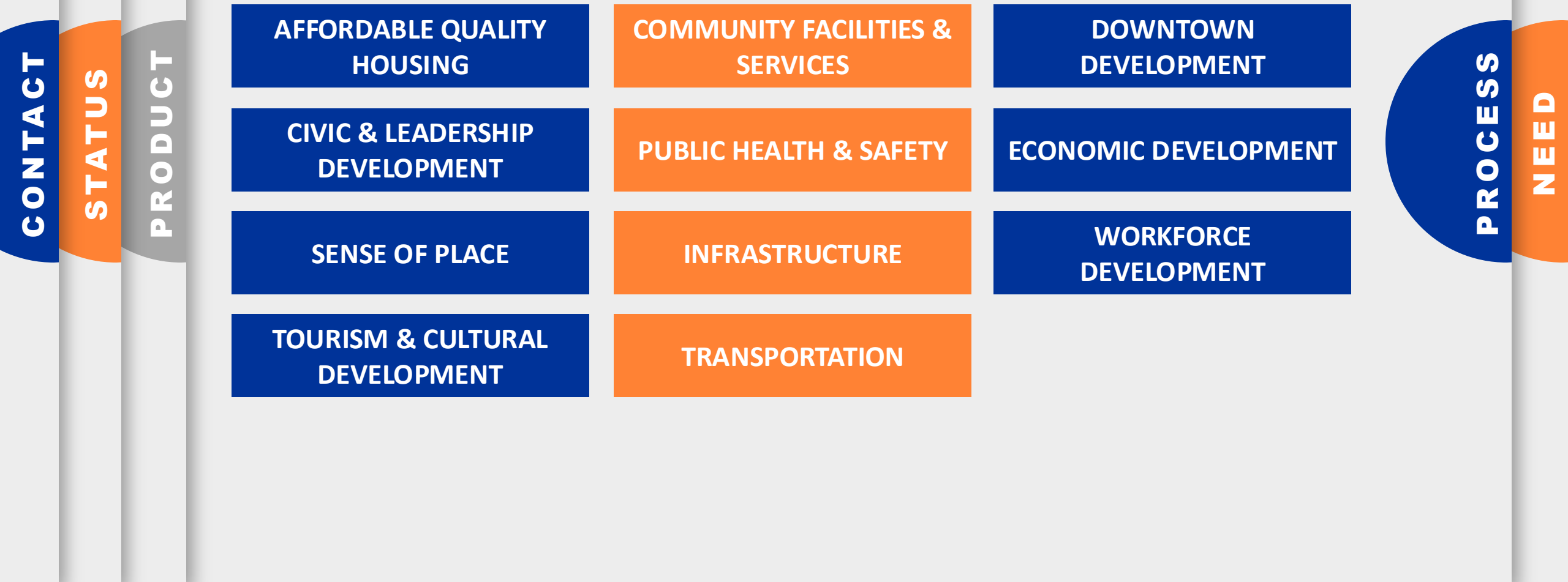
PRODUCT

PROCESS

NEED



MONTHS
6-9





MONTHS
6-9



CONTACT
STATUS
PRODUCT



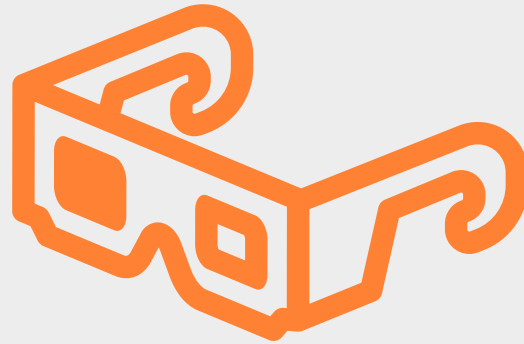
Set SMART Actionable Objectives

PROCESS
NEED



MONTHS

10-15



Enhance Objectives



NEED

CONTACT

STATUS

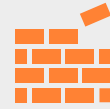
PRODUCT

PROCESS



MONTHS

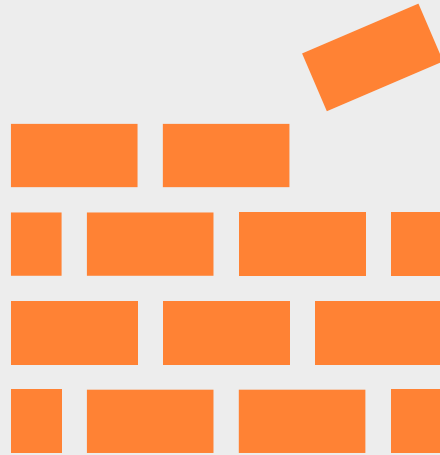
10-15



CONTACT

STATUS

PRODUCT



Identify Smallest Next Step

PROCESS

NEED



MONTHS

10-15



CONTACT

STATUS

PRODUCT



Prioritize Objectives

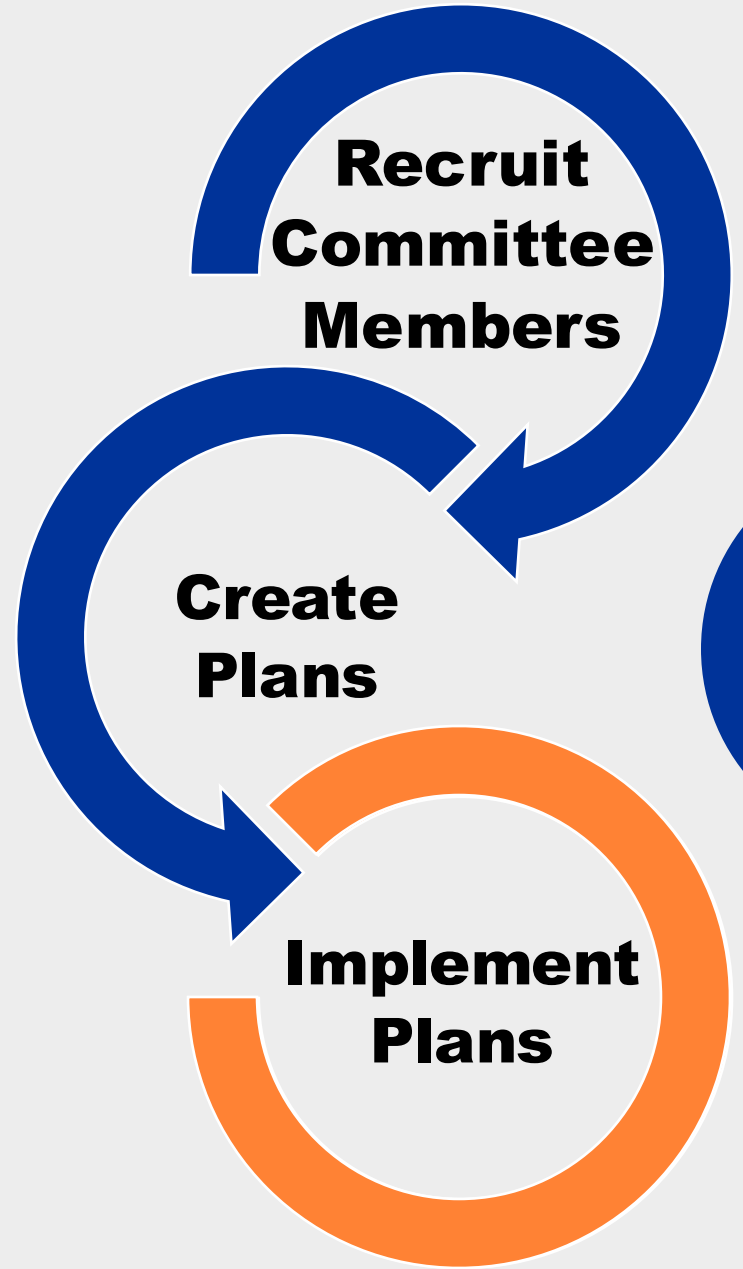
PROCESS

NEED

CONTACT

STATUS

PRODUCT



PROCESS

NEED



Engage New Partners
& Stakeholders



Continually
Revise/Adapt
Objectives



Report on Progress



**QUARTERLY
CHECK-IN
MEETINGS**

CONTACT

STATUS

PRODUCT

PROCESS

NEED

CONTACT
STATUS

BRADD Planning

CEDS ▾ COUNTY PLANS ▾ COUNTY STEERING COMMITTEES ▾ CONTACT US / PROVIDE FEEDBACK

Barren River Area Development District

Planning for a Stronger & Brighter Future in Southcentral Kentucky

ABOUT COUNTY TEAMS

BARREN RIVER AREA DEVELOPMENT DISTRICT

Hazard Mitigation Plan Regional Update

HOME ABOUT ▾ REGIONAL HAZARDS ▾

Search for...

GET INVOLVED

Regional Multi-Hazard Mitigation Plan

This site is used to assist BRADD in updating the Regional Hazard Mitigation Plan. Click below to learn more about the hazards in our area, or to get involved in the planning process.

LEARN MORE GET INVOLVED

BARREN RIVER AREA DEVELOPMENT DISTRICT PRESENTS A STRATEGIC PLAN FOR

ALLEN CO.

BARREN RIVER AREA DEVELOPMENT DISTRICT PRESENTS A STRATEGIC PLAN FOR

BUTLER CO.

BARREN RIVER AREA DEVELOPMENT DISTRICT PRESENTS A STRATEGIC PLAN FOR

BARREN CO.

BARREN RIVER AREA DEVELOPMENT DISTRICT PRESENTS A STRATEGIC PLAN FOR

HART CO.

BARREN RIVER AREA DEVELOPMENT DISTRICT PRESENTS A STRATEGIC PLAN FOR

LOGAN CO.

BARREN RIVER AREA DEVELOPMENT DISTRICT PRESENTS A STRATEGIC PLAN FOR

METCALFE CO.

BARREN RIVER AREA DEVELOPMENT DISTRICT PRESENTS A STRATEGIC PLAN FOR

SIMPSON CO.

BARREN RIVER AREA DEVELOPMENT DISTRICT PRESENTS A STRATEGIC PLAN FOR

WARREN CO.

MONROE CO.

ABOUT THIS PLAN

OVERVIEW OF STRATEGIC PLANNING

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City-Level Data • P. 8

Ships & Churches • P. 11

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NEED

STATUS

10 COUNTY-LEVEL STRATEGIC PLANS

PRODUCT

PROCESS

NEED

BARREN RIVER

**BARREN RIVER AREA DEVELOPMENT DISTRICT
Presents A STRATEGIC PLAN PDF**

AREA DEVELOPMENT DISTRICT

BARREN CO.

ABOUT THIS PLAN

BY BARREN RIVER AREA

Data presented in this Strategic Plan is meant to give context around the goals set forth by the Barren County Steering Committee. Steering Committee members utilized this information to identify the strengths, weaknesses, opportunities, and threats facing Barren County before setting goals and objectives to address identified areas.

Data has been gathered from multiple public sources including the US Census, US Bureau for Labor Statistics, Houshears Economics (Economic Profile System), and the KY Injury Prevention and Research Center, among others. All sources have been cited as appropriate.

OVERVIEW OF STRATEGIC PLANNING

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City-based Data v. 3

Growth & Outcomes v. 3

BARREN RIVER

EDMONSON CO. ECONOMIC DEVELOPMENT DISTRICT PRESENTS A STRATEGIC PLAN FOR

EDMONSON CO.

EDMONSON CO. ECONOMIC DEVELOPMENT DISTRICT

ABOUT THIS PLAN

ST. BARREN RIVER ADD.

Data presented in this Strategic Plan is meant to give context around the goals set forth by the Edmonson County Steering Committee. Steering Committee members used this information to identify the strengths, weaknesses, opportunities, and threats facing Edmonson County before setting goals and objectives around identified areas.

Data has been gathered from multiple public sources including the US Census, US Bureau for Labor Statistics, Headwaters Economics' Economic Profile System, and the KY Injuries Prevention and Research Center, among others. All sources have been cited, at appropriate.

OVERVIEW OF STRATEGIC PLANNING

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Goals & Objectives > P. 15



BARREN RIVER
AREA DEVELOPMENT DISTRICT

BARREN RIVER AREA DEVELOPMENT DISTRICT
PRESENTS A STRATEGIC PLAN FOR



METCALFE CO.

ABOUT THIS PLAN

BY BARREN RIVER A.D.D.

Data presented in this Strategic Plan is meant to give context around the goals set forth by the Metcalfe County Steering Committee. Steering Committee members utilized this information to identify the strengths, weaknesses, opportunities, and threats facing Metcalfe County before setting goals and objectives to address identified areas.

Data has been gathered from multiple public sources including the US Census, US Bureau for Labor Statistics, Headwaters Economics' Economic Profile System, and the KY Injury Prevention and Research Center, among others. All sources have been cited, as appropriate.

OVERVIEW OF
STRATEGIC PLANNING

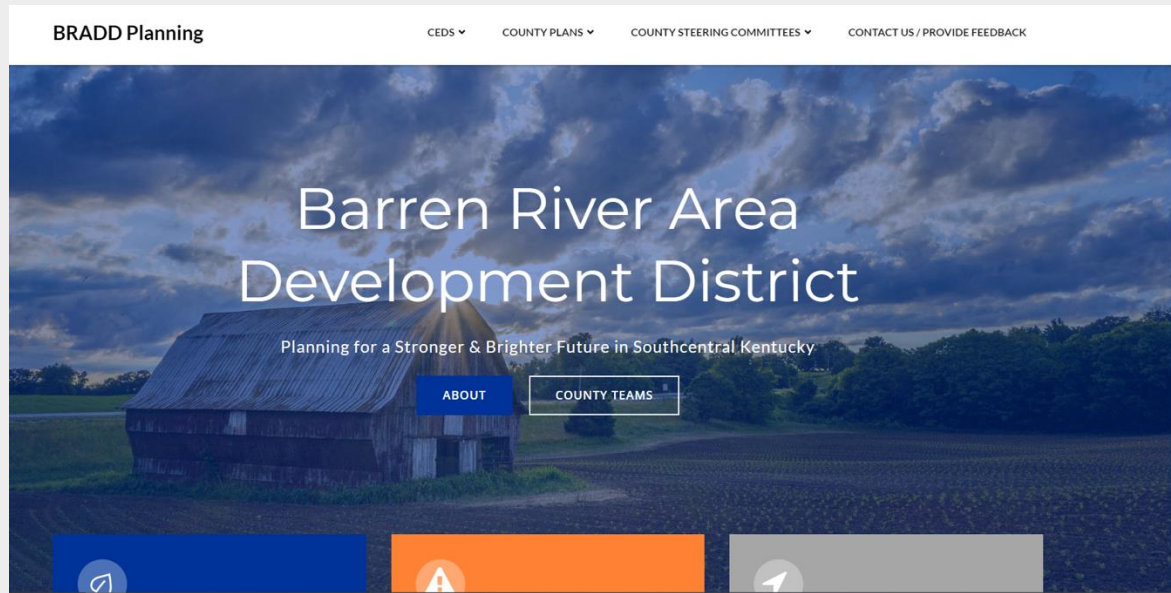
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Goals & Objectives > 16

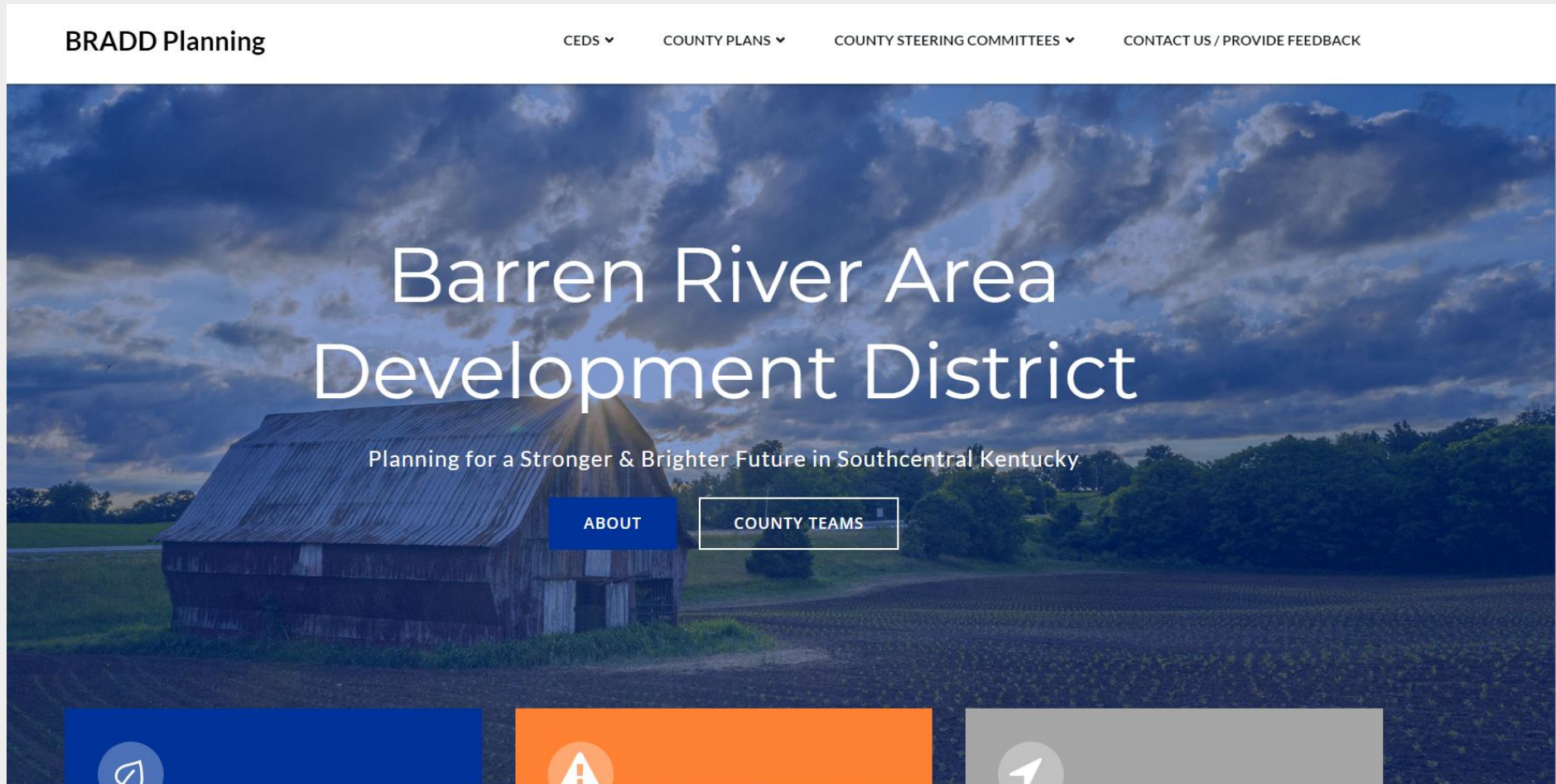
CONTACT
STATUS



PRODUCT
PROCESS
NEED



CEDS WEBSITE



CONTACT

FUTURE

PRODUCT

PROCESS

NEED



COUNTY DASHBOARDS

[CEDS](#)[COUNTY PLANS](#)[COUNTY STEERING COMMITTEES](#)[CONTACT US / PROVIDE FEEDBACK](#)

MONROE COUNTY DASHBOARD

Total Objectives

66

On Going Objectives 10

Completed Objectives 0

[VIEW ALL OBJECTIVES](#)

County Strategic Planning

In response to COVID-19, Monroe County took a holistic approach to resiliency planning at the grassroots level. Working with the Barren River Area Development District, the County began a year-long Community Strategic Planning Process in February 2021. Through that process, our local steering committees identified strategies and solutions that comprehensively tackle our county's vulnerabilities and leverage its strengths, while also preparing the community to withstand any shocks that may occur.

The overarching goal of this strategic planning process was to ensure any listed goals within our current planning efforts have actionable steps and are still relevant to our communities as well as incorporating new goals to strive toward. This process also allowed for safety nets to be built within internal community structures in order to limit exposure to threats and help our communities recover quickly should we undergo any form of major shock including natural disasters, loss of major employers, or other disruptions.

With the completion of our year-long planning process, our committee has been able to think critically about the many assets and strengths present in each of our communities and create goals around eleven key pillars including: Affordable, Quality Housing; Civic & Leadership Development; Downtown Development; Economic Development; Infrastructure; Public Facilities & Services; Public Health & Safety; Sense of Place; Tourism & Cultural Development; Transportation; and Workforce Development. During this process, the committee members also evaluated the impacts of potential hazards on each of these pillars, crafting mitigation strategies to protect our people and property from future events.

A summary of the community data points considered in the planning process can be found on the next few pages. This data was used as a foundation for understanding the current trends and possible needs throughout the county and each page contains a listing of data sources. Following the data, you will find a complete listing of the goals and objectives set forth by the committee. For a living, and up-to-date, listing of the goals and objectives, along with progress reports, please visit [planning.broad.org](#).

As our local steering committee continues to lead the progress of these goals, we encourage all county residents and stakeholders to join and participate in the completion of this work, ensuring a more resilient future for tomorrow.

Voice of the Community

Public input was vital throughout the planning process and multiple opportunities were presented to gather as much feedback as possible. Early on in the process, Barren River Area Development District (BRADD) distributed a series of surveys relating to hazard mitigation in Monroe County. Those surveys asked respondents questions regarding their knowledge of

COUNTY STEERING COMMITTEE

Monroe County's steering committee is composed of local individuals that have a vested interest in the future of the community and a passion for creating a better future for themselves and their neighbors. Our county recognizes that our well-being is not the responsibility of any one organization, or even one sector, but requires commitment and participation from all parts of the community. As such, the Monroe County Steering Committee includes: local elected officials; community opinion leaders; business owners and entrepreneurs; representatives from educational institutions; non-profits; older populations; and other community leaders.



STEERING COMMITTEE MEMBERS

The following community members are considered active Steering Committee members and have participated in at least one Monroe County Steering Committee Meeting from February 2021 to January 2022:

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Michael Boone, City of Tompkinsville Mayor
Harold Brown, City of Fountain Run
Lewell Carney, Citizens
Susan Clarkston, Monroe Co. Chamber of Commerce
Steve Curtis, Heart of Tompkinsville
Cory Fancher, KNSM
Garrett Graves, City of Tompkinsville Clerk
Bob Green, City of Ganoussville Mayor

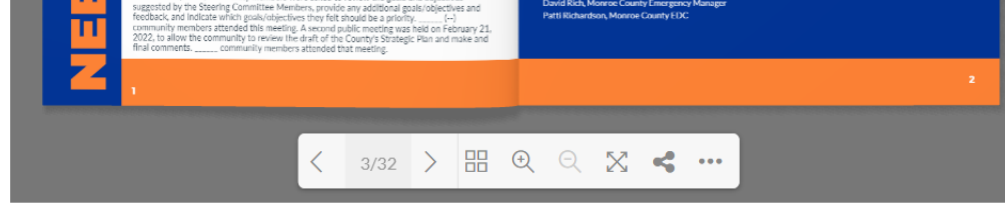
Sheila Rush, Citizens
Lesley Tade, Community Action County Coordinator
Amy Thompson, Monroe County School District
Lorelei Veach, Fountain Run Water District
Suzanne White, Citizens
Deanna York, Monroe Co. IDA

PRODUCT

PROCESS

NEED

FOR THE PLAN



Baseline Data

The following data points are used as baseline data to track trends across all 10 counties in the BRADD footprint. Data points are sourced from U.S. Census Bureau and 2019 American Community Survey 5-Year Estimates.

[LEARN MORE](#)

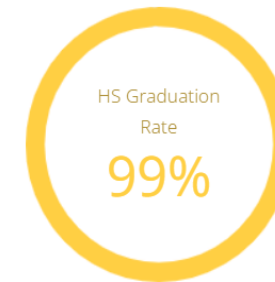
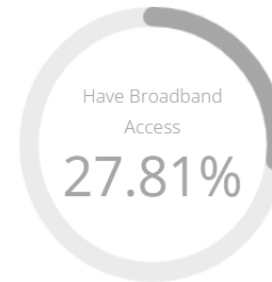
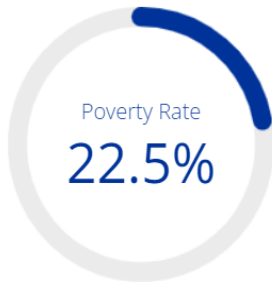
POPULATION
11,338



POPULATION CHANGE
FROM 2010
+3.42%



LIFE EXPECTANCY
72.4



MEDIAN HOUSEHOLD
INCOME



\$34,879

2020 TOURISM SPENDING



\$6.7
Million

WAGE GAP BETWEEN MEN
AND WOMEN WITH A
BACHELOR'S DEGREE OR
ABOVE



\$14,208

AVERAGE INCOME PER
PERSON



\$23,481



COUNTY DASHBOARDS

[CEDS](#)[COUNTY PLANS](#)[COUNTY STEERING COMMITTEES](#)[CONTACT US / PROVIDE FEEDBACK](#)

MONROE COUNTY DASHBOARD

Total Objectives

66

On Going Objectives 10

Completed Objectives 0

[VIEW ALL OBJECTIVES](#)

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Cory Fancher, KNSM
Garrett Graves, City of Tompkinsville Clerk
Bob Green, City of Ganoussville Mayor

Sheila Rush, Citizens
Lesley Tade, Community Action County Coordinator
Amy Thompson, Monroe County School District
Lorelei Veach, Fountain Run Water District
Suzanne White, Citizens
Deanna York, Monroe Co. IDA

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FOR THE PLAN

COUNTY OBJECTIVES

BRADD Planning

CEDS ▾

COUNTY PLANS ▾

COUNTY STEERING COMMITTEES ▾

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Monroe County Objectives

A complete listing of the Objectives set by the Monroe County Steering Committee is below and can be sorted, filtered, and downloaded as needed. This listing is kept current based on progress made toward these objectives by the Steering Committee. To learn more about the Monroe County Steering Committee, click [here](#).

On-Going Objectives


10/66

Completed Objectives

0/66

Upcoming Objectives

51

 Print  Excel  CSV  Copy

Show 10 ▾ entries

Search:

Category ▴	County Action # ▴	Action ▴	Start Date ▴	Due Date ▴	CEDS Goal ▴	Local Priority ▴	Lead Imple... ▴	Other Propos... Partners ▴	Potent... Funding Sources ▴	Status ▴
Category	County ...	Action	Start Da...	Due Date	CEDS G...	Local Pr...	Lead Im...	Other P...	Potenti...	Status
		Re-Monroe 60000 ...						Cities,		

CONTACT

STATUS

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Show 10 entries

Search:

Category ▲	County Action # ▲	Action ▲	Start Date ▲	Due Date ▲	CEDS Goal ▲	Local Priority ▲	Lead Imple... ▲	Other Propos... Partners	Potent... Funding Sources	Status ▲
Category	County ...	Action	Start Da...	Due Date	CEDS G...	Local Pr...	Lead Im...	Other P...	Potenti...	Status
Affordable, Quality Housing	Monroe H.1.1	By March of 2023, create a listing of existing housing that is unlivable or blighted for the purpose of identifying resources to assist with housing rehab or replacement.	02/01/...	03/01/...	H.4	High		Cities, County, Mike Turner, Housing Author...	Staff Time	
Affordable, Quality Housing	Monroe H.1.2	Within one month of the creation of the blighted housing list, begin identifying funding opportunities for the Housing Authority and other entities to update or rehab residential properties with the County.	04/01/...	04/01/...	H.4	High		Housing Author... Cities, County, BRADD	Local Funds, Other Funding Sources TBD	
Affordable, Quality Housing	Monroe H.1.3	Within six months of plan adoption, work with BRADD, Community Action, the Housing Authority, and other regional partners to host educational opportunities for renters and landlords.	02/01/...	06/01/...	H.4	Low		Housing Author... Comm... Action, BRADD	Private Invest... TVA, ARC, Comm... Action	
Civic and Leadership Development	Monroe L.1.1	By January of 2023, review any existing flood control standards (including the county's NFIP flood ordinance), zoning, and building requirements for the purpose of identifying gaps in those standards in order to reduce loss of life and property damage due to hazards.	02/01/...	01/01/...	PH.4	High		County, Cities, EM, Emerg... Service Agencies	Staff Time	
		By June of 2023, explore the requirements to participate in the						County,		



REGIONAL RESILIENCY TOOLKIT

BRADD Planning

CEDS ▾

COUNTY PLANS ▾

COUNTY STEERING COMMITTEES ▾

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COMMUNITY RESILIENCY TOOLKIT

Learn from *Local Successes*
and *Regional Strategies* as you
implement your Strategic Plan

As part of the 2022 Comprehensive Economic Development Strategy Update for the Barren River Area Development District Region, and in response to the COVID-19 pandemic, the Economic Development Authority requires development districts to take a look at resiliency as it applies to our communities. With this in mind, BRADD developed the below toolkit to provide a closer look at resiliency by category complete with resources for goal/objective implementation and local success stories.



Resources by Category

PRODUCT

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CONTACT

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Resources by Category

Below you will find a selection of success stories and best practices for communities to utilize as they implement their Strategic Plans.

We've sorted the resources into the same categories found in each Community's Strategic Plan for ease of use.



Affordable Housing is, put simply, housing that a household can obtain, while still having money left over for other necessities such as food, transportation, and health care.

Affordable, Quality Housing



Civic and Leadership Development are strategies that make a difference in the civic life of our communities and develop the combination of knowledge, skills, values, and motivation of our citizens and our leaders.

Civic & Leadership Development



Downtown development is the promotion of development, redevelopment, and revitalization of the central business districts and adjacent areas in a city.

Downtown Development



The main goal of economic development is improving the economic well-being of a community through job creation, job retention, and quality of life.

Economic Development



Infrastructure encompasses the basic physical and organizational structures and facilities needed for the



Public facilities and services are defined as institutional responses to basic human needs, and contribute to the



The Public Health & Safety sector encompasses an array of services and activities within the medical, public health, and



Sense of Place refers to a community's own identity. It is those often intangible aspects that make the community feel

PRODUCT

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RESILIENCY TOOLKIT

BRADD Planning

CEDS ▾

COUNTY PLANS ▾

COUNTY STEERING COMMITTEES ▾

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Civic & Leadership Development

Below you will find regional and county-level civic & leadership development goals, housing baseline statistics, success stories for communities making positive impacts in the civic & leadership realm, and resources for implementing best practices in your community.



Civic and Leadership Development are those items that work to make a difference in the civic life of our communities and develop the combination of knowledge, skills, values, and motivation of our citizens and our leaders.

Through this pillar, we aim to assist our communities in developing leadership skills and programs for engaging both citizenry and local leaders in community and economic development

Regional Goals

County-Level Goals

Civic & Leadership Development Objectives

Show 5 ▾ entries

Search:

CEDS

Goal #

Goal ▲

CONTACT

STATUS

PRODUCT

PROCESS

NEED



Civic and Leadership Development are those items that work to make a difference in the civic life of our communities and develop the combination of knowledge, skills, values, and motivation of our citizens and our leaders.

Through this pillar, we aim to assist our communities in developing leadership skills and programs for engaging both citizenry and local leaders in community and economic development.

Throughout the Regional Community Strategic Planning Process conducted as part of BRADD's 2022-2027 Comprehensive Economic Development Strategy, each of BRADD's 10 counties set goals and objectives address civic & leadership development needs in their communities. Additionally, BRADD has several regional goals targeting civic & leadership development. A summary of both the regional goals and county goals and objectives can be found in the tabs to the right.

- Regional Goals
- County-Level Goals
- Civic & Leadership Development Objectives

Show 5 entries Search:

County Action # ▲	Action ▲
Coun...	Action
Allen L.1.1	By Spring of 2023, work with the school system, Scottsville Rotary Club, Interact Clubs, and local media to host a training for county civic organizations on "telling their story" to increase local youth engagement and establish a regular promotion that highlights the activities and mission of Allen County civic organizations, such as success stories.
Allen L.1.2	By August of 2023, develop a civic leadership curriculum for high school students to further promote local opportunities.
Barren L.1.1	By December of 2022, form a housing committee to educate the public on available public housing options, conduct a comprehensive review of building codes and ordinances for the county & each city, and to explore methods to increase housing stock throughout the county. (Also Supports H.1.1)
Barren L.1.2	By July of 2024, the committee will develop an information guide for the public and local officials on existing building codes in the county and each incorporated city, to make it more accessible to the community and builders.
Barren L.2.1	By December of 2022, form a Hazard Mitigation Awareness Committee to develop a Public Outreach Plan for educating citizens on disaster preparedness and hazard mitigation strategies, including but not limited to storm alert systems and educating citizens on the locations of storm shelters throughout Barren County.

goals and county goals and objectives can be found in the tabs to the right.

BRADD L.5	Support and promote diverse and equitable practices, planning, and decision-making in the BRADD region.
-----------	---

Showing 1 to 5 of 9 entries (filtered from 53 total entries)

« < 1 2 > »

Civic & Leadership Development at a Glance

BRADD tracks regional data points across multiple categories, including civic & leadership development. A snapshot of civic engagement in the region is displayed here.

28.1%

KY RESIDENTS
VOLUNTEER THEIR TIME

15.9%

KY RESIDENTS DO
SOMETHING POSITIVE
FOR THE NEIGHBORHOOD

\$2.3B

ESTIMATED WORTH OF
VOLUNTEER SERVICE IN
KY

50.9%

KY RESIDENTS DONATE
MORE THAN \$25 TO
CHARITY



LOCAL SUCCESS

City of Scottsville: Mayor's Podcast

You can listen to a podcast anywhere, which is one reason Burch thinks they are so popular. Because of this, Mayor David Burch decided that a podcast would be the perfect platform to share news and information with the City of Scottsville.

[READ MORE](#)



LOCAL SUCCESS

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[READ MORE](#)

Additional Resources

For more ideas, tools, and and example projects check out the links below.

CIVICCON: EMPOWERING PENSACOLA THROUGH CIVIC CONVERSATIONS



Building a Civic Education Program in Your Community

This 23-page guide brings ideas from the nation's leading

MAYORS INNOVATION PROJECT



7 Steps to Municipal Resilience & Recovery

This 10-page PDF file outlines seven essential steps to take, all proved, with real-world

HARVARD BUSINESS REVIEW



Understanding Leadership Article

In this publication series from CEDIK, researchers examine issues around housing in Kentucky. Including: Housing Availability, Trends, and Commuting Patterns. CEDIK also provides profiles for each

SERVE KENTUCKY

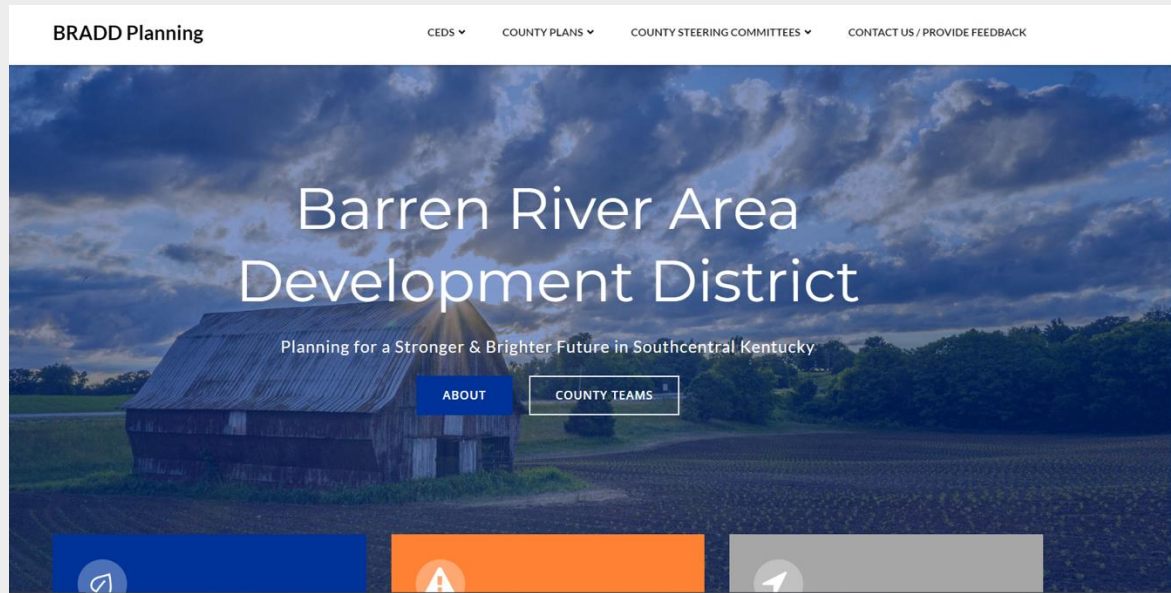


Nonprofit Capacity Building

This website provides numerous resources for building nonprofit capacity within the Commonwealth

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REGIONAL HAZARD MITIGATION PLAN WEBSITE

BARREN RIVER
AREA DEVELOPMENT DISTRICT

Hazard Mitigation Plan
Regional Update

HOME ABOUT REGIONAL HAZARDS

Search for...

GET INVOLVED

Regional Multi-Hazard Mitigation Plan

This site is used to assist BRADD in updating the Regional Hazard Mitigation Plan.
Click below to learn more about the hazards in our area, or to get involved in the planning process.

LEARN MORE **GET INVOLVED**

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Karst / Sinkhole

Table of Contents

- Background and Extent
- Location
- Past Events
- Probability
- Vulnerability & Impact
- Hazard Vulnerability Summary Analysis

Karst refers to a type of topography formed in limestone, dolomite, or gypsum by dissolution of these rocks by rain and underground water, and is characterized by closed depressions or sinkholes, and underground drainage. During the formation of karst terrain, water percolating underground enlarges subsurface flow paths by dissolving the rock. As some subsurface flow paths are enlarged over time, water movement in the aquifer changes character from one where ground water flow was initially through small, scattered openings in the rock to one where most flow is concentrated in a few well developed conduits. As the flow paths continue to enlarge, caves may be formed and the ground water table may drop below the level of surface streams. Surface streams may then begin to lose water to the subsurface. As more of the surface water is diverted underground, surface streams and stream valleys become a less conspicuous feature of the land surface, and are replaced by closed basins. Funnels or circular depressions called **sinkholes** often develop at some places in the low points of these closed basins.

Background and Extent

Types of Sinkholes

Solution Sinkholes are formed by the weathering by dissolution of exposed soluble bedrock (limestone, dolomite, marble, and rock salt) at the land surface. Surface water collects in the natural depressions and slowly dissolves a sinkhole.

Collapse Sinkholes form when the surface materials suddenly sink into a subsurface cavity or cave. Cavities form slowly over time as groundwater moves along fractures in soluble bedrock which enlarges them through dissolution. Collapses may occur when the cavity gets sufficiently large and the "roof" becomes too thin to support the weight of any overlying rock or sediment causing the cavity to collapse; or if groundwater levels are lowered causing the overlying sediment to first erode and then collapse into the dewatered cavity.

Subsidence Sinkholes - Similar to solution sinkholes, except the soluble bedrock is covered by a thin layer of soil and/or sediment. Surface water infiltration dissolves cavities where the bedrock is most intensely fractured resulting in the overlying sediment to gradually move downward into the expanding cavity. Sinkhole collapse is the hazard most commonly associated with karst. This hazard occurs in the soil that lies on top of soluble bedrock.

Why Do Sinkholes Collapse?

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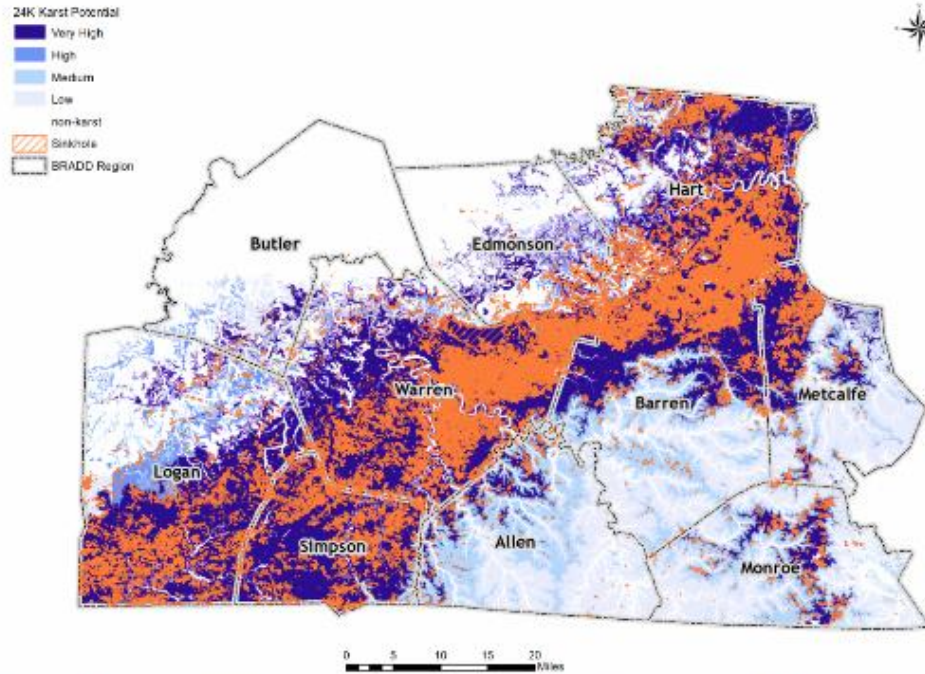
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Location



Karst related hazards happen quickly and without warning. However, scientists have mapped a large portion of the BRADD region to determine where these hazards are most likely to occur. A snapshot of this mapping is located above. To view a fully interactive map and explore sinkholes by jurisdiction, click on the link below.

[Interactive sinkhole Dashboard](#)

Past Events

In February of 2014, the BRADD Region received national attention after the floor of the Corvette Museum in Bowling Green collapsed into a 30-foot deep sinkhole. At the time of the collapse, the damage to the facility and the eight corvettes that succumbed to the sinkhole was estimated at \$3.2 million.

Other notable past events include a significant sinkhole collapse in 2002 on Dishman Lane in Bowling Green. Extensive repairs to the road cost \$1 million.

More recently, after three days of extensive rainfall and flooding in 2021, a number of sinkholes occurred across farmland in Hart County. On one Hammonsville farm, a new 8 foot by 8 foot sinkhole appeared near an existing sinkhole. Additionally, the existing sinkhole grew as a result of rainfall accumulation. New and exacerbated sinkholes on farmland pose a risk to livestock; a calf had to be rescued from the aforementioned sinkhole after falling

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Probability

The dashboard linked below shows karst potential in the BRADD Region. Sinkholes are a quintessential feature of karst terrain, and the presence of karst terrain significantly increases a community's risk to sinkholes. Moderate sinkhole or subsidence potential is defined as karst terrain where sinkholes have not presented themselves. Major sinkhole or subsidence potential is defined as karst terrain where 1-9 sinkholes per square kilometer have been recorded in the past. As shown below, moderate and major karst potential is present in all BRADD counties. This, in part, is due to the many cave systems prominent throughout the region.

[Interactive Karst Dashboard](#)

Overall Probability

Overall, the BRADD Region ranks the probability of sinkhole occurrence as highly likely because of the extensive number of sinkholes identified in the region and moderate to high karst potential in each county. This was determined using the classification definitions outlined by FEMA ([click here for more information](#)).

Vulnerability & Impact

+ Built Environment

+ Natural Environment

+ Social Environment

+ Changing Climate and Sinkholes

Hazard Vulnerability Summary Analysis

Overall, the BRADD Region and its counties experience **moderate vulnerability** to sinkholes with some past events having caused serious property damage.

While this analysis applies to all BRADD Counties, it should be recognized that some counties, especially Hart, Edmonson, Simpson, and Warren, are more

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Vulnerability & Impact

+ Built Environment

+ Natural Environment

+ Social Environment

— Changing Climate and Sinkholes

There is an expected impact on sinkholes due to climate change. Increasing temperatures will likely affect hydrologic processes, enhance dissolution of limestone, and promote soil failure. It was found in one study that with every increase of 0.2°F in global temperature, there is a 1-3% increase in the number of sinkholes, thus, there is a high possibility that an increase in sinkholes is due to climate change. With an increase in intense rain events, there could also be an increase in sinkholes opening due to runoff and undermining of soil.

Most of the BRADD region has major or moderate karst potential.

Potential impacts include:

- Damage to roads and property
- Displacement of residents
- Transportation issues (traffic, blocked routes)
- Economic loss due to changes in development patterns or sinkholes/flooding

Working with **AT&T's Climate Resilient Communities Program** and the **Climate Risk and Resilience (ClimRR) Portal**, BRADD identified additional opportunities for hazard mitigation action items associated with climate impacts for Karst Landscapes in the Barren River Region. To view an interactive report of these findings, [click here](#).

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REGIONAL CLIMATE PROJECTIONS

Barren River Area Development District Climate Projections



Barren River Area Development District Climate Projections

Blythe Johnston
July 1, 2024

[Background for the HMP](#) [Water-level changes in stream ...](#) [Potential Drought Conditions](#) [Extreme Cold](#) [Summer Heat Index](#) [Wind](#) [Severe Weather](#) [Karst, Precipitation, and Floo...](#) [Social Data for Contextualizin...](#)

Background for the HMP

In the maps below you will find climate data that is available for the entire continental United States via ClimRR, the Climate Risk and Resilience Portal. ClimRR provides peer-reviewed climate datasets in a nontechnical format and puts high-resolution, forward-looking climate insights into the hands of those who need them most. Community leaders and public safety officials can now understand how changing climate risks will affect the populations they serve. Access to this information will assist leaders as they strategically invest in infrastructure and response capabilities to protect communities for future generations. ClimRR has been made publicly available to support the American AT&T and FEMA in order to enable greater climate resilience

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1272 **TOTAL OBJECTIVES** **(176 + 1096)**
REGIONAL OBJECTIVES **COUNTY OBJECTIVES**



285
COMPLETED OBJECTIVES

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REGULAR REGIONAL TRAINING OPPORTUNITIES



QUARTERLY STEERING COMMITTEE MEETINGS



@BarrenRiverADD



planning.bradd.org



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