

FY 2023 Update
Regional Development Plan
Region III – Boone, Clay, Kanawha & Putnam Counties



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I. Introduction and Purpose of the Regional Development Plan (RDP)

The FY 2023 Regional Development Plan (RDP) update serves as a report on various topics, including the Regional Intergovernmental Council structure and programs and a description of the area and its economy.

1. Description of recent trends in the regional economy.
2. Description of progress over the past year.
3. Updated Regional Development Program for this fiscal year.



II. The Regional Planning and Development Council Organization



Within the Regional Intergovernmental Council

<i>COMMUNITY</i>	<i>REPRESENTATIVE</i>
Boone County Commission	Brett Kuhn
Clay County Commission	Connie Kinder
Kanawha County Commission	W. Kent Carper
Putnam County Commission	Andy Skidmore
Town of Bancroft	Jami Echols Hayes
Town of Belle	David Fletcher
Town of Buffalo	Conrad Cain
Town of Cedar Grove	Melissa Young
City of Charleston	Amy Shuler Goodwin
Town of Chesapeake	Melissa Hill
Town of Clay	Josh Shamblin
Town of Clendenin	Kay Summers
Town of Danville	Mark McClure
City of Dunbar	Scott E. Elliott
Town of East Bank	Charles A. Blair, II
Town of Eleanor	Cam Clendenin
Town of Glasgow	Donald Fannin
Town of Handley	Essie Ford, Jr.
City of Hurricane	Scott Edwards
City of Madison	James “Buddy” Hudson
Town of Marmet	David T. Fontalbert
City of Nitro	Dave Casebolt
Town of Poca	William Jones
Town of Pratt	Ramon Williams
City of St. Albans	Scott James
City of South Charleston	Frank Mullens
Town of Sylvester	Harvey Ferrell
Town of Whitesville	Fred V. Harless, Jr.
City of Winfield	Randy Barrett
Boone County Citizens Representative	Kris Mitchell
Clay County Citizens Representative	Barry McCune
Kanawha County Citizens Representative	Melissa Smith
Putnam County Citizens Representative	Mark A. Stolle, Jr.
City of Charleston Citizens Representative	Andy Backus
RIC Minority Representative	Oree Banks
RIC Minority Representative	Coston Davis, Jr.
Private Sector Representative (Education)	Russell Saunders, BridgeValley CTC
Private Sector Representative	Joy Underwood, Coal River Inn
Private Sector Representative (Workforce Development)	S.K. Miller, Verizon Mid-Atlantic (Retired)
Private Sector Representative (Kenneth Kinder, E.L. Robinson Engineering
Private Sector Representative (Chamber of Commerce)	Andrew Dunlap, Charleston Area Alliance
Private Sector Representative (WVDOH)	Brian Carr, WV Department of Transportation
Private Sector Representative (KVRTA)	Curt Zickafoose, KVRTA
Private Sector Representative	Charles Mays, Faith Based-Community Service
Private Sector Representative (Labor)	Eric Sharp, Labor Employees Coop. Trust
Private Sector Representative (Education)	Ericke S. Cage, J.D., LL.M., WV State University
Private Sector Representative	Morganne Tenney, Putnam Co. Dev. Authority
Private Sector Representative	Clark McCoy, WV Regional Technology Park



RIC Staff

Executive Director

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Project Coordinator

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Senior Transportation Planner

Samuel Richardson

Transportation Planner

Jake Smith



RIC Officers

Chairman

Dave Casebolt
Mayor, City of Nitro

1st Vice-Chairman

David Fletcher
Mayor, Town of Belle

2nd Vice-Chairman

Kris Mitchell
Boone County Citizen Representative

3rd Vice-Chairman

S.K. Miller
Private Sector Representative

Secretary

Coston Davis
Minority Representative

Treasurer

Connie Kinder
Commissioner, Clay County Commission



Mission, Structure and Programs

Mission

The Boone-Clay-Kanawha-Putnam Regional Intergovernmental Council (RIC) was established in 1970 as a voluntary association of local governments. In 1971, it was designated by then Governor Arch Moore as West Virginia Region III, one of eleven such councils in West Virginia. RIC is committed to promoting economic, environmental, educational, cultural, and recreational growth in Boone, Clay, Kanawha, and Putnam counties.

RIC’s policy board is comprised primarily of representatives of 25 municipal and four county governments in the Region. The board acts as a forum for discussing mutual problems and dealing with issues that transcend political boundaries. The RIC staff works for all 29 units of government by assisting with multijurisdictional issues.

The general purpose of the Council as stated in its by-laws is as follows:

“The Council is organized and shall be operated as a cooperative organization of local governments for the promotion of public health, safety and welfare by providing improved public services and facilities, advancing the business prosperity and economic welfare and achieving a satisfactory level of living for the citizens of the area served by the Council.”

Structures

The Regional Intergovernmental Council (RIC) was formally organized in November 1971. RIC’s policy board has 48 members representing 29 local governments and 19 community representatives. The municipalities in this region are as follows:

- | | |
|------------|------------------|
| Bancroft | Belle |
| Buffalo | Cedar Grove |
| Charleston | Chesapeake |
| Clay | Clendenin |
| Danville | Dunbar |
| East Bank | Eleanor |
| Glasgow | Handley |
| Hurricane | Madison |
| Marmet | Nitro |
| Poca | Pratt |
| St. Albans | South Charleston |
| Sylvester | Whitesville |
| Winfield | |

Each political unit, including the 25 municipalities and 4 counties, through its chief elected official, has one vote on all council business. The 19 community representatives also have one vote each.



The West Virginia State Legislature is divided into two houses: the Senate and the House of Delegates. Although the Senate and House members do not directly participate in the official business of RIC, a discussion of our Region’s representation is pertinent since legislature policies influence the direction of RIC activities.

Seventeen state senatorial districts elect two representatives to serve four-year terms. Forty state delegate districts are designated, electing 100 delegates for two-year terms. The following districts are included in RIC’s region:

Boone County House Districts – 23 & 24

Boone County Senate District - 7

Clay County House Districts – 32 & 33

Clay County Senate District - 12

Kanawha County House Districts – 22, 35, 36, 37, 38,39 & 40

Kanawha County Senate District – 8 & 17

Putnam County House Districts – 13, 14, 22 & 38

Putnam County Senate District – 4 & 8

Congressionally, Region 3 falls into district one.

The local contribution is based on a Council-adopted formula which uses assessed valuation and population to calculate each government’s share. Council activities are directed by the members at large and each member has one vote in Council deliberations. The Council hopes in FY 2023 to accomplish the following work products:

- 1) Prioritize Goals and Objectives
- 2) Continue Technical Assistance
- 3) Continue Local Planning Assistance Program
- 4) Continue Transportation Planning and Management Activities.



Programs

The RIC staff keeps current on opportunities and funding sources to promote the goals of the local communities. The staff identifies grant and loan programs for individual projects and prepares applications for these funds, as well as providing technical assistance in the areas of comprehensive planning, transportation, annexation, incorporation and community and economic development.

Many of these functions can be closely attributed to the role of the classical planning agency. Council staff has, over the years, assisted in the preparation of zoning and other land use control ordinances, drafted city and town codes, advised on annexation and incorporation efforts, as well as undertaken and directed surveys and studies on areas of concern to the community.

Since its designation by the Governor as “Section 134” Metropolitan Planning Organization (MPO) in 1973, the Regional Intergovernmental Council has been responsible for the coordination, review, programming and implementation of transportation and transit planning activities in Kanawha and Putnam counties. Transportation planning is accomplished through the use of Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) funding. Funding is coordinated through the West Virginia Department of Transportation, Division of Planning.

RIC’s transportation staff addresses a number of modes of transportation: highways, mass transit, air, rail, water, bikeways/pedestrians, and specialized transportation of the elderly and handicapped. Historically, RIC has placed the greatest emphasis on highways, mass transit and specialized transportation. Transportation needs and projects are identified and addressed via RIC’s Unified Planning Work Program (UPWP).

The Council continues to emphasize expansion and improvement of the region’s infrastructure as detailed in the Region III Project Listing.

As the designated Economic Development District (EDD) for the region, RIC is responsible for conducting the Comprehensive Economic Development Strategy (CEDS) process, which results in economic strategies and projects for the region.

Several mechanisms allow for citizen participation in the planning process: the composition of the RIC Board of Directors, the committee structure, the RIC newsletter, public hearings and extensive communications with local planning and development agencies.

The Council is composed of 29 local chief elected officials of the Region (four county commissioners and 25 mayors), as well as 19 citizen representatives selected to provide equitable representation from various jurisdictions and constituencies, including the private sector, labor, education, workforce development, and chambers of commerce.

To receive advice and assistance from interested people, RIC has established a number of advisory committees. These committees each address a particular area of concern and serve to broaden the Council’s viewpoint and to strengthen the decision-making process. One such committee is the RIC Comprehensive Economic Development Strategy (CEDS) Committee. The CEDS is charged with the monitoring and implementation of the CEDS activities.



An important part of RIC's public information process is its newsletters (3 published yearly), and annual report. The publications keep a representative cross-section of our Region informed of the Council's goals, objectives, and activities. RIC also uses email and social media to communicate with RIC members and other agencies and organizations.

The public hearing format can be an effective source of citizen communication. Transportation and community development agencies require public hearings on many projects. Besides public hearings sponsored by local governments in their normal financial decision-making process, each of the several local governments submitting project applications in the HUD-SCBG program must conduct two public hearings.

Another major avenue of citizen participation is the networking between RIC and other area agencies. These agencies (such as city/county planning bodies, Workforce Investment Boards, transportation agencies, local development corporations, etc.) share an interest in community development activities. These agencies have their own goals, objectives, and channels of public participation; and daily association among these groups increases the flow of citizen input.

RIC posts documents and other information, including public meetings notices on its website (www.wvregion3.org). RIC has also conducted citizen surveys via the internet.

RIC serves as a Census Affiliate Data Center and a Business and Industry Data Center, maintaining and distributing demographic and economic data on a request basis.

RIC also acts as a "clearinghouse" for State Intergovernmental Review, allowing local governments and affected agencies the opportunity to be aware of, and comment on, federal funding applications of other entities.

PROGRAM ASSESSMENT

Region III goals have remained constant in recent years; objectives and strategies to accomplish these goals have changed little. A listing of functional categories in order of their importance, and the accomplishments toward the respective goals, are detailed in Section III Regional Planning Process. Emphasis on water, sewer, and solid waste; economic development; and transportation goals are evident.

The work program of the Council reflects the regional goals and demands of our local governments as well as the dictates of the federal funding units. Council activities can be categorized into three broad areas: local technical assistance, economic and community development, and transportation.

Local Technical Assistance

The Council's staff was involved in various stages of projects, including:

- Provided grant administration to twelve or more local governments having HUD, EPA, USDA, and ARC grants, as well as state agency grants. This is an important service offered by RIC to keep local governments in compliance with federal regulations and audits.



- Disseminated information on state and federal development programs to all local governments in the RIC region. Worked with local officials in developing projects.
- Served on various committees and boards, including the Putnam County Transportation Committee, the Greater Kanawha Valley Foundation Economic Development Committee, the Kanawha Coal Reliant Communities Group, the Kanawha County Regional Development Authority, the Advantage Valley Development Authority, the Madison-Boone Recreation Action Plan, the WV Association of Regional Planning and Development Councils, and the WV Association of Metropolitan Planning Organizations.
- Assisted communities and others by providing GIS mapping and other technical services. Provided information regarding various government programs and advised communities in dealing with various technical and administrative issues.
- Provided census and other data to communities and local organizations.
- Assisted the WV Office of Broadband in gathering qualitative data from citizens around the region concerning broadband access and digital equity.

Community and Economic Development

RIC administered a number of infrastructure projects, including:

- Boone County:
 - Boone County Boone Memorial Hospital Sanitary Sewer Extension and Boone Memorial Hospital's EDA funded Farmer's Market/Greenhouse Project.
- Clay County:
 - Clay County Big Otter Nebo Waterline and Interconnection Project, Town of Clay Sanitary Sewer Upgrade, Town of Clay Water Storage Tank Replacement, Clay County Commission's Broadband Design Project, Civil Military Innovation Institute's Fola Mine Site Improvements, and the Town of Clay's emergency waterline repair project.
- Kanawha County:
 - West Dunbar Sanitary Sewer Rehabilitation, Belle Sewer Rehabilitation Project, Kanawha RDA's Standard-Paint Creek-Collinsdale Waterline Extension, Kanawha RDA's Crestwood Drive Waterline Extension, Town of Chesapeake's Sanitary Sewer Evaluation Study, Town of Cedar Grove Sewer Project, Town of East Bank's critical needs Sewer Repair, City of South Charleston Liberty Street Lift Station Rehabilitation, and the Central West Virginia Regional Airport Authority's EDA funded project to construct the apron for Marshall University's Bill Noe Flight School as well as the Eagle Mountain Road Sewer Extension.
- Putnam County:
 - Putnam Public Service District Deer Valley Sewer Extension, Putnam Public Service District Water Capacity Improvements, Town of Buffalo's Krystal Lane Sewer Extension, Putnam County Development Authority's EDA funded Strategic Plan, and the Putnam County Jim Ridge Phase II Waterline Extension.



- **RIC is assisting in the development of additional infrastructure projects, including:**
 - Boone County
 - Boone County/Madison Sewer Rehabilitation Project, Boone County Commission's Alexis Lane Waterline Extension, Boone County Development Authority's ARC funded Broadband Project, Boone County Foster Phase I Sanitary Sewer Extension, Boone County PSD Mountaineer Drive Waterline Extension, and the Boone County PSD Rock Creek Development Park Waterline Extension.
 - Clay County
 - Clay County PSD's Moore Fork – Ossia Road and Grassy Fork Waterline Extensions, and the Clay County Commission Annex buildout.
 - Kanawha County
 - Kanawha PSD Lens Creek Sewer Extension Project, Greater St Albans Phase IV Sewer Line Extension, Kanawha RDA Olcott Waterline Extension, Town of East Bank Stormwater Separation Project, Sissonville PSD Wastewater Treatment Plant Upgrade, Elk Valley PSD Riverbank Stabilization (multiple projects), Elk Valley PSD UV Disinfection Project, City of South Charleston Wastewater Treatment Plant Electrical Upgrade, Town of Glasgow's Inflow and Infiltration Reduction Project, Kanawha RDA's CDS Funded Leatherwood Waterline Extension, Town of Marmet's CDS Funded Maryland Avenue Overflow Abatement Project, WV Technology Park's CDS Funded Outdoor Lighting Project, and Capital Market's CDS Funded Solar Energy Project.
 - Putnam County
 - Fraziers Bottom Sewer Line Extension, Deerfield Estates Waterline Extension, Bill's Creek Sewer Extension, Town of Buffalo Stormwater Project, and Town of Poca's Stormwater Project.
- RIC prepared three (3) newsletters and one annual report.
- Attended the WV Association of Regional Planning and Development Councils Annual Conference.
- Completed two HUD Small Cities Block Grant Applications.
- Participated in numerous trainings concerning Broadband Infrastructure Programs through the WV Office of Broadband.

Private Development

- Completed and submitted FY 2023 CEDS Update.
- Provided information on Region III to consultants, market analysts and private businesses to promote economic development.



Transportation

Comprehensive Safety Action Plan (CSAP)

During FY 2023, RIC developed the RIC CSAP. The RIC CSAP was adopted on June 8th, 2023, at the RIC Policy Board Meeting. As a part of the CSAP the RIC Policy Board adopted a vision of zero roadway fatalities and serious injuries for the RIC Metropolitan Planning Organization (MPO) planning area of Kanawha and Putnam Counties. The RIC Policy Board also adopted 5-year roadway fatality and serious injury reduction targets and a safe systems approach, that considers the comprehensive solutions needed to achieve the vision and targets.

Clean Air Act

During FY 2023, RIC transportation planning staff continued to maintain requirements related to the Clean Air Act (CAA) and State Implementation Plan (SIP). RIC is designated as a maintenance area for both the 8-hour ozone and particulate matter (PM 2.5) pollutants. RIC maintains a Metropolitan Transportation Plan (MTP) and Transportation Improvement Program (TIP), both of which are consistent with the SIP. During development of the TIP, and subsequent amendments, RIC follows interagency consultation procedures with federal, state, and local agencies. In FY 2023 the Federal Highway Administration (FHWA) Resource Center conducted an Air Quality Workshop that was attended by FHWA community planners, the WV Department of Environmental Protection, the WV Division of Highways, and the RIC Transportation Planning Team.

RIC Public Participation Plan (PPP) and Title VI Plan

In December of 2022 during FY 2023, the RIC Policy Board adopted a new Title VI Plan and Public Participation Plan. The Title VI Plan includes updates to the mapped displays of population-based presence of environmental justice sensitive communities, taking into consideration presence of people with Limited English Proficiency, who are not white alone, and living with incomes below the federal poverty level. Furthermore, a mapped display of TIP projects was overlaid with the census tracts based on the presence of the environmental justice sensitive communities to strengthen the ability of interagency partners to conduct equitable analysis of the TIP. The mapped display was made publicly available on the RIC website and will be updated regularly with the latest data as it becomes available. The PPP and the Title VI Plan were adopted in accordance with policies adopted in the RIC PPP.

Transportation Database/Geographic Information System (GIS)

RIC continued to expand its use of Geographic Information System (GIS) in work activities through the acquisition of transportation data and software. RIC continues to employ the use of GIS technology in most of its transportation planning activities to provide mapping and technical assistance for RIC member municipalities and constituents.

Throughout FY 2023, GIS technologies were utilized during the development of the PPP, the Title VI Plan, the Transportation Improvement Program (TIP), and additional projects.



RIC transportation planning staff utilized GIS mapping technologies to assist local municipalities in the development of sidewalk evaluations and ADA Transition Plans.

RIC transportation planning staff continued to gather and analyze census data and update its database from the 2020 Census.

Bicycle and Pedestrian Initiatives

Throughout FY 2023, the RIC Bicycle and Pedestrian Advisory Committee (BPAC) convened on a quarterly basis to create a forum to discuss bicycling and pedestrian transportation development in the region and provide updates on projects being developed with RIC assistance. RIC provided technical assistance to local municipalities with the development and adoption of ADA Transition Plans. RIC transportation planning staff provided technical assistance to local municipalities for the Transportation Alternatives (TA) grant program for new and renovated sidewalk projects.

Census Management Planning

RIC continues to maintain its census library of printed and digital data materials and responded to census requests from officials, agencies, and the public. RIC will continue to update its database with 2020 Census data as it becomes available.

Transportation Improvement Program (TIP)

Throughout FY 2023, RIC updated the Transportation Improvement Program (TIP) each quarter to ensure coordinated work efforts with the WVDOT. RIC ensured the procedures for public involvement during the TIP amendment process were followed as described in the RIC PPP.

Transit Planning

During FY 2023, RIC worked in coordination with the Kanawha Valley Regional Transportation Authority (KVRTA) to propose amendments to the Transportation Improvement Program (TIP) and the adoption of updated transit performance targets. RIC served as the public participation hub for KVRTA.



III. Regional Planning Process

To receive advice and assistance from interested people, RIC established advisory committees to address particular areas of concern. The Comprehensive Economic Development Strategy (CEDS) committee monitors and implements activities and is active in the CEDS process. The CEDS is also subject to public review.

Transportation and community development agencies require public hearings on many projects. Besides public hearings sponsored by local governments in their normal financial decision-making process, each of the several local governments submitting project applications in the HUD-CDBG program must conduct two public hearings.

Annually, RIC staff initiates correspondence by requesting the formal submission to its office of known projects in the formative stages. Frequent contact during the year with officials throughout the Region ensures the project list is current and up to date. The projects are then listed in functional areas.

These areas are prioritized in order of importance relative to the Region’s emphasis on development:

1. water/sewer
2. broadband
3. economic development
4. transportation
5. community development
6. housing

After the projects are grouped by functional category, they are prioritized within each category according to the process outlined below: RIC determines a project’s priority rating using the following ten criteria:

1. conformity to regional goals, objectives, and development priorities
2. multiple regional needs
3. number of persons benefiting
4. job creation potential/unemployment
5. job retention potential
6. benefit to low and moderate-income persons
7. funding commitment (local, private, state, federal)
8. utilizes existing public facilities or enhances existing programs
9. adds a needed public facility
10. applicant’s past performance



Regional III Project Listing

Regional and County Project List				
Water Projects:				
ID NO.	Project Name	County	Sponsor	Project Cost
1	Alexis Lane Waterline Extension	Boone	Boone County PSD	\$900,000
	To provide water service to approximately 5 residents in Boone County along Corridor G near Big Ugly and the Logan County Line.			
2	Mountaineer Drive Waterline Extension	Boone	Boone County PSD	\$1,000,000
	To provide potable water to three businesses and the CASCO Cabins Resort at the intersection of Corridor G and Route 85 at Danville.			
3	Harrison Widen Waterline Extension	Clay	Clay County PSD	\$7,000,000
	To provide water service to approximately 100 residences from Triplett Ridge to Nicholas County.			
4	Clay County PSD Big Otter Nebo Waterline	Clay	Clay County PSD	\$5,300,000
	To provide potable water to the 100 households near Interstate 79. This project has been developed for over 20 years with the inability of the Town of Clay to supply the necessary capacity of water to the residents. The Town of Clay completed their new plant in 2013 which doubled their volume and storage. The treatment plant can only be successful if additional customers are added in the near future.			
5	Moorefield (Ossie Road) Waterline Extension	Clay	Clay County PSD	\$4,600,000
	This is an additional waterline extension in the northern part of Clay County that will be served by the new Town of Clay treatment facility and the expanded storage and pressure of the Clay County interconnection project.			
6	Grassie Fork Waterline Extension	Clay	Clay County PSD	\$2,500,000
	To provide potable water to the 40+ residents along Grassie Fork off Route 16 near Bickmore and Fola.			
7	Town of Clay Water Tank Replacement	Clay	Town of Clay	\$975,000
	To replace two tanks, one of which was built in the late 1960's and is failing.			
8	Leatherwood Waterline Extension	Kanawha	Kanawha County RDA	\$7,000,000
	To provide potable water to the residences of Leatherwood Road near Clendenin by a public-private partnership with West Virginia American Water Company.			
9	Olcott Waterline Extension	Kanawha	Kanawha County Commission	\$10,000,000
	To provide potable water to the Olcott area to provide water service to approximately 175 residences.			
10	Mahon/Paint Creek Waterline Extension	Kanawha	Kanawha County Commission	\$7,000,000
	To provide potable water to the Mahon/Paint Creek area where pre-1977 mining has affected the quality and quantity of wells in the area. This project is being reviewed by the WV DEP AML for funding. This project will also serve the rest stop on the WV Turnpike.			



11	Fisher Ridge Waterline Extension	Putnam	Putnam County Commission	\$2,000,000
	To provide potable water service to the 28 residents of Fisher Ridge Putnam County.			
12	Deerfield Estates Waterline Extension	Putnam	Putnam County Commission	\$3,865,000
	To provide potable water service to the residents of the Phase II area of Jim Bee Ridge to the Jackson County line in Putnam County.			
SEWER PROJECTS:				
13	WWTP Upgrade and Line Rehabilitation	Boone	Boone County PSD	\$4,300,000
	To upgrade the wastewater treatment plant in Danville and rehabilitate the lines in West Madison for increased inflow and infiltration.			
14	Town of Glasgow WWTP Upgrade	Kanawha	Town of Glasgow	\$1,500,000
	To upgrade the wastewater treatment plant in Glasgow by adding a clearwell and an additional pump and housing to the system.			
15	Foster Phase 1 Sanitary Sewer Extension	Boone	Boone County PSD	\$5,000,000
	To provide sanitary sewer to Route 3, Rock Creek, for the 68 residents to the Southern Community and Technical Collage.			
16	Foster Phase 2 Sanitary Sewer Extension	Boone	Boone County PSD	\$5,500,000
	To provide sanitary sewer to Route 3, Rock Creek, from Southern Community and Technical College to the mouth of Foster Hollow serving approximately 75 customers.			
17	Foster Phase 3 Sanitary Sewer Extension	Boone	Boone County PSD	\$6,500,000
	To provide sanitary sewer to Route 3, Rock Creek, from the mouth of Foster Hollow along the route serving approximately 100 customers.			
18	Boone Raleigh PSD Wastewater Treatment Plant and Line Improvements	Boone	Boone Raleigh PSD	\$5,000,000
	To upgrade the treatment plant, lift stations and lines within the system.			
19	Eden's Fork Sewer Line Extension	Kanawha	Kanawha County Commission	\$875,000
	To construct a line extension that serves between 10 and 20 residences with sewer service to be connected to the Charleston Sanitary Board collection system.			
20	Greater St. Albans Phase IV Sewer Extension	Kanawha	Greater St. Albans PSD	\$25,000,000
	To construct the sewer line extension that connects Brown's Creek, Vorpe Road and areas toward Tornado which would connect to the main GSAPSD line and be treated by the City of St. Albans WWTP.			
21	Sissonville PSD Various Sewer Line Extension	Kanawha	Sissonville PSD	\$8,178,006
	To provide sewer line extensions and upgrades throughout the system to be treated at the SPSD WWTP.			



22	Greater St. Albans Phase IV Sewer Extension	Kanawha	Greater St. Albans PSD	\$8,000,000
	To provide sanitary sewer service to the community of Tornado, and areas along Smith Creek in the Tornado area.			
23	City of Nitro Blake's Creek Sewer Extension	Kanawha	City of Nitro	\$3,468,000
	To provide sewer service to the unserved residences in the Blake's Creek and Ridenour Lake area of Nitro.			
24	City of Nitro Pocatalico River Sewer Extension	Putnam	City of Nitro	\$1,500,000
	To provide sewer service to the unserved residences in the Pocatalico River area of Nitro.			
25	Putnam PSD Hollywood Dr Sewer Extension	Putnam	Putnam PSD	\$3,000,000
	To provide sewer service to the residents of Hollywood Drive in Putnam County.			
26	Putnam PSD Frasier's Bottom Sewer Extension	Putnam	Putnam PSD	\$3,000,000
	To provide sewer service to the unserved areas of Fraziers Bottom.			
27	Putnam PSD Upgrade of North Putnam Plant	Putnam	Putnam PSD	\$2,150,000
	To upgrade the North Putnam WWTP.			
28	Lens Creek Sewer Extension Phase I	Kanawha	Kanawha PSD	\$11,600,000
	To provide service to approximately 220 residences along Route 94 (Lens Creek Road) from Marmet to the Boone County Line, to be transported thru Chesapeake to the Chelyan facility.			
29	Town of Clay Sanitary Sewer Improvements	Clay	Town of Clay	11,700,000
	To rehabilitate the wastewater treatment plant that is failing.			
30	Lens Creek Sewer Extension Phase II	Kanawha	Kanawha PSD	\$4,700,000
	To provide service to approximately 230 residences along Route 94 (Lens Creek Road) from Marmet to the Boone County Line, to be collected at the Marmet WWTP.			
31	Winfield Treatment Plant Replacement	Putnam	Town of Winfield	\$8,000,000
	To replace an outdated lagoon treatment system with a state-of-the-art plant to serve the growing population of Winfield and the surrounding areas.			
32	Rock Creek Industrial Park Sewer Extension	Boone	Boone County PSD	Unknown
	To provide sanitary sewer to the Rock Creek Industrial Park, formerly Hobet Surface Mine.			
33	Upper Witcher Creek Sewer Extension	Kanawha	Kanawha PSD	\$5,000,000
	To provide sewer service to approximately 120 residents along Upper Witcher Creek Road, to be served by the Kanawha PSD Wastewater Treatment Plant in Chelyan.			
34	Boone County Boone Memorial Hospital	Boone	Boone Co PSD	\$722,000
	To provide sewer service to the new Hospital Annex (Former Magic Mart in Danville)			
Community Facilities:				
35	Marmet Sidewalk Project	Kanawha	Town of Marmet	\$301,000
	To provide sidewalks and sidewalk upgrades throughout Marmet.			
36	Clay Streetscape Project	Clay	Town of Clay	\$200,000
	To add to the streetscape design in the Town of Clay by increasing the design and implementation of the current streetscape.			



37	Clay Fire Station Rehabilitation	Clay	Clay County Comm	\$241,000
	To purchase and build a new fire station in Clay.			
38	St. Albans Spot Slum and Blight	Kanawha	City of St. Albans	\$150,000
	To promote certain buildings to be demolished in the community and new uses for the vacant land to be identified.			
39	Street Paving on Second Avenue	Kanawha	City of Nitro	\$78,000
	To provide funds to repave Second Avenue in the City of Nitro.			
40	Orchard Manor Bridge Replacement	Kanawha	City of Charleston	\$600,000
	To replace the bridge to a low housing area in the City of Charleston.			
41	South Hills Streetscape	Kanawha	City of Charleston	\$750,000
	To add charm and flair to the business district along Bridge Road, an eclectic area of the city.			
42	CASE Project for Arts and Science Center	Kanawha	City of Charleston	Unknown
	To update the streetscape at the Clay Center at Leon Sullivan Way.			
43	Capitol Street Streetscape	Kanawha	City of Charleston	\$80,000
	To update the streetscape in the heart of Charleston.			
44	Sidewalk and Street Paving Project	Kanawha	City of Dunbar	\$398,614
	To provide funding for street paving and sidewalk repair to the main thoroughfares of the City.			
45	10th Street Streetscape	Kanawha	City of Dunbar	\$252,153
	To provide a streetscape to the entrance of the City of Dunbar from South Charleston via the Dunbar Toll Bridge.			
46	Safe Route to Schools - Sidewalk Project	Kanawha	City of Dunbar	\$130,000
	To provide sidewalks as part of the safe route to schools Department of Transportation grant program.			
47	Handicapped Accessibility - City Hall	Putnam	Town of Eleanor	\$16,000
	To provide access to the Historic Red House building that is also the seat of government for the Town of Eleanor.			
48	Community Center on Morris Drive	Kanawha	City of Montgomery	\$4,000,000
	To construct a Community Center along Morris Drive in Kanawha County for the residents of the area.			
49	Handicapped Access and Elevator - City Hall	Kanawha	Town of Clendenin	\$84,000
	To construct an elevator to the town council chambers on the second floor of Town Hall. The stairs are very steep.			



Economic Development Initiatives:				
50	West Virginia Regional Technology Park	Kanawha	WV HEPC	To Be Determined
	To promote continued development and utilization of the WVRTP as a research and business park. Currently the Park is home to two community colleges, Matric Research Facility, TechConnectWV, Chemical Alliance Zone and a number of private companies.			
51	Shell Building at Putnam County Park	Putnam	PCDA	\$2,000,000
	To develop a spec building that will serve either for rental or sale to increase jobs and increase the vitality of the local economy.			
52	ChemCeption Business Incubator	Kanawha	WV HEPC	To Be Determined
	To define an Incubator specifically designed for the chemical industry that will foster new concepts in the chemical industry.			
53	Smith Street and Leon Sullivan Way Streetscape	Kanawha	WV DOT	\$4,000,000
	This streetscape is a welcome entrances to the East End neighborhood which is home to the City's Historical District.			
54	Clay County Industrial Park	Clay	CAEZ	\$5,000,000
	To develop a commercial / industrial park and spec building that will serve either for rental or sale to increase jobs and increase the vitality of the local economy. Clay County has lost much of its tax base and ancillary businesses because of the closure of Fola (Consolidation) Coal. The area needs to see a revitalization of their job base to sustain their economy.			
55	Inland River Port at Eleanor, WV	Putnam	PCDA	\$4,000,000
	To develop a public river port near the Winfield lock and dam system. This port would move and store products from the Ohio and Kanawha rivers to the new U. S. Route 35 which begins in Teays Valley and continues northwesterly into Central and Northwestern Ohio. It would also connect to Interstate 64 and I-77/79 to access most of the northeast.			
56	Kanawha County Industrial Park	Kanawha	CAA	To Be Determined
	To determine a location and develop an industrial park. The Land Task Force has identified a few possible sites and are evaluating the scope and cost of site development.			
57	Recreating the Local Economy of The Upper Kanawha Valley through Recreation	Kanawha Fayette	Kanawha County Commission	To Be Determined
	This project would expand recreation from Charleston to the New River Gorge connecting the Mammoth Preserve, the Elk River Trail State Park, the Kanawha State Forest and the Hatfields and McCoys Trail Organization with hiking, biking, motorized travel, water travel and all forms of outdoor recreation.			
58	Charleston Riverfront Development	Kanawha	Charleston	\$20,000,000
	Promote the Kanawha Boulevard area as a premier location for a riverscape area for businesses to locate. This will consist of residential, retail and commercial locations along the Kanawha Boulevard from Magic Island to the Kanawha City Bridge.			



59	Improvements to US 60 in Kanawha County	Kanawha	WV DOT	\$31,300,000
	This project would widen to a four-lane divided facility from the Admiral TJ Lopez Bridge (Chelyan Bridge) to CR 81 (Kellys Creek Road). This widening of US Route 60 would enhance the ability for business to grow and prosper in the Upper Kanawha Valley, an area affected by the loss of coal and coal-related employment.			
60	Third Street Underpass Improvements in St. Albans	Kanawha	St Albans	\$9,600,000
	To widen the existing railroad underpass to three lanes and improve vertical clearance. This will open the City of St Albans to a free-flowing access to the main section of the city. There are many commercial and retail sites available for expansion in the city core.			
61	West Washington Streetscape	Kanawha	WV DOT	\$5,000,000
	To provide a gateway entrance that will assist in the appeal of the West Side and help the West Side Main Street Association attract new businesses and assist current companies to expand. This complex street scape should be separated into six phases and would provide construction jobs and attract investment.			
62	Coal Related Job Retraining	All	Workforce	To Be Determined
	To develop retraining or assist new businesses that will diversify the coal related economy.			
63	Water and Sewer Projects to Industrial/Commercial Parks	All	Any Utility	To Be Determined
	Any project that will assist commercial or industrial businesses compete in the local, regional and global markets.			
64	Rock Creek Development Park	Boone	Unknown	\$100,000,000
	To develop the Hobet surface mine to a residential, commercial and industrial facility that would be self-contained in Southern West Virginia. Thousands of acres of developable land waiting for visions.			
65	Central West Virginia Trails Group	Clay, Roane, Braxton	CAEZ	\$500,000
	To develop a walking, riding and biking trail network much like the successful Hatfield and McCoy trail system.			
66	Upper Kanawha Valley Gateway Project	Kanawha, Fayette, and Clay	Region 3, Region 4	\$500,000
	To develop a Gateway Project from the Upper Kanawha Valley to the natural beauty to the New River Gorge in Fayette County.			
67	City Center Business Improvement District	Kanawha	Charleston	\$14,000,000
	To redevelop the area around Slack Plaza.			
68	Coal River Park	Kanawha	City of St Albans	\$1,700,000
	To develop a community park along the Coal River near the mouth of the Kanawha.			



	Capitol Sports Center	Kanawha	Kanawha County and the City of Charleston	\$80,000,000
69	To develop a Sports Complex in the Charleston Town Center Parking garages to bring sports tournaments to the area.			
	Economic Development Planning Initiatives:			
70	Charleston Master Plan and Economic Analysis	Kanawha	City of Charleston	\$500,000
71	Central West Virginia Trails Group	Clay	Clay County Commission	\$100,000
72	Hobet Properties	Boone	BCEDA	\$200,000
73	Nitro Brownfields Redevelopment Assessment	Putnam	PCDA	\$200,000
74	Putnam County Strategic Plan and Economic Analysis	Putnam	PCDA	\$150,000
75	Upper Kanawha County Engineering Design for Trails	Kanawha	Kanawha County	\$1,000,000
	Broadband Projects:			
76	Clay County Broadband Implementation Grant	Clay	Clay County Commission	\$1,815,000
77	Clay County Broadband Design Grant	Clay	Clay County	\$150,000
78	Whiteville Connectivity Project	Boone	Town of Whitesville	\$30,000
	Storm Sewer Projects:			
	Town of Buffalo Storm Sewer Project Along Timms Street	Putnam	Town of Buffalo	\$800,000
79	To provide storm sewers to 25 families along Timms Street and adjoining streets.			
	Madison Storm Drainage Project	Boone	City of Madison	\$500,000
80	To provide storm drainage to areas that flood in high rainfall.			
	Storm Sewer Project Along Railroad	Kanawha	Town of Chesapeake	\$250,000
81	To provide storm drainage to areas that flood in high rainfall.			
	Boundary Street Storm Sewer	Kanawha	City of Nitro	\$250,000
82	To provide storm drainage to areas that flood in high rainfall.			



83	85th and 98th Street Storm Sewers	Kanawha	Town of Marmet	\$641,000
	To provide storm drainage to areas that flood in high rainfall.			
84	Chesterfield Avenue Storm Sewer	Kanawha	City of Charleston	\$300,000
	To provide storm drainage to areas that flood in high rainfall.			
85	Mountain Road Drainage Project	Kanawha	City of Charleston	\$128,000
	To provide storm drainage to areas that flood in high rainfall.			
86	North Charleston Storm Sewer Project	Kanawha	City of Charleston	\$98,000
	To provide storm drainage to areas that flood in high rainfall.			
87	Garrison Avenue Flood Drainage	Kanawha	City of Charleston	Unknown
	To provide storm drainage to areas that flood in high rainfall.			
88	Parson's Court/5th Avenue Flood Drainage	Kanawha	Charleston	\$50,000
	To provide storm drainage to areas that flood in high rainfall.			
89	Municipal Storm Sewers	Kanawha	Town of Glasgow	\$550,000
	To provide storm drainage to areas that flood in high rainfall.			
90	Teays Valley Storm Water Improvements	Putnam	Putnam County Planning	\$18,000,000
	To provide storm drainage to areas that flood in high rainfall.			
91	Winfield Stormwater Improvements	Putnam	Town of Winfield	\$2,000,000
	To provide storm drainage to areas that flood in high rainfall.			
92	Millard and Linda Avenue Storm Sewers	Putnam	City of Hurricane	\$115,000
	To provide storm drainage to areas that flood in high rainfall.			
93	Eleanor Storm Sewers	Putnam	Town of Eleanor	\$500,000
	To provide storm drainage to areas that flood in high rainfall.			
94	Buffalo Phase II Storm Sewer Project	Putnam	Town of Buffalo	\$496,300
	To provide storm drainage to areas that flood in high rainfall.			
95	Long-term Stormwater Control - MS4	Kanawha	City of St Albans	\$500,000
	To provide a plan to alleviate storm drainage in all areas of the City of St. Albans.			
96	Flood Control Along Curtiss, Monmouth, Walnut and Kanawha Terrace	Kanawha	City of St Albans	\$7,000,000
	To provide storm drainage to areas that flood in high rainfall.			
97	Rand Storm Sewer Project	Kanawha	Kanawha County	\$13,000,000
	To provide storm drainage to areas that flood in high rainfall. WV DOH providing study.			



Recreation Projects:				
98	Improvements to Community Pool	Clay	Clay County Commission	\$100,000
	To upgrade the Clay County pool and bathrooms.			
99	Livestock and Multi-use Pavilion	Clay	Clay County Commission	\$355,000
	To build a multipurpose build that will house all facets of the park.			
100	Pool Filtration Replacement System	Kanawha	Town of Glasgow	\$38,600
	To replace the filtration system at the community pool.			
101	Community Center	Kanawha	St Albans	\$1,500,000
	To build a community center for the youth of the City of St Albans.			
102	Riverfront Park, Boat Ramp and Picnic Shelter	Kanawha	Town of Cedar Grove	\$210,000
	To develop a boat ramp and picnic area near the community park and playground in Cedar Grove.			
103	Playground Equipment	Putnam	Town of Poca	\$13,446
	To provide playground equipment to various park areas.			
104	Establish a Groundwork Trust	Kanawha	City of Charleston	\$175,000
	Establish funding for a groundwork trust for the City of Charleston.			
105	Gateway Greenspace	Kanawha	City of Charleston	\$1,727,000
	Any project that will assist commercial or industrial businesses compete in the local, regional and global markets.			
106	Putnam County Parks Playground Equipment	Putnam	Putnam County Parks	\$110,000
	To add playground equipment to various parks in Putnam County.			
107	South Hurricane Recreation Area	Putnam	City of Hurricane	\$325,000
	To add to the park system for the City of Hurricane.			
108	Wetlands Park near Putnam Industrial Park	Putnam	Putnam County Development Authority	\$500,000
	To add a wetlands park at the Putnam Industrial Park in Fraziers Bottom.			
109	Walking Path and Bridge Wellness Trail	Boone	Towns of Danville & Madison	\$875,000
	To construct a bridge and extend a walking trail to connect to the current Madison Wellness Trail.			
110	Marina along Kanawha River	Kanawha	City of Montgomery	\$4,000,000
	To develop a marina along the Kanawha River for the Upper Kanawha Valley.			



	Riverscape Park and Boat Launch	Kanawha	City of South Charleston	\$6,000,000
111	To provide a boat launch and park under the 1-64 Bridge in South Charleston.			
	Sylvester Pavilion Park	Boone	Sylvester	\$200,000
112	To make improvements to the Sylvester Park, previously the Sylvester Elementary site.			
	Madison Trailhead and Canoe Livery	Boone	Madison	\$100,000
113	To provide a canoe launch and trailhead at the former Haddad Swimming Pool.			
	Splash Park at Waterways	Boone	Boone County Comm	\$120,000
114	To provide a splash park at Waterways for the residents.			
Demolition Projects:				
	Demolition of Dilapidated Buildings	Kanawha	Kanawha County	\$250,000
115	Remove building that have become unlivable.			
	Demolition Project of Buildings	Kanawha	Town of Marmet	\$250,000
116	Demolish houses and businesses in Marmet.			
Historic Preservation Projects:				
	Restoration of City Hall	Kanawha	City of Charleston	\$100,000
117	Restoration of City Hall.			
	Buffalo Academy Rehabilitation	Putnam	Town of Buffalo	\$100,000
118	To rehabilitate the Buffalo Academy which is on the National Register of Historic Places.			
Housing Projects:				
	Elderly and Handicapped Housing Units	Kanawha	City of St Albans	\$2,000,000
119	To provide additional units for the elderly and handicapped residents of St Albans.			
Planning Projects:				
	City-Wide Storm Drainage Improvement Study	Kanawha	City of St Albans	\$44,000
120	To conduct a city-wide storm drainage improvement study for the City of St Albans.			
	Comprehensive Storm Water Evaluation	Kanawha	City of Charleston	\$700,000
121	Any project that will assist commercial or industrial businesses compete in the local, regional and global markets.			



122	Unification of 3 East End Plans - GIS Project	Kanawha	City of Charleston	\$60,000
	Any project that will assist commercial or industrial businesses compete in the local, regional and global markets.			
123	CSO and Asset Management Plan of Town Sewer	Kanawha	Town of Cedar Grove	\$100,000
	To provide a CSO and Asset Management Plan for Cedar Grove to develop plans for a sanitary sewer upgrade.			
124	Buffalo Region Zoning Ordinance Study	Putnam	Putnam County Planning	\$50,000
	Identify zoning ordinances and study their effects on the region.			
125	Buffalo Region Drainage Improvement Study	Putnam	Putnam County Planning	\$50,000
	Conduct a study of the drainage improvement for the Town of Buffalo.			
126	Putnam County Recreational Trails Master Plan	Putnam	Putnam County Parks	\$50,000

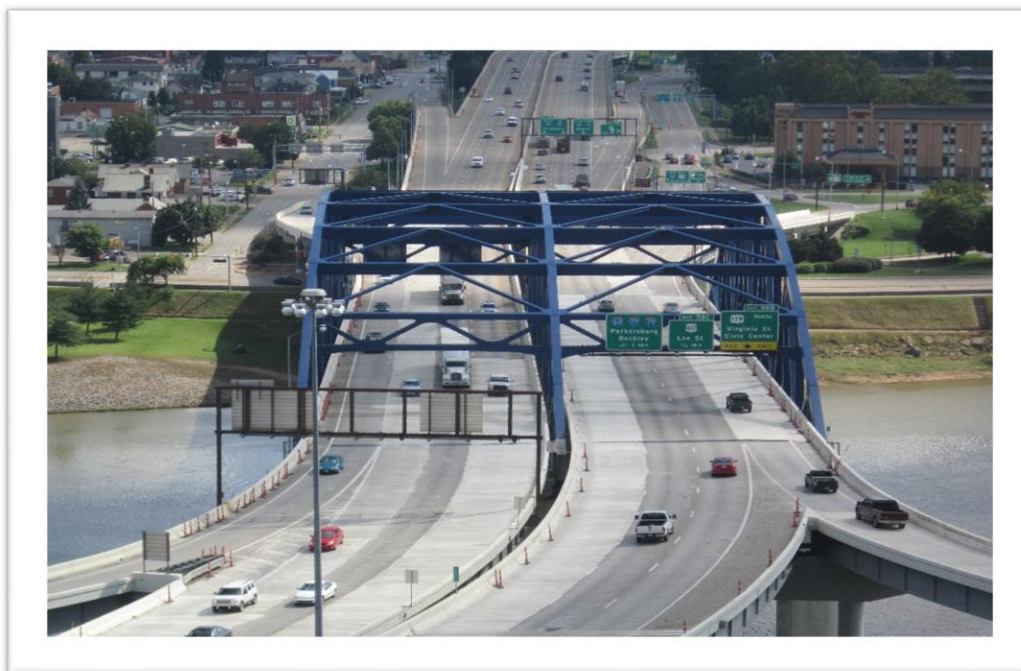
Note: Acronyms	
Boone Community Economic Development Authority	BCCEDA
Charleston Area Alliance	CAA
Central Appalachia Enterprise Zone	CAEZ
Putnam County Development Authority	PCDA
WV Department of Transportation	WV DOT
WV Higher Education Policy Commission	WV HEPC
Upper Kanawha Valley Enterprise Community	UKVEC



IV. Situation Assessment: The Area and Its Economy



The Regional Intergovernmental Council (RIC) serves local governments within the four-county region of Boone, Clay, Kanawha, and Putnam counties. One of 11 regional planning and development councils located within the state of West Virginia and designated as Region III, RIC provides an array of services which support economic development, planning and inter-governmental cooperation. Region III features a mix of high-tech manufacturing and value-laden businesses as well as rich, mining based working lands.



The interstate highway system that serves Region III includes I-64, I-77, and I-79. This interstate system has largely been responsible for Region III's growth as a major distribution center. The river, rail, air, and highway network has been a stimulus to all sectors of the economy and allows Region III ease of trade with all other areas in the nation. Appalachian Corridor G connects southern West Virginia (Boone-Logan) with the Interstates in Charleston.

Like much of West Virginia, Region III is blessed with rich natural resources and the advantage of proximity to eastern markets. The primary challenge for the future is to use these advantages to develop and sustain a robust economy. Region III, along with the rest of the State of West Virginia, continues to experience the negative impact of the once thriving coal industry. Despite the difficult and extenuating circumstances, economic activity has developed in Region III.



Spotlighting Economic Growth in the Region

Learning, Innovation, Food & Technology Center - LIFT Center

Development is under way for the Learning, Innovation, Food & Technology Center, also known as the LIFT Center. The LIFT Center will be located on the East End of Charleston at the current site of Kanawha Manufacturing. The LIFT Center will reuse existing manufacturing space by converting the location into a facility used to develop alternative / renewable energy, workforce training, and a commercial food hub. This initiative is being led by the City of Charleston and the Charleston Area Alliance, in partnership with Marshall University, Coalfield Development Corporation and Advantage Valley. The LIFT Center also includes private investments by Parthian Battery Solutions, BETA Air, Dickinson Renewables and Edelen Renewables.

The LIFT Center will include the new Marshall Green Battery Institute which will provide research



and development on electric batteries for clean vehicles, zero-emissions airplanes, and renewable energy storage. The LIFT Center will research and develop green technology, as well as provide job training. The LIFT Center will also house a Coalfield Development job training center and Refresh Appalachia.

Governor Justice Presenting \$2 Million for the LIFT Center. Pictured above is Nicole Christian, David Ferretti, Governor Jim Justice, Drew Dunlap, Adam Krason



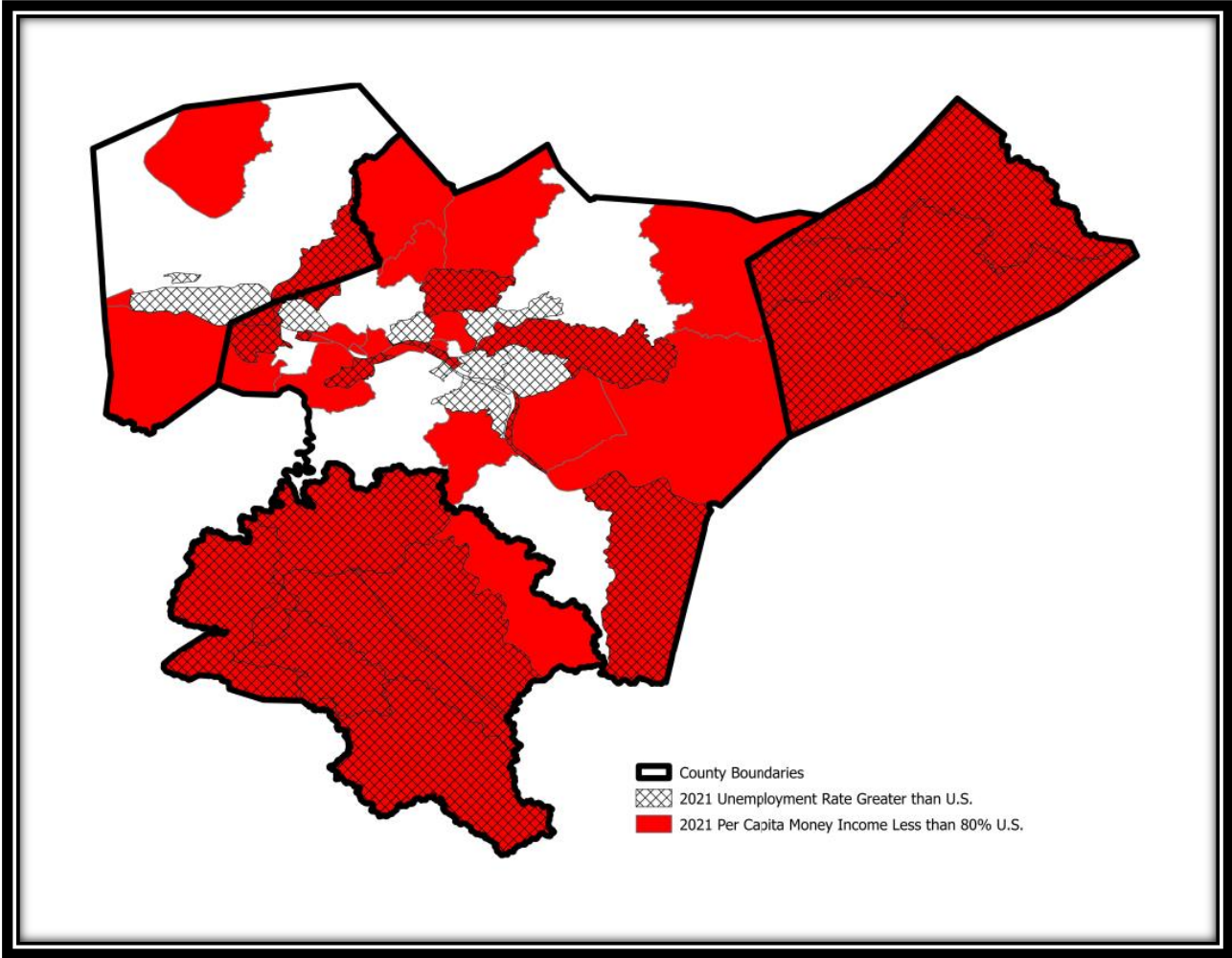
SWOT Analysis at a Glance from the FY 2023 CEDS Committee

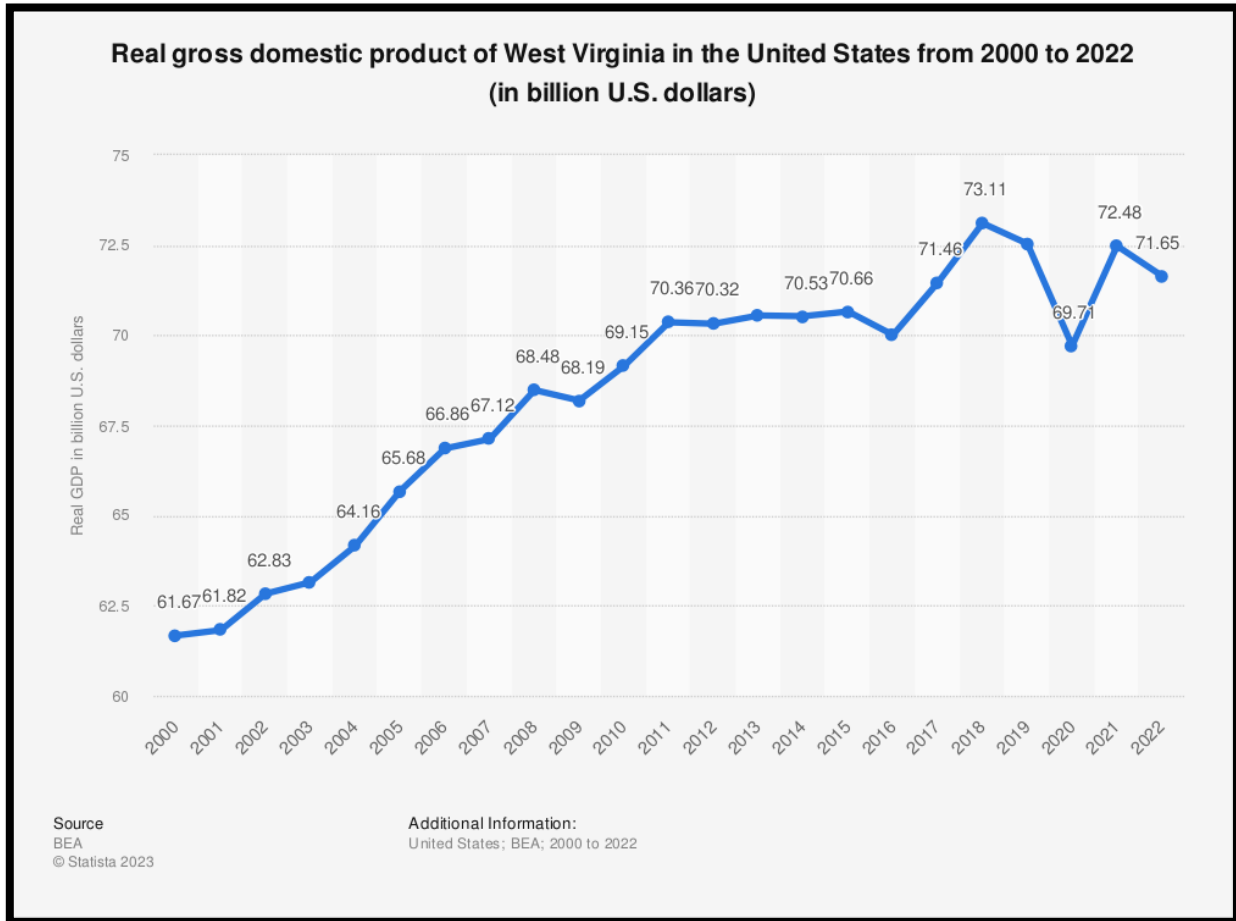
<p>Strengths</p> <ol style="list-style-type: none"> 1. Transportation Access 2. Abundant Workforce 3. Diversity of Industry and Business 4. Natural Resources 5. Education 6. WV Regional Technology Park 7. Workforce Opportunity 	<p>Opportunities</p> <ol style="list-style-type: none"> 1. Bank Loans and Grants for Businesses 2. Out of Country or State Investors 3. Re-employment of Idle Workforce 4. Shale Gas Industry 5. Health Care 6. Startup Businesses in Technology 7. Entrepreneurial Development 8. Remote Work 9. Leveraging Tourism 10. Former Mine Sites
<p>Weaknesses</p> <ol style="list-style-type: none"> 1. Lack of Developable Building Sites 2. Layoff of Workers 3. Lack of Infrastructure 4. Lack of Trained Workers 	<p>Threats</p> <ol style="list-style-type: none"> 1. Local Businesses Shutting Down 2. Workforce Readiness 3. Lack of Capital 4. Opioid Epidemic 5. Threat of Vacancy

The detailed SWOT Analysis is included in the FY 2019 – 2023 CEDS



WV Region III Map of Distressed Census Tracts





U.S. real GDP of West Virginia 2000-2022

In 2022, the real gross domestic product (GDP) of West Virginia was 71.65 billion U.S. dollars. This is a decrease from the previous year, when the state's real GDP stood at 72.48 billion U.S. dollars.

Above description obtained from Statista, published on 4/5/2023

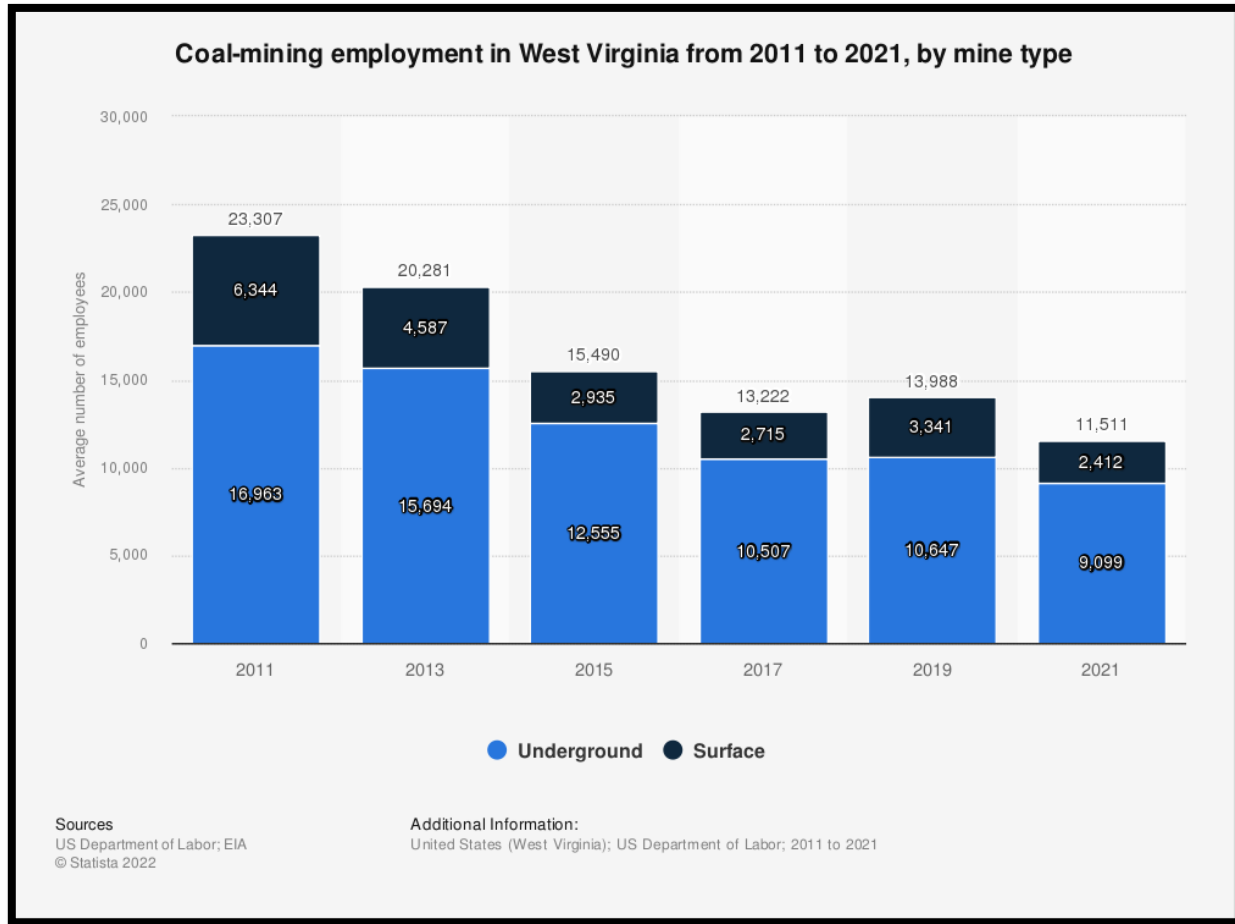


Table obtained from Statista - Source: US Department of Labor, EIA

Coal-mining employment in West Virginia 2011-2021

In 2021, 11,511 people were working in West Virginia's coal industry in total. Of that number, around 79 percent of the employees worked in underground coal mines.

Coal-mining in West Virginia

Coal-mining in West Virginia totaled 13,962 jobs in 2018, with 10,767 jobs located in underground mines and 3,195 jobs dedicated to surface mines. In 2020, two out of ten leading underground coal mines by production are in West Virginia. In the Appalachian region, where West Virginia is located, there were nearly 34,000 coal mining jobs in 2020, down from nearly 30,620 in 2018.

West Virginia’s standing as a U.S. coal producer

In 2009, coal was extracted from 51 different coal seams in the state, and there are 65 seams located in the region that are considered economically viable. While West Virginia is not the first largest producer of coal in the United States, it nevertheless remains one of



the largest producers in the United States, only surpassed by Wyoming. In 2020, Wyoming produced 218.6 million short tons of coal, and West Virginia produced some 67.3 million short tons. Despite being one of the largest producers in the United States, coal consumption is greater in many other U.S. states than in West Virginia.

Above description obtained from Statista and published by M. Garside on 12/15/2022

West Virginia State Energy Profile Quick Facts



- In 2020, West Virginia ranked fourth among the states in total energy production, accounting for 5% of the nation's total.
- In 2021, West Virginia was the second-largest coal producer in the nation, after Wyoming, and accounted for 14% of U.S. total coal production. West Virginia also had 12% of recoverable coal reserves at producing mines, the third-largest reserve base in the nation, after

Wyoming and Illinois.

- In 2021, coal-fired electric power plants accounted for 91% of West Virginia's total electricity net generation. Renewable energy resources—primarily hydroelectric power and wind energy—contributed 5% and natural gas provided more than 4%.
- In 2021, West Virginia was fourth in the nation in natural gas marketed production. The state produced nearly 2.8 trillion cubic feet of natural gas, about 10 times more than in 2010, and 95% of it was from shale gas wells.
- West Virginians typically use about half of the electricity generated in the state. As a result, West Virginia is a net supplier of electricity to the regional grid and is among the top states in interstate transfers of electricity. In 2021, only four other states sent more of their electricity generation out of state.



Source: U.S. Energy Information Administration Last Updated: December 15, 2022

According to the U.S. Energy Information Administration, West Virginia was the second-largest coal producer in the nation in 2021. Though, the declining coal production has hurt the economy in West Virginia. However, the region continues to find ways to diversify the economy and spur economic growth.



POWER (Partnerships for Opportunity and Workforce and Economic Revitalization)

The POWER is a congressionally funded initiative that is comprised of multiple agencies and makes federal resources available to help communities and regions that have been affected by job losses in coal mining, coal power plant operations, and coal-related supply chain industries due to the changing economics of America's energy production. Federal resources are obtained to help these affected areas to promote economic re-growth, enhance diversity, and accentuate alternative job training in hopes of developing opportunities for

reemployment.

As stated on the Appalachian Regional Commission websites: Since 2015, ARC has invested nearly \$368.1 million in 449 projects touching 360 counties across Appalachia through the POWER Initiative. Together, these investments are projected to create or retain more than 40,000 jobs, leverage more than \$1.57 billion in additional private investments into Appalachia’s economy and prepare over 100,000 workers and students for opportunities in entrepreneurship, broadband development, tourism, and other industry sectors.

2022 POWER GRANT AWARD SUMMARIES
INFLUENCING REGION III:

Project Title: High-technology Advanced Manufacturing Initiative (HAMI)

Grantee: West Virginia Regional Technology Park Corporation

Award Amount: \$886,762

Announcement Date: March 2022

Project Summary: ARC grant of \$886,762 to the West Virginia Regional Technology Park Corporation in South Charleston, West Virginia, for the High-technology Advanced Manufacturing Initiative (HAMI). In partnership with the Robert C. Byrd Institute (RCBI) of Marshall University, the project will provide hands-on training in the form of customized on the job training for incumbent workers; fast-track, short-term customizable training and traditional academic courses (1- and 2-year program options) for under and unemployed individuals; and single topic course offerings for incumbent, underemployed, and unemployed individuals. Training will guide participants to manufacturing career opportunities and includes industry-recognized credentials, formal skill set certificates, a one-year Certificate of Applied Science degree, and an Associate of Applied Science degree. The project will serve six counties in central West Virginia that have been adversely affected by the loss of jobs in coal mining or coal-supply chain industries. The project will work closely with local economic development organizations, such as the Charleston Area Alliance and local manufacturing industry partners. Over the first two years, the project team expects to serve 33 students and 195 workers, as well as improve 15 local businesses.



Project Title: Creating Regional Outdoor Recreation Economy

Grantee: Kanawha County Commission

Award Amount: \$675,210

Announcement Date: March 2022

Project Summary: ARC grant of \$675,210 to the Kanawha County Commission in Charleston, West Virginia, for the Creating Regional Outdoor Recreation Economy project. Following an outdoor-recreation-based economic development strategy for the Upper Kanawha Valley (Kanawha and Fayette counties) that was completed in January 2021, the project will focus on the development of the hiking and water trails, trailheads, camping locations and other lodging, and welcome centers, which link the anchor attractions and communities together. This is coupled with the delivery of business support services to expand and create new businesses in coal-impacted communities that support an outdoor recreation economy. With the support of the Claude Worthington Benedum Foundation, the project is expected to create 60 jobs, serve 11 communities, and produce 10 specialized development plans.

Project Title: Generation WV's High POWER Impact Project

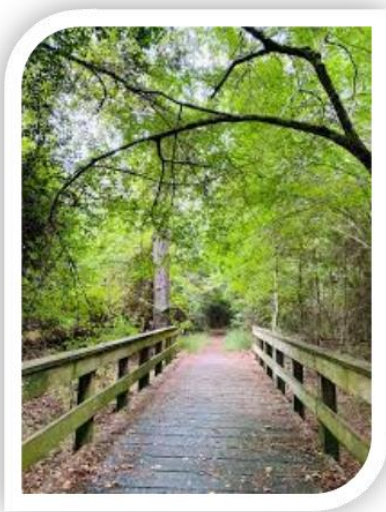
Grantee: Generation WV

Award Amount: \$523,253

Appalachian Regional Commission, March 2022 Page 9

Announcement Date: March 2022

Project Summary: ARC grant of \$523,253 to Generation West Virginia (GWV) in Charleston, West Virginia, for the Generation WV High POWER Impact Project. The project will expand and enhance GWV's successful Impact Fellowship to help employers recruit and retain next generation leaders and rebuild coal-impacted economies across West Virginia. This fills the gap in programming for early-career leadership programs in the state by providing "matchmaking" services to quality employers and jobseekers via the new GWV Career Connector as well as professional development programming with the Impact Fellowship. The project aims to retain young talent in West Virginia. Over the three-year grant period, the project anticipates serving 90 early-career workers in the fellowship program, improving 60 local businesses, and leveraging approximately \$7,800,000 in private investment from host employers. Generation WV will be supported by multiple partners, including the Claude Worthington Benedum Foundation, the West Virginia Development Office, and the Just Transition Fund.



Transportation Alternatives Grants

The Transportation Alternative grants are administered by the West Virginia Department of Transportation and funded by the Federal Highway Administration. The grants help towns and cities improve their network of recreational trails, biking/walking paths, sidewalks, and more, by either building from scratch or enhancing what they already have through various types of projects.

Region III Transportation Alternatives Projects

Kanawha County

City of Nitro – \$100,000

Nitro Second Avenue Streetscape Construction

Renovation of sidewalk for ADA-compliance and beautification of a street in the city center of Nitro.

Town of Clendenin – \$110,000

Elk River Trailhead

The Town of Clendenin will be the final stop or starting point of the anticipated 80-mile-long non-motorist trail that will connect Clendenin with the Town of Clay. This project aims to highlight that status with a trailhead to service public facilities needed for trail operation.

Putnam County

Town of Poca - \$325,000

Poca Laurel Avenue Sidewalk Extension Design and Construction

Renovation of sidewalk for ADA-compliance and construction of new sidewalk to connect a residential area of town with Main Street amenities.

Putnam County Commission – \$3,000,000

Mount Vernon Road Sidewalks

Utilizing the Hurricane-Teays Valley suballocated Surface Transportation Block Grant (STBG) Transportation Management Area (TMA) funds, RIC assisted with the development of local match dollars from the State of West Virginia for new sidewalk along Mount Vernon Road in Teays Valley, WV.



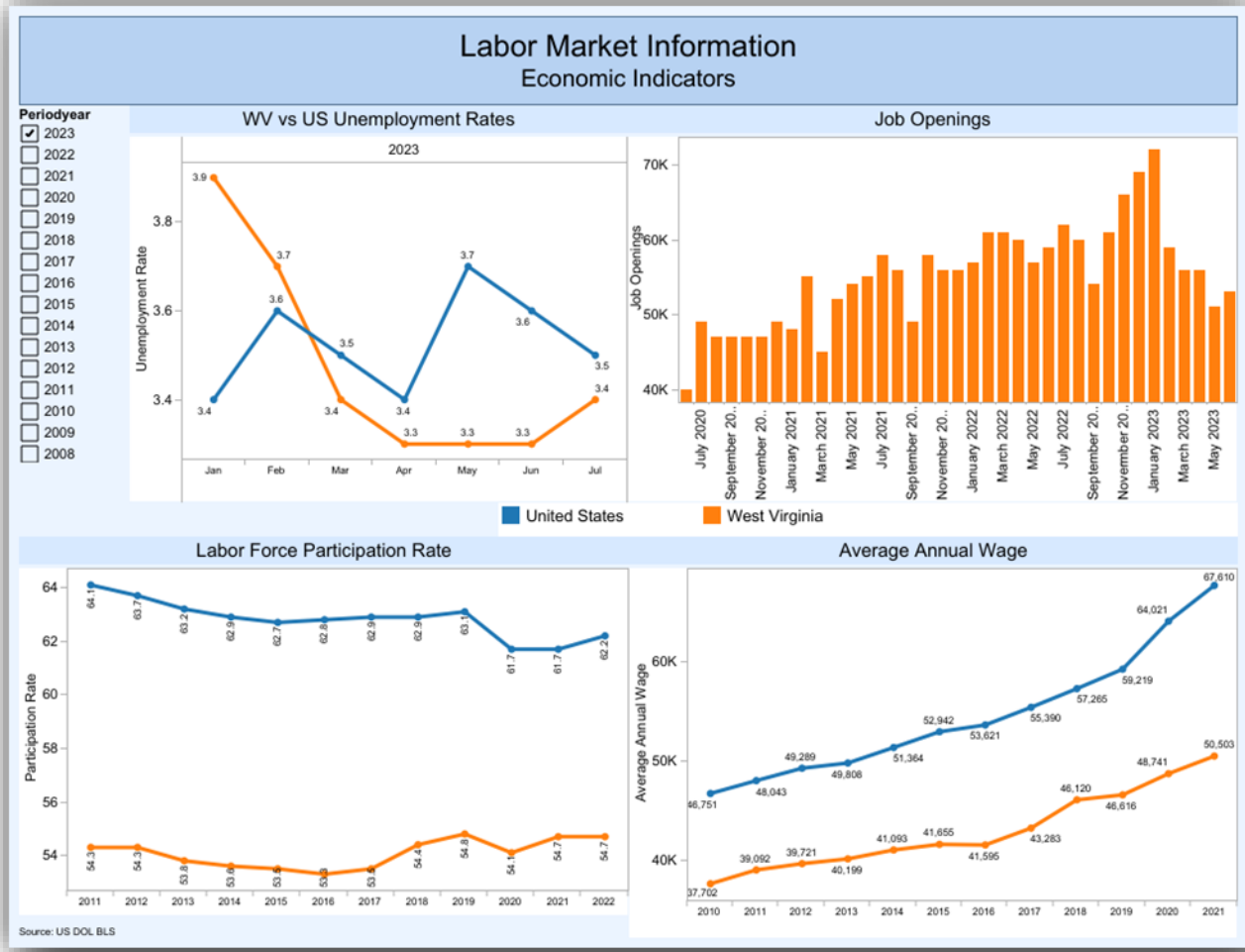
Demographics

The table below displays the amounts of civilian labor force, total employment, total unemployment, and percentages of unemployment rates for each of the four counties in Region III. As of July 2023, the State of West Virginia had an unemployment rate of 3.4 % compared to the national unemployment rate of 3.5%.

Civilian Labor Force, Employment and Unemployment

	Civilian Labor Force		Total Employment		Total Unemployment		Unemployment Rate	
	June 2023	June 2022	June 2023	June 2022	June 2023	June 2022	June 2023	June 2022
Boone County	7,230	7,460	6,910	7,070	320	390	4.4%	5.2%
Clay County	3,000	3,120	2,830	2,910	170	210	5.7%	6.6%
Kanawha County	8,1620	83,790	78,630	80,420	2,980	3,360	3.7%	4.0%
Putnam County	27,770	27,440	26,850	26,410	920	1,030	3.3%	3.8%

Information in table obtained from WorkForce West Virginia



Charts obtained from WorkForce West Virginia.



BOONE COUNTY



Boone County Courthouse



Boone County was formed in 1847 from portions of Kanawha, Cabell, and Logan Counties. The County was named after Daniel Boone, a noted hunter and explorer, who made his home in the Great Kanawha Valley from 1788 to 1795. Located in southwestern West Virginia, Boone County borders Kanawha, Lincoln, Logan, Wyoming, and Raleigh counties. Madison is the county seat, with three other municipalities of Danville, Whitesville, and Sylvester, nearby. The Madison/Danville area of Boone County is approximately 37 miles south of Charleston. The county area is 503 square miles and lies in the Appalachian Plateau. Most of the area is divided by streams and water courses, which give the region the appearance of an endless formation of hills and contrasting valleys.

Distance to Major Cities from Madison

Atlanta.....	517 miles
Chicago.....	512 miles
Cincinnati.....	222 miles
Cleveland.....	281 miles
Columbus.....	241 miles
Lexington.....	181 miles
New York.....	560 miles
Pittsburgh.....	257 miles
Washington, DC.....	391 miles

TRANSPORTATION

Highways

One U.S. and two state highways serve Boone County. Providing service to Madison and Danville is U. S. 119 (Corridor G) which connects with Charleston, West Virginia, and the State of Pennsylvania to the northeast; and with Logan and Williamson, West Virginia, and the State of Kentucky to the south.

Public Transportation

Tri-River Transit in Hamlin, Lincoln County, provides limited local transit service in Boone County. Routes include Clothier to Madison and Wharton to Madison.

The Boone County community organization provides various transportation services for senior services.

Rail Service

The CSX system supplies freight service to the communities in Boone County.

Air Service

The nearest commercial airport is Yeager Airport at Charleston, with a distance of 37 miles.



FY 2023 RDP

UTILITIES

Water

Boone County Public Service District supplies water to Madison and Danville, as well as other portions of Boone County. Much of the water in Boone County is supplied by West Virginia American Water through a public-private partnership.

Electric

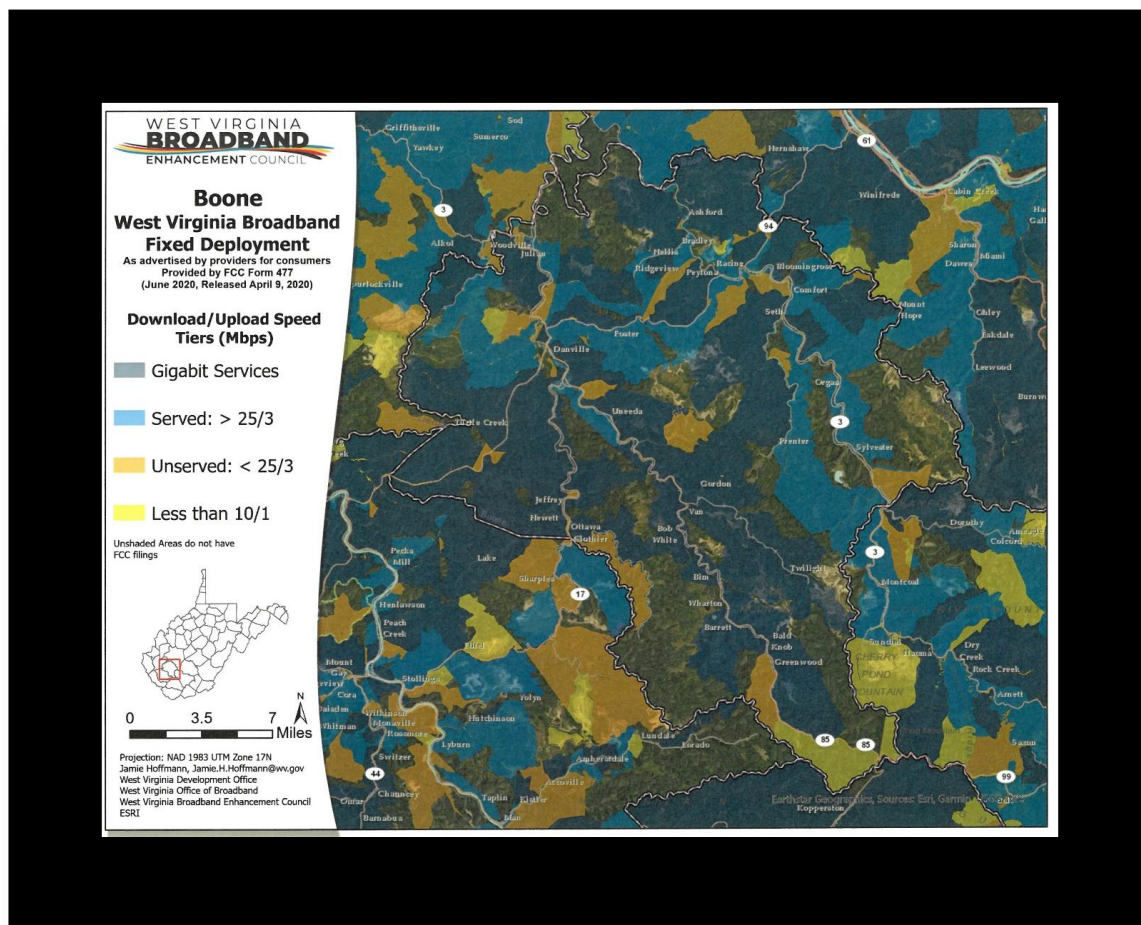
American Electric Power (AEP) provides electric power throughout Boone County.

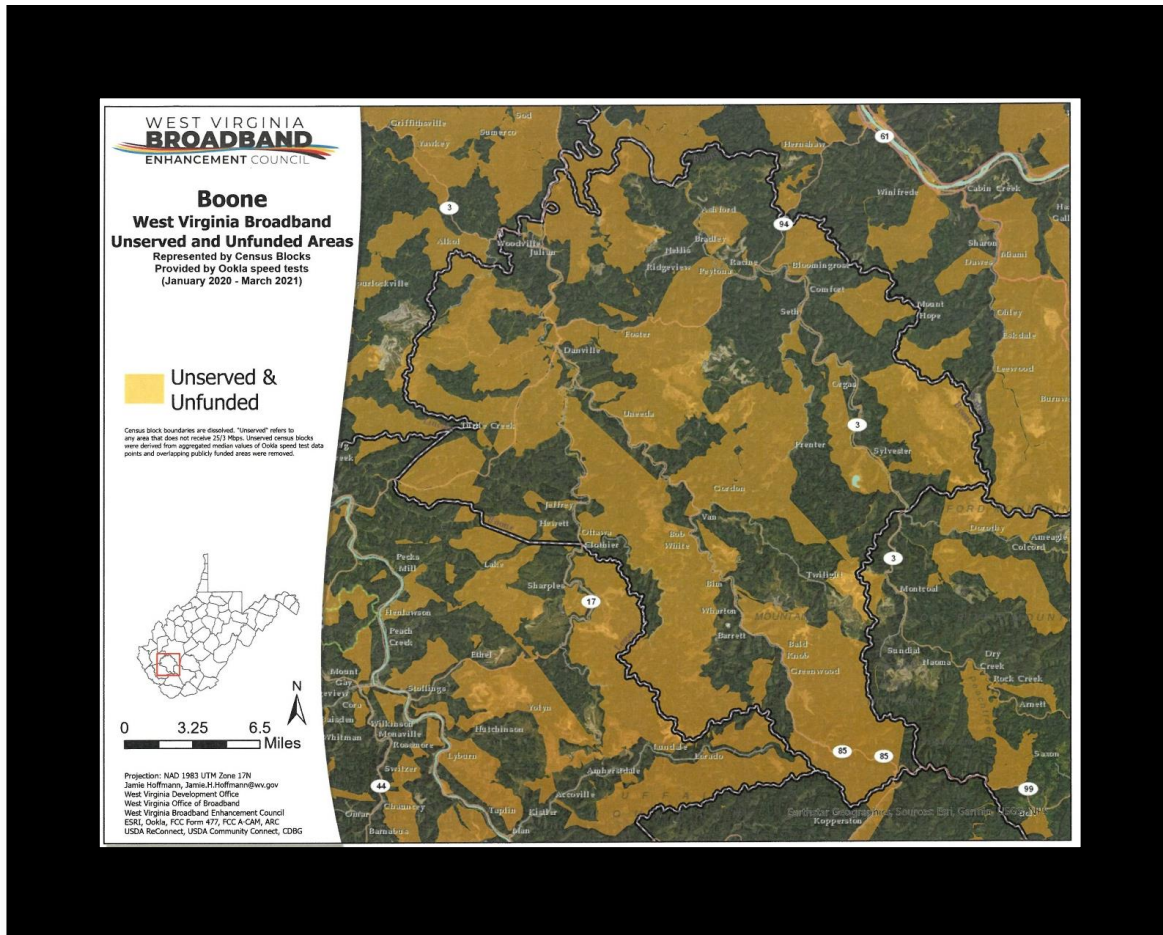
Gas and Other

Natural gas is supplied by Ashford Gas, Southern Public Service District, Pennzoil and Hope Natural Gas, Inc. Coal, fuel oil and propane are readily available from local suppliers.

Broadband

Mapping of Broadband Fixed Development Download/Upload Speed and Unserved/Unfunded Areas in Boone County, provided by the West Virginia Broadband Enhancement Council.





The following “Quality of Life” facts exist in Boone County:

- Low crime rate
- County-wide 911 service and ambulance service
- 8 fully equipped volunteer fire departments
- Two National Blue-Ribbon Schools
- Three WV Schools of Excellence
- Hatfield-McCoy Trail Visitors’ Center
- Fully staffed hospital in Madison
- Nursing and Rehabilitation Center
- Housing Complexes for Seniors and the Elderly
- Public libraries in Madison, Whitesville, Wharton, and Racine
- Public Transportation
- 8 Community and Recreational Centers



- Waterways Park
- County and Municipal Parks and Pools
- Fishing and Hunting Facilities
- National Mine Disasters Memorial
- National Historic District at Nellis
- Coal Heritage Museum in Madison
- County Courthouse on National Register of Historic Places
- Annual Festivals in Madison, Danville, Whitesville & Sylvester
- Miles of beautiful, scenic trails for outdoor, recreational use
- Four-lane Highway Access
- Thirty-minute drive to State Capitol
- Rail and Motor Carrier Freight Service
- 3-Mile Walking Trail in Madison to Promote Wellness

ECONOMY

Boone County is an area that has relied and thrived primarily on coal production and continues to struggle after the closure of several mines in the area. Boone County is diversifying with job opportunities being created outside of the coal industry. The Appalachian Corridor G through Boone County promotes residential and commercial development. Tourism also brings business opportunities to Boone County. The county's section of the Hatfield-McCoy Recreational Trails offers outdoor recreational opportunities to off-road enthusiasts, including ATV riders and motorcyclists.

Despite these initiatives, the economy is still heavily dependent on the coal industry and needs to continue to identify new opportunities for economic growth. The unemployment rate decreased from 5.2% in June 2022 to 4.4% in June 2023.

Spotlighting New Businesses in Boone County



Horse Creek Cabins

Horse Creek Cabins, which opened for business in June 2022, is located at 6069 Horse Creek Road in Spurlockville. The cabins are only a few minutes from the Hatfield & McCoy Ivy Branch Trail and the SEVA project (former Hobet Mine site). They are set in a peaceful rural setting with abundant wildlife and offer modern amenities with a beautiful wood design. Horse Creek Cabins boasts outside patio dining, plenty of room for parking and the ability to ride your side by side directly to the trails.



Boone County United States Census Bureau QuickFacts

Boone County - People Quick Facts	Boone County	West Virginia	United States
Population estimates July 1, 2022	20,968	-	-
Population, 2021 estimate	21,367	-	-
Population, 2020 (April 1) estimates base	21,807	-	-
Population, percent change - April 1, 2020 to July 1, 2022	-3.8%	-1.0%	0.6%
Population, Census, April 1, 2020	21,809	1,793,716	331,449,281
Population, Census, April 1, 2010	24,629	1,852,994	308,745,538
High school graduate or higher, percent of persons age 25+, 2017-2021	84.1%	88.1%	88.9%
Bachelor's degree or higher, percent of persons age 25+, 2017-2021	11.3%	21.8%	33.7%
Veterans, 2017-2021	1,339	-	-
Mean travel time to work (minutes), workers age 16+, 2017-2021	31.7	26.0	26.8
Housing units, July 1, 2021	10,152	-	-
Owner-occupied housing unit rate, 2016-2020	78.2%	73.9%	64.6%
Median value of owner-occupied housing units, 2017-2021	\$80,100	\$128,800	\$244,900
Households, 2017-2021	78,21	-	-
Persons per household, 2017-2021	2.81	2.47	2.60
Per capita income in past 12 months (2021 dollars), 2017-2021	\$23,630	\$28,761	\$37,638
Median household income, (2021 dollars) 2017-2021	\$50,598	\$50,884	\$69,021
Persons in poverty, percent	24.7%	16.8%	11.6%
Households with a computer, 2017-2021	88.2%	87.6%	93.1%
Households with broadband Internet subscription 2017-2021	83.1%	80.8	87.0%
Persons without health insurance, under age 65 years	8.3%	7.6%	9.8%
Persons with a disability, under age 65 years	18.8%	14.1%	8.7%
In civilian labor force, total, percent of population age 16 years +, 2017-2021	42.1%	53.2%	63.1%
Total employer establishments, 2020	230	-	-
Population per square mile, 2020	43.5	74.6	93.8
Population per square mile, 2010	49.1	77.1	87.4

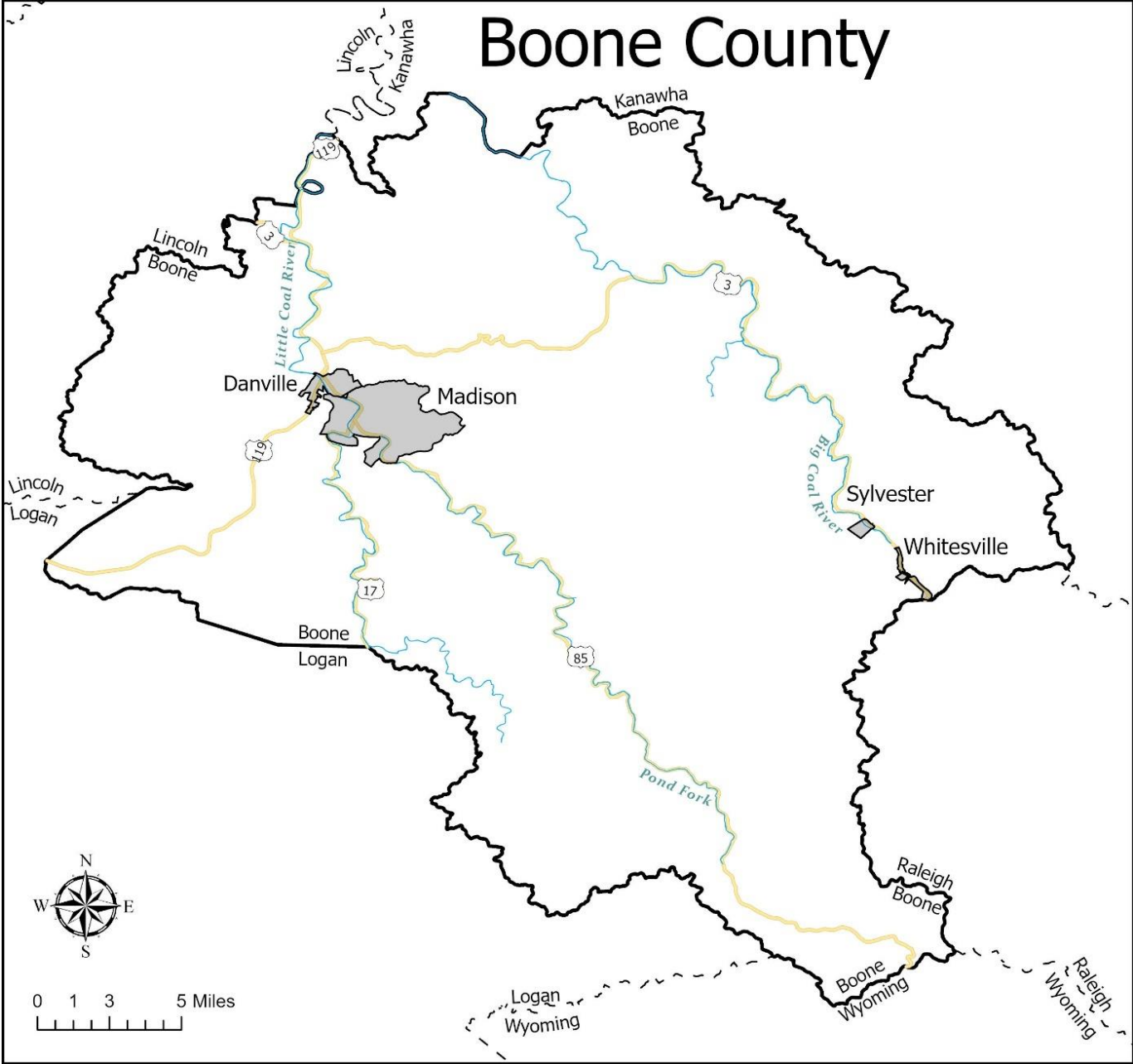
Source: United States Census Bureau



Top Ten Employers in Boone County

1. Boone County Board of Education
2. Blackhawk Mining, LLC
3. Boone Memorial Hospital, Inc.
4. Loved Ones in Home Care, LLC
5. Hillcrest Health Care Center, LLC
6. Pro Careers, Inc.
7. Kroger
8. Little General Store, Inc.
9. Panhandle Support Services, Inc.
10. Boone County Commission

Source: Workforce WV, March 2022





Town of Danville

Location

The Town of Danville is located along Route 3 and Corridor G in Boone County. It is bounded in the east by the City of Madison and bisected by the Coal River.

Households and Families

In 2017-2021, there were 273 households in the Town of Danville. The average household size was 2.59 people.

Married-couple households made up 39.2 percent of the households in the Town of Danville while cohabiting couple households made up 14.3 percent of households. Female householders with no spouse or partner present were 28.9 percent of all households, while 17.6 percent of households had male householders with no spouse or partner present. Some households had one person, as 15.8 percent of households were male householders living alone, and 23.1 percent were female householders living alone, for a total of 38.9 percent of all households.

In the Town of Danville, 24.5 percent of all households have one or more people under the age of 18; 51.3 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the Town of Danville had a total population of 781 - 425 (54.4 percent) females and 356 (45.6 percent) males. The median age was 46.8 years. An estimated 19.2 percent of the population was under 18 years, 29.3 percent was 18 to 44 years, 19.6 percent was 45 to 64 years, and 31.9 percent was 65 years and older.

Income

The median income of households in the Town of Danville was \$38,472. An estimated 14.3 percent of households had income below \$10,000 a year and 2.2 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



City of Madison

Location

The City of Madison is located along Route 3 and Route 85 in Boone County and is bordered by the City of Danville to the west. The City of Madison is bisected by the Coal River and is the County seat.

Households and Families

In 2017-2021, there were 1,047 households in the City of Madison. The average household size was 2.77 people.

Married-couple households made up 60.2 percent of the households in the City of Madison while cohabiting couple households made up 4.1 percent of households. Female householders with no spouse or partner present were 15.1 percent of all households, while 20.6 percent of households had male householders with no spouse or partner present. Some households had one person, as 19.1 percent of households were male householders living alone, and 9.1 percent were female householders living alone, for a total of 28.2 percent of all households.

In the City of Madison, 29.1 percent of all households have one or more people under the age of 18; 50.3 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the City of Madison had a total population of 2,913 - 1,297 (44.5 percent) females and 1,616 (55.5 percent) males. The median age was 46.8 years. An estimated 18.8 percent of the population was under 18 years, 28.4 percent was 18 to 44 years, 28.2 percent was 45 to 64 years, and 24.5 percent was 65 years and older.

Income

The median income of households in the City of Madison was \$51,982. An estimated 2.8 percent of households had income below \$10,000 a year and 0.7 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



Town of Sylvester

Location

The Town of Sylvester is located along Route 3 in the southeastern area of Boone County. It borders the Coal River and the Town of Whitesville.

Households and Families

In 2017-2021, there were 59 households in the Town of Sylvester. The average household size was 3.10 people.

Married-couple households made up 54.2 percent of the households in the Town of Sylvester while cohabiting couple households made up 3.4 percent of households. Female householders with no spouse or partner present were 42.4 percent of all households, while 0.0 percent of households had male householders with no spouse or partner present. Some households had one person, as 0.0 percent of households were male householders living alone, and 28.8 percent were female householders living alone, for a total of 28.8 percent of all households.

In the Town of Sylvester, 35.6 percent of all households have one or more people under the age of 18; 45.8 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the Town of Sylvester had a total population of 183 - 106 (57.9 percent) females and 77 (42.1 percent) males. The median age was 38.7 years. An estimated 26.2 percent of the population was under 18 years, 37.7 percent was 18 to 44 years, 14.2 percent was 45 to 64 years, and 21.9 percent was 65 years and older.

Income

The median income of households in the Town of Sylvester was \$57,188. An estimated 0.0 percent of households had income below \$10,000 a year and 0.0 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



Town of Whitesville

Location

The Town of Whitesville is located in the southeastern most area of Boone County on Route 3 near the Raleigh County line. It is bordered on the west by Sylvester and is approximately 30 miles from Madison, the county seat.

Households and Families

In 2017-2021, there were 79 households in the Town of Whitesville. The average household size was 2.51 people.

Married-couple households made up 30.4 percent of the households in the Town of Whitesville while cohabiting couple households made up 27.8 percent of households. Female householders with no spouse or partner present were 19.0 percent of all households, while 22.8 percent of households had male householders with no spouse or partner present. Some households had one person, as 13.9 percent of households were male householders living alone, and 10.1 percent were female householders living alone, for a total of 24.0 percent of all households.

In the Town of Whitesville, 30.4 percent of all households have one or more people under the age of 18; 25.3 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the Town of Whitesville had a total population of 198 - 95 (48.0 percent) females and 103 (52.0 percent) males. The median age was 37.9 years. An estimated 19.2 percent of the population was under 18 years, 47.0 percent was 18 to 44 years, 23.8 percent was 45 to 64 years, and 10.1 percent was 65 years and older.

Income

The median income of households in the Town of Whitesville is \$20,313. An estimated 19.0 percent of households had income below \$10,000 a year and 0.0 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



CLAY COUNTY



Historic Clay County Courthouse



Clay County was formed in 1858 from parts of Braxton, Kanawha, and Nicholas counties. Named in honor of Henry Clay, a Kentucky statesman, Clay County is located in central West Virginia. The county area is 346.61 square miles and the 2022 census shows a population of 7,814. Most of the county has an elevation of 1,000 feet or greater above sea level. The county seat is the Town of Clay, located 42 miles from Charleston, West Virginia.

Distance to Major Cities from Clay

Atlanta.....	511 miles
Chicago.....	589 miles
Cincinnati.....	301 miles
Cleveland.....	294 miles
Columbus.....	205 miles
Lexington.....	222 miles
New York.....	509 miles
Pittsburgh.....	204 miles
Washington, DC.....	336 miles

TRANSPORTATION

Highways

Clay County is served by I-79, which provides service from Charleston, WV to Erie, PA, and State Routes 36, 16 and 4.

Public Transportation

Specialized Transportation, primarily for the elderly, is provided by the Clay County Development Corporation.

Rail Service

Clay County currently has no operating rail lines.

Bus Service

No public bus service is available.

Air Service

Service to Clay County is provided by Yeager Airport, located 10 minutes from downtown Charleston and about an hour from Clay.

UTILITIES

Water

Water is provided by The Town of Clay, Clay County Public Service District, Clay-Roane Public Service District, and Queen Shoals Public Service District.



FY 2023 RDP

Electric

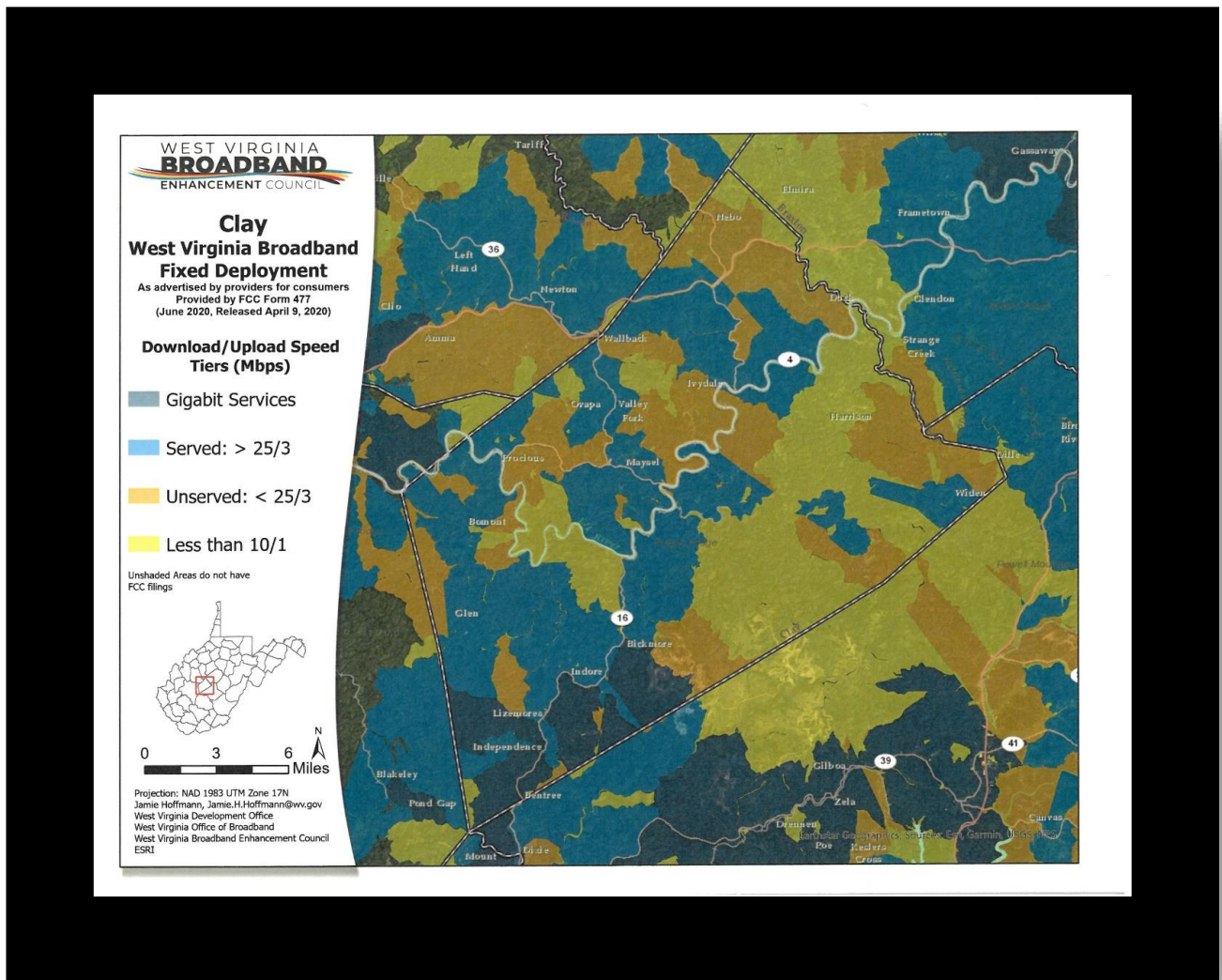
Elk Power, American Electric Power (AEP) and Allegheny Power provide electrical power to the area.

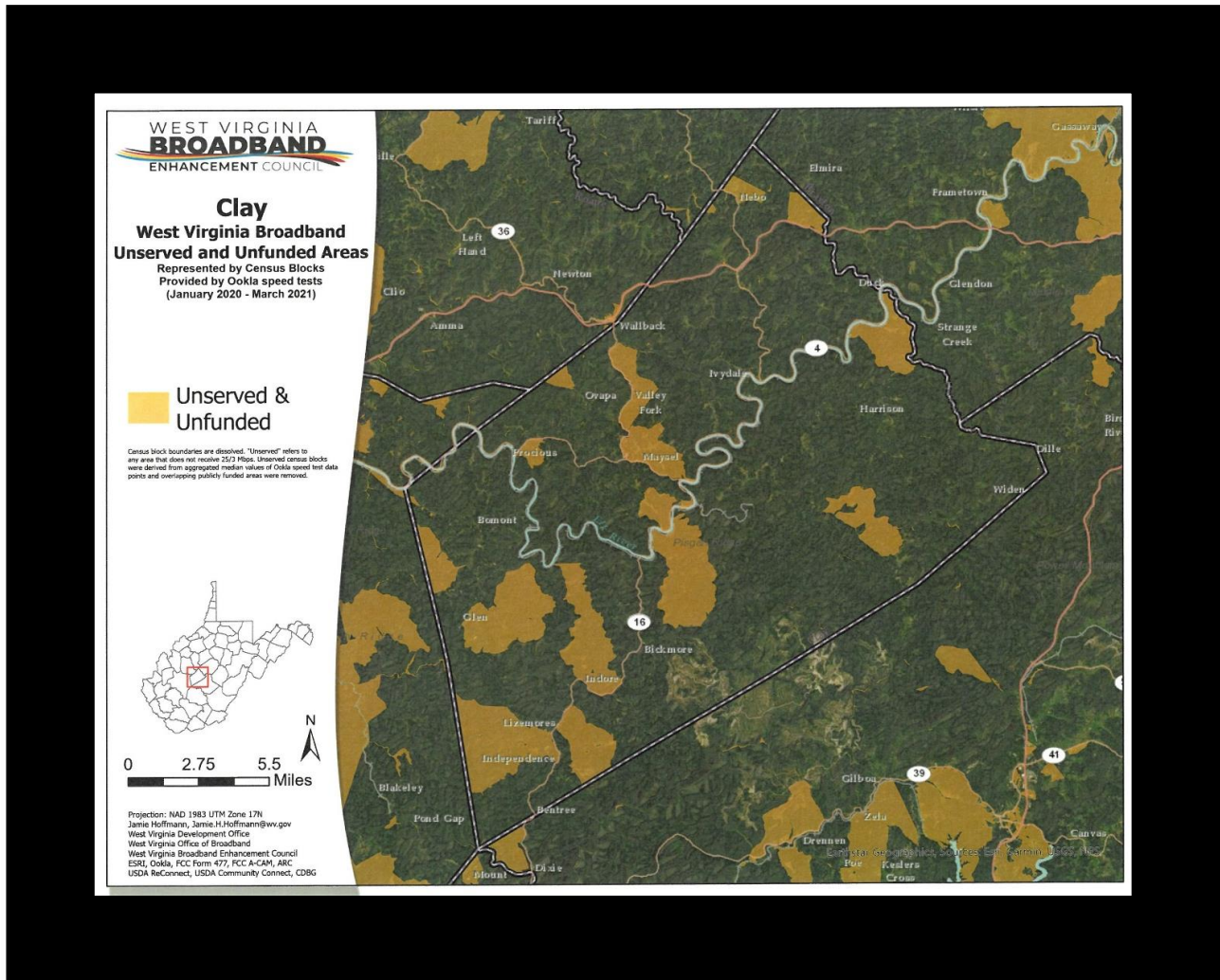
Gas and Other

Mountaineer Gas is the major provider. Coal, fuel oil and propane are readily available from local suppliers.

Broadband

Mapping of Broadband Fixed Development Download/Upload Speed and Unserved/Unfunded Areas in Clay County, provided by the West Virginia Broadband Enhancement Council.







The following “Quality of Life” facts exist in Clay County:

- Low crime rate
- Two county-wide ambulance services
- Fully equipped volunteer fire department
- One national Blue-Ribbon school
- Public Library
- Primary Health Care Center
- Nursing and Rehabilitation Center
- Clay County Wellness Center
- Annually held events include the Golden Delicious Apple Festival, the July 4th celebration, and Agricultural Fair.
- County and Municipal Park and Pool
- 28-acre park near Maysel
- Fishing, swimming, and canoeing is available on the Elk River
- J. G. Bradley Campground
- Buffalo and Gauley Creek Scenic Railroad
- Within 1 hour of State Capitol

ECONOMY

Clay County is the poorest county in the region with a median household income in 2021 of \$37,197. It is designated by the Appalachian Regional Commission as “distressed”. Economic challenges include its relative inaccessibility and lack of developable land. Over half of workers living in Clay County commute outside the county to work, with the largest single employer in Clay County being the Clay County Board of Education.

Clay County is included in a federally designated Enterprise Community, named the Central Appalachia Empowerment Zone of West Virginia (CAEZ), and as such, is entitled to increased state and federal grant assistance. In the application for funding as a Rural Empowerment Zone, the following five areas of need are highlighted: 1) Economic Development; 2) Education; 3) Housing; 4) Health and 5) Emergency Services.

As a result of CAEZ, improvements in the education system have occurred: pre-school programs are in place at elementary schools and a program in Clay County High School teaches students to build houses.



Spotlighting Economic Development in Clay County

Reclaimed Fola Surface Mine Site Turned into Military Training Location



The Civil-Military Institute (CMI2) has turned Fola, a reclaimed surface mine site not far from Clay into what is said to become a training facility in the United States for military and civilian entities.

The reclaimed site includes 13,000 acers of challenging topography and soldiers are using 5,000 of those acers for training exercises. In the coming years there will be many military exercises as the training area grows. The Dirt Days (Driving Innovation in Realistic Training) is one example of the training exercises that take place at the site. Dirt Days is a joint effort between CMI2, the Department of Defense, research universities and non-traditional technology firms, that draws top-trained soldiers in the U.S. Army.

The location of the training grounds will provide Clay County with employment opportunities and promote business growth. There is also hope that the individuals who train at the site will see the rugged beauty that Clay County and West Virginia has to offer, and they will return with their families to the different tourist locations in the area.



Clay County United States Census Bureau QuickFacts

Clay County - People Quick Facts	Clay County	West Virginia	United States
Population estimate, July 1, 2022	7,814	-	-
Population, 2021 estimate	7,895	-	-
Population, percent change - April 1, 2021 to July 1, 2022	-2.9%	-1.0%	0.6%
Population, Census, April 1, 2020	8,051	1,793,716	331,449,281
Population, 2010	9,386	1,852,994	308,745,538
High school graduate or higher, percent of persons age 25+, 2017-2021	80.1%	88.1%	88.9%
Bachelor's degree or higher, percent of persons age 25+, 2017-2021	12.0%	21.8%	33.7%
Veterans, 2017-2021	475	-	-
Mean travel time to work (minutes), workers age 16+, 2017-2021	38.0	26.0	26.8
Housing units, July 1, 2021	3,944	-	-
Owner-occupied housing rate, 2017-2021	82.3%	73.9%	64.6%
Median value of owner-occupied housing units, 201-2021	\$87,700	\$128,800	\$244,900
Households, 2017-2021	2,896	-	-
Persons per household, 2017-2021	2.80	2.47	2.60
Per capita income in past 12 months (in 2020 dollars), 2017-2021	\$19,149	\$28,761	\$37,638
Median household income, (in 2021 dollars), 2017-2021	\$37,197	\$50,884	\$69,021
Persons in poverty, percent	22.3%	16.8%	11.6%
Households with a computer, 2017-2021	80.1%	87.6%	93.1%
Households with broadband Internet subscription 2017-2021	78.7%	80.8	87.0%
Persons without health insurance, under age 65 years	9.0%	7.6%	9.8%
Persons with a disability, under age 65 years	22.4%	14.1%	8.7%
In civilian labor force, total, percent of population age 16 years +, 2017-2021	39.5%	53.2%	63.1%
Total employer establishments, 2020	70	-	-
Population per square mile, 2020	23.5	74.6	93.8
Population per square mile, 2010	27.5	77.1	87.4

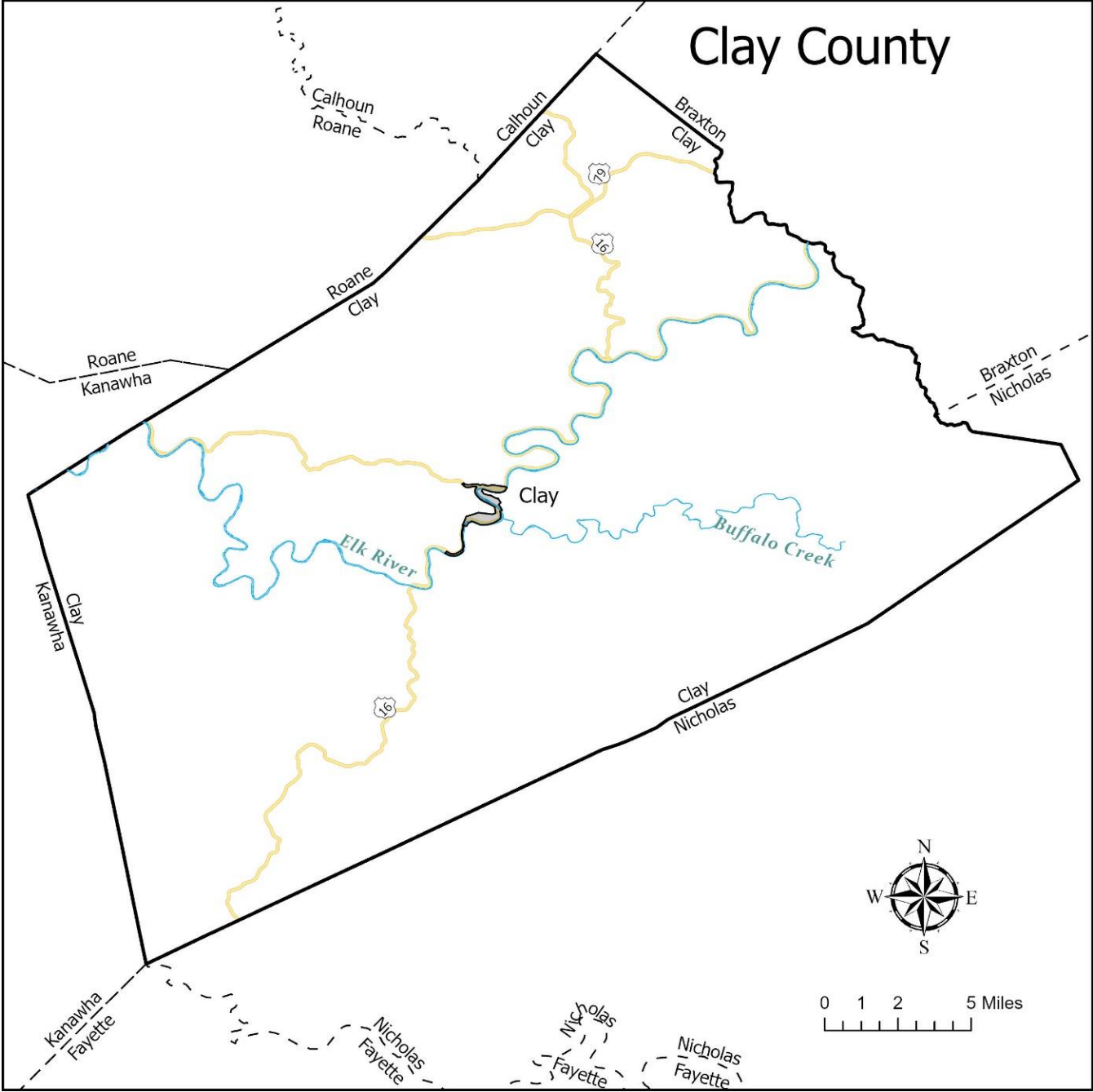
Source: United States Census Bureau



Top 10 Employers in Clay County

1. Clay County Board of Education
2. Clay Health Center, LLC
3. Clay Senior and Community Services
4. Consol Mining Company, LLC
5. Community Care of West Virginia, LLC
6. West Virginia Department of Highways
7. Clay County Commission
8. Employers' Innovative Network, LLC
9. Clay County Services Unlimited, Inc.
10. C. S. Masonry, LLC

Source: Workforce WV, March 2022





Town of Clay

Location

The Town of Clay is the only municipality in Clay County, West Virginia. It is located along Route 16 and the Elk River.

Households and Families

In 2017-2021, there were 200 households in the Town of Clay. The average household size was 3.06 people.

Married-couple households made up 18.5 percent of the households in Clay town, West Virginia while cohabiting couple households made up 30.5 percent of households. Female householders with no spouse or partner present were 39.5 percent of all households, while 11.5 percent of households had male householders with no spouse or partner present. Some households had one person, as 11.5 percent of households were male householders living alone, and 13.0 percent were female householders living alone, for a total of 24.5 percent of all households.

In the Town of Clay, 52.0 percent of all households have one or more people under the age of 18; 24.5 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the Town of Clay had a total population of 626 - 313 (50.0 percent) females and 313 (50.0 percent) males. The median age was 28.6 years. An estimated 42.2 percent of the population was under 18 years, 29.1 percent was 18 to 44 years, 19.7 percent was 45 to 64 years, and 9.1 percent was 65 years and older.

Income

The median income of households in the Town of Clay was \$11,442. An estimated 42.5 percent of households had income below \$10,000 a year and 0.0 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



KANAWHA COUNTY



Kanawha County Courthouse



Kanawha County combines the scenic beauty of the Appalachian Mountains with the developmental potential provided by a major river system and mild climate. Kanawha County is the largest county in the region with a population estimate of 175,515 in 2022. The Kanawha River Valley provides much of the flat land used for development in the area. In addition, the Elk River and Coal River serve Kanawha County. In Charleston, the Kanawha River lies 600 feet above sea level. Kanawha County has 913 square miles. The area’s geographical location and surrounding mountains insulate it from tornadoes and hurricanes.

Distance to Major Cities from Charleston

Atlanta.....	504 miles
Chicago.....	541 miles
Cincinnati.....	200 miles
Cleveland.....	252 miles
Columbus.....	167 miles
Lexington.....	178 miles
New York.....	530 miles
Pittsburgh.....	227 miles
Washington, DC.....	361 miles

TRANSPORTATION

Highways

Three major interstates serve the Kanawha Valley: I-64, I-79 and I-77.

Completed, Ongoing, or Obligated Highway Improvements:

➤ **WV 601 (Jefferson Road) Improvements in South Charleston:**

- Widen road to five lanes between Kanawha Turnpike and Corridor G.
- Construct a connector road from RHL Blvd. at Trace Fork Shopping Center to Jefferson Road.
- Construct the first flyover roundabout bridge in the State of West Virginia, over the CSX mainline tracks and Kanawha Turnpike.

Funding Source: FHWA and WVDOT
 Cost: \$60 million

- **Nitro-St. Albans I 64 Improvement Project:** The I-64 Improvement Project, currently in the construction phase, is a multi-year project that will widen I-64 from the US 35/I-64 Interchange to just east of the Nitro Interchange. The project will improve traffic volume capacity, enhance safety, and support continued economic growth in the area. Many Kanawha County workers commute from residential areas of Putnam County such as Poca, Teays Valley, or Hurricane.



Funding Source: FHWA and WVDOT
Cost: \$245 million

- **Kanawha City WV 61 Resurfacing** – A community requested project to resurface WV 61 in the Kanawha City neighborhood of Charleston, WV.

Funding Source: FHWA and WVDOT
Cost: \$13 million

- **Bridge Highway Projects** – In an effort by the WVDOT to improve the percentage of bridges in a state of good repair in the State of West Virginia, numerous bridge projects have been added to the TIP in FY 2023. While bridge projects can pull from multiple eligible funding types, HWI-BR (Highway Bridge) is the primary bridge dedicated funding type with approximately \$78 million in funds being programmed under this fund type for bridge inspections, repairs, replacements, and clean and paint work.

Funding Source: FHWA and WVDOT
Cost: \$78 million

Public Transportation

The Kanawha Valley Regional Transportation Authority (KVRTA) serves Kanawha County and portions of Fayette and Putnam Counties. KVRTA operates a network of 20 fixed routes oriented around the commercial center of Charleston. KVRTA is conducting an operational analysis to determine the cost efficiency of all routes. KVRTA is in the process of aiming to develop grant funding for \$70 million for a new maintenance facility.

Rail Service

Rail freight service is supplied by CSX, on the southern side of the Kanawha River, and Norfolk-Southern on the northern side of Kanawha River.

Amtrak offers limited passenger service several times a week.

Air Service

Yeager Airport in Charleston offers competitive airfares to destinations throughout the world and nonstop flights to eight major cities. The airport is a short drive from downtown Charleston and only a few minutes from the intersection of three major interstates. Yeager Airport serves as a U.S. Customs Port of Entry and has 4 major airlines: American, United, Delta, and Spirit.

UTILITIES

Water

West Virginia American Water provides water through most of Kanawha County. There are also a number of municipal providers and PSD's.



FY 2023 RDP

Electric

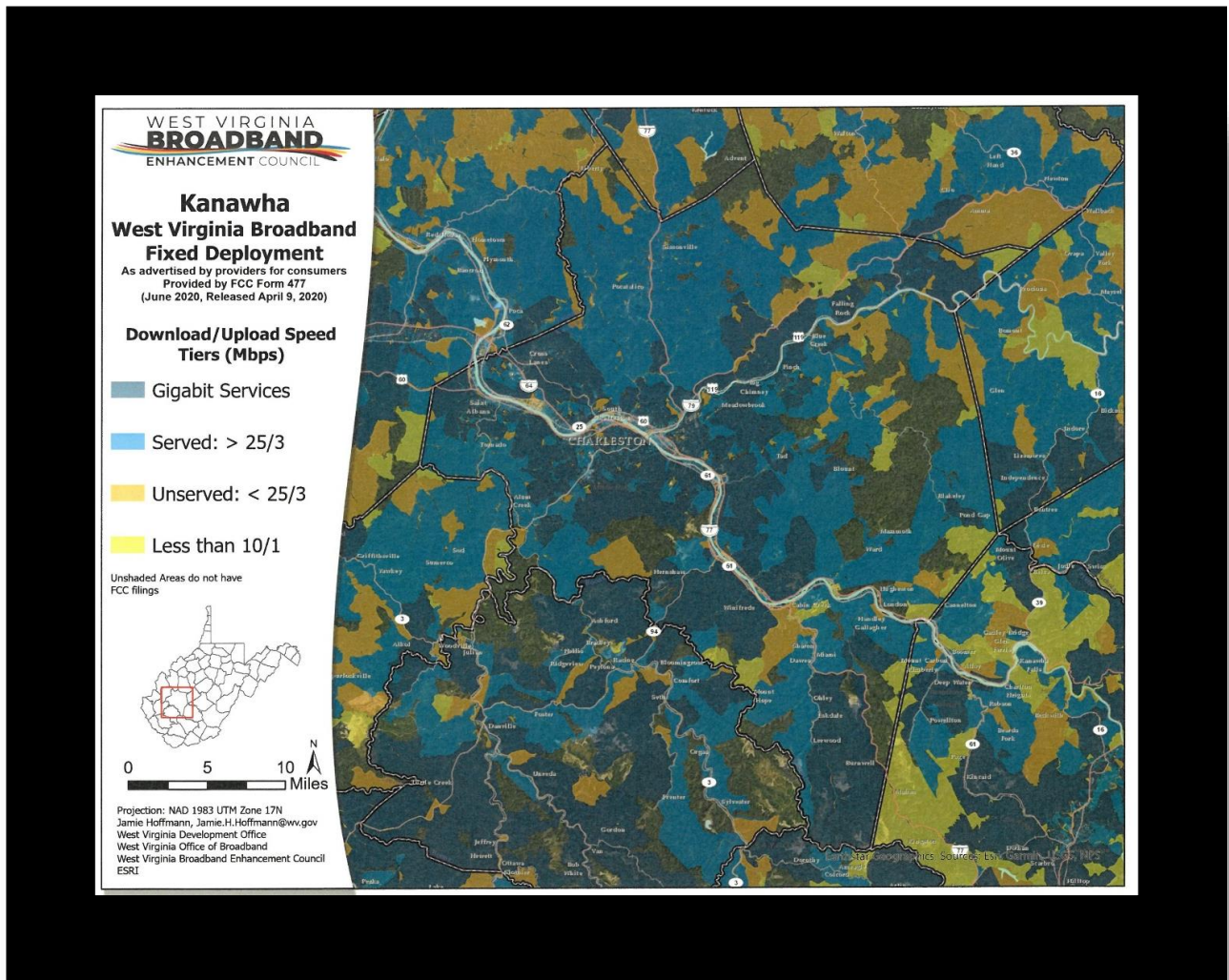
American Electric Power (AEP) provides electrical power throughout Kanawha County.

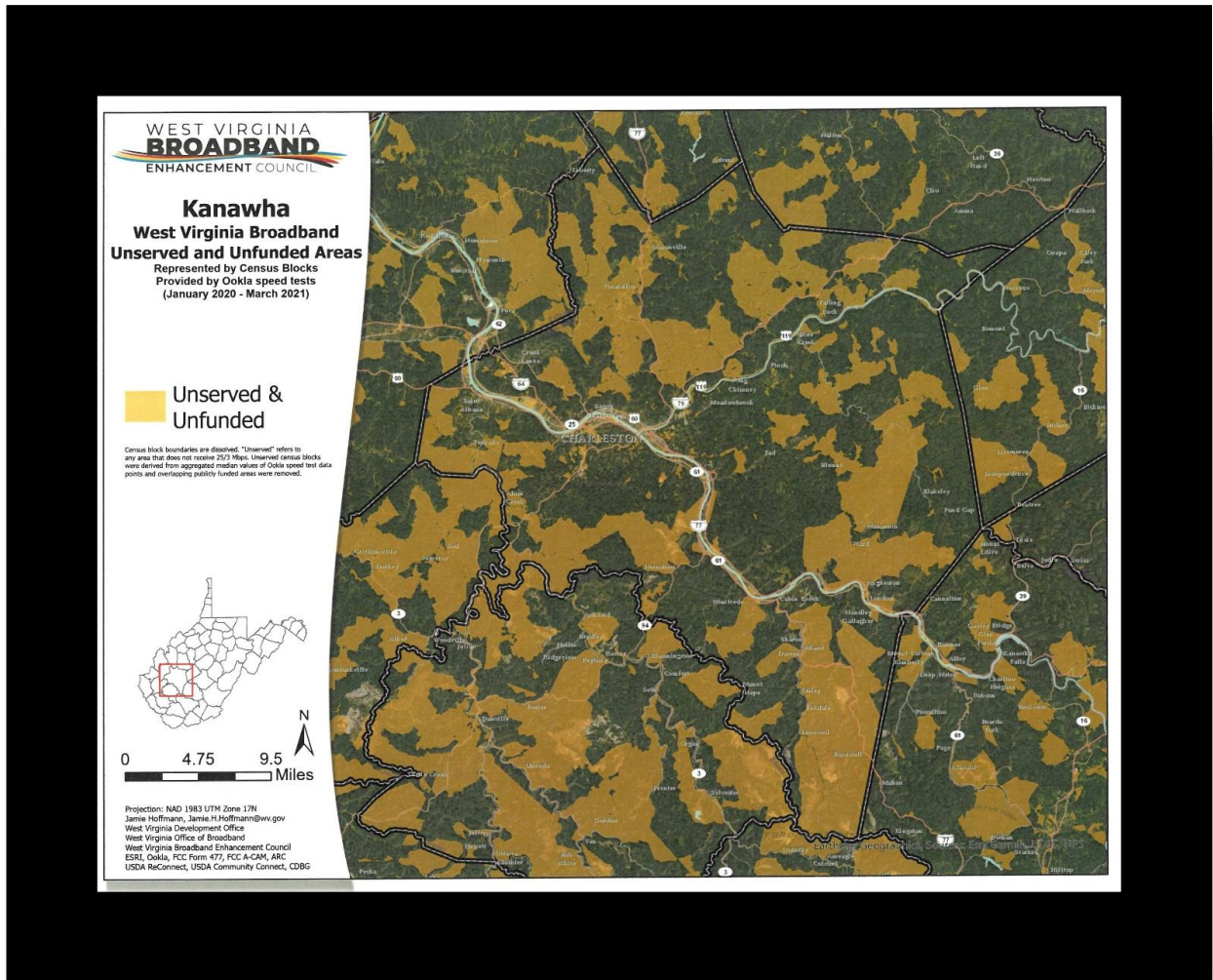
Gas and Other

Natural gas is supplied by Mountaineer Gas. Coal, fuel oil and propane are readily available from local suppliers.

Broadband

Mapping of Broadband Fixed Development Download/Upload Speed and Unserved/Unfunded Areas in Kanawha County, provided by the West Virginia Broadband Enhancement Council.





ECONOMY

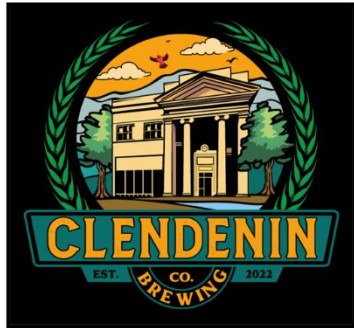
Population has shrunk in the Kanawha Valley for nearly 25 years. In the 1960 census, Charleston had 86,000 in population and Kanawha County had 253,000. Currently, the capital city is slipping below 50,000 and the county below 176,000. The reason for the Kanawha Valley’s decreasing numbers is due to loss of jobs. Chemical plants automated, glass plants closed, and coal mining jobs saw a steady decline. However, there are successes in the county, South Charleston’s Gestamp provides over 400 good paying jobs and the South Charleston Technology Park and Mid-Atlantic Technology Research, and Innovation Center have been successful.

Major industries in Kanawha County include healthcare and social services, retail trade and public administration. According to the United States Census Bureau there are 4,571 businesses in Kanawha County, making it a location with one of the highest employment opportunities in West Virginia.



There are fourteen (14) municipalities in Kanawha County: They are: Belle, Cedar Grove, Charleston, Chesapeake, Clendenin, Dunbar, East Bank, Glasgow, Handley, Marmet, Nitro, Pratt, St. Albans, and South Charleston.

Spotlighting New Business in Kanawha County



Clendenin Brewery Company

Clendenin Brewery Company, owned by Matt and Nikki Holbert, opened in June 2022. The brewery is located on the main floor of the former Farmers & Citizens State Bank in downtown Clendenin. They produce high quality craft beer that is available in their taproom, they also offer wholesale distribution in the Kanawha Valley and central West Virginia. The taproom has an adjoining brewery space that allows patrons to see the brewer crafting the different beers. The brewery has a food menu that consists of smoked BBQ chicken and BBQ Pork, in addition to other items. Axe throwing, shuffleboard and board games are available at the brewery. Additionally, bingo is offered every Thursday with free prizes. There are also four rooms above the brewery that are available on Air B&B.

Top 10 Employers in Kanawha County

1. CAMC Health System
2. Kanawha County Board of Education
3. WV Department of Health and Human Resources
4. Thomas Health System, Inc.
5. Walmart
6. West Virginia Department of Highways
7. West Virginia Department of Corrections
8. United States Postal Service
9. Kroger
10. City of Charleston

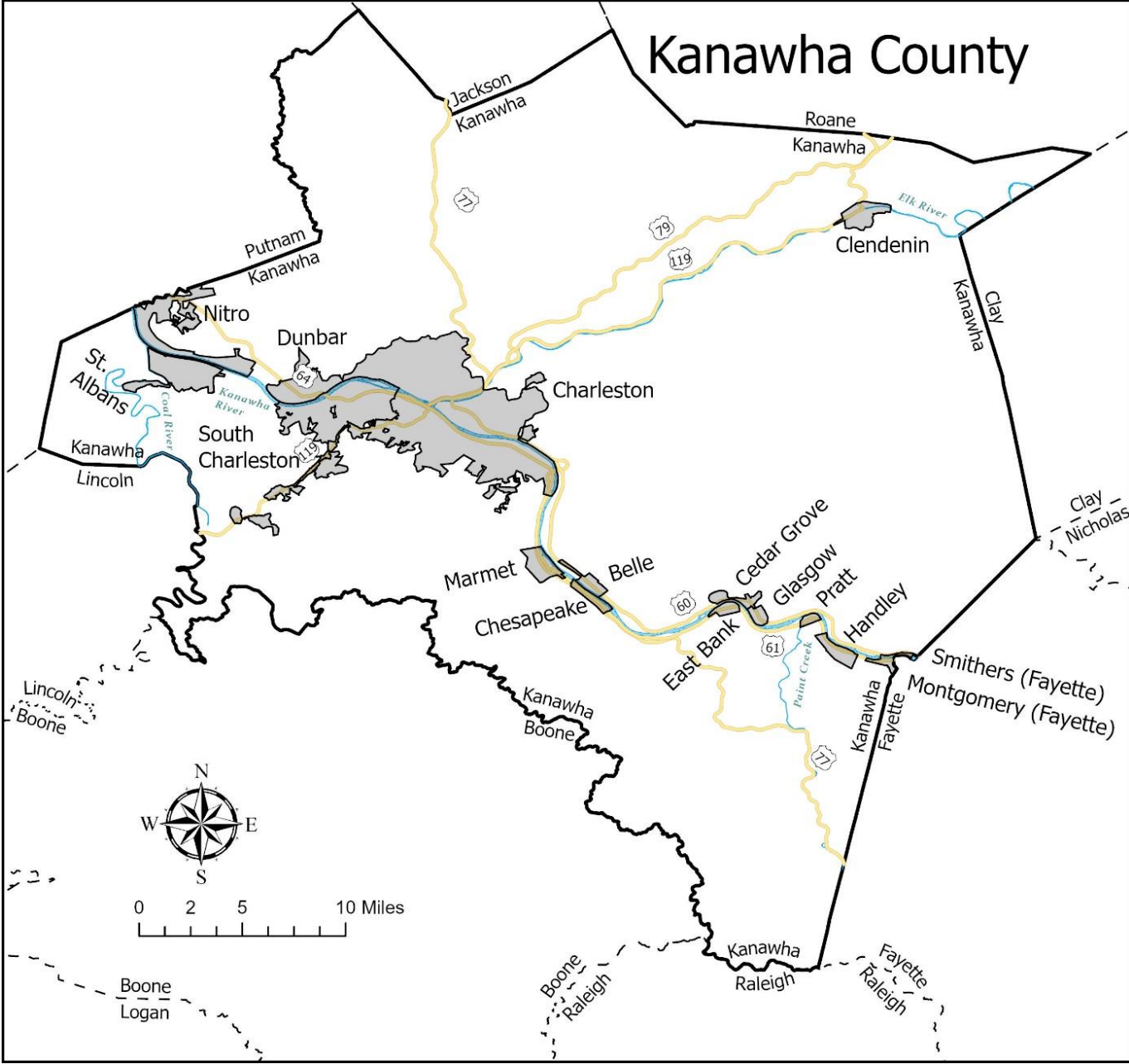
Source: Workforce WV, March 2022



Kanawha County United States Census Bureau QuickFacts

Kanawha County - People Quick Facts	Kanawha County	West Virginia	United States
Population estimate, July 1, 2022	175,515	-	-
Population Estimate base, April 1, 2021	180,744	-	-
Population, percent change – April 1, 2021 to July 1, 2022	-2.9%	-1.0%	0.6%
Population Census April 1, 2020	180,745	1,793,716	331,449,281
Population, Census, April 1, 2010	193,063	1,852,994	308,745,538
High school graduate or higher, percent of persons age 25+, 2017-2021	90.3%	88.1%	88.9%
Bachelor's degree or higher, percent of persons age 25+, 2017-2021	27.4%	21.8%	33.7%
Veterans, 2017-2021	10,932	-	-
Mean travel time to work (minutes), workers age 16+, 2017-2021	21.6	26.0	26.8
Households, 2017-2021	786,919	-	-
Persons per household, 2017-2021	2.33	2.47	2.60
Housing units, July 1, 2021	90,398	-	-
Owner-occupied housing unit rate, 2017-2021	69.9%	73.9%	64.6%
Median value of owner-occupied housing unit rate, 2017-2021	\$118,200	\$128,800	\$244,900
Per capita income in past 12 months (2021 dollars), 2017-2021	\$31,894	\$28,761	\$37,638
Median household income, (in 2021 dollars) 2017-2021	\$50,574	\$50,884	\$69,021
Persons in poverty, percent	15.9%	16.8%	11.6%
Households with a computer, 2017-2021	89.5%	87.6%	93.1%
Households with broadband Internet subscription 2017-2021	83.5%	80.8	87.0%
Persons without health insurance, under age 65 years	7.9%	7.6%	9.8%
Persons with a disability, under age 65 years	13.7%	14.1%	8.7%
In civilian labor force, total, percent of population age 16 years +, 2017-2021	55.3%	53.2%	63.1%
Total employer establishments, 2020	4,571	-	-
Population per square mile, 2020	200.5	74.6	93.8
Population per square mile, 2010	214.1	77.1	87.4

Source: United States Census Bureau





Town of Belle

Location

The Town of Belle is located along the scenic Kanawha River, adjacent to the Marmet Locks and Dam, maintained by the United States Corps of Engineers. It is located in the Upper Kanawha Valley Enterprise Community.

Households and Families

In 2017-2021, there were 584 households in the Town of Belle. The average household size was 2.31 people.

Married-couple households made up 41.8 percent of the households in the Town of Belle while cohabiting couple households made up 4.8 percent of households. Female householders with no spouse or partner present were 38.2 percent of all households, while 15.2 percent of households had male householders with no spouse or partner present. Some households had one person, as 13.9 percent of households were male householders living alone, and 19.9 percent were female householders living alone, for a total of 33.8 percent of all households.

In the Town of Belle, 31.5 percent of all households have one or more people under the age of 18; 37.8 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the Town of Belle had a total population of 1,350 - 630 (46.7 percent) females and 720 (53.3 percent) males. The median age was 38.2 years. An estimated 26.1 percent of the population was under 18 years, 34.1 percent was 18 to 44 years, 19.2 percent was 45 to 64 years, and 20.7 percent was 65 years and older.

Income

The median income of households the Town of Belle was \$44,732. An estimated 4.1 percent of households had income below \$10,000 a year and 1.2 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



Town of Cedar Grove

Location

The Town of Cedar Grove is located on the banks of the Kanawha River on U. S Route 60. The Town is bordered by the Town of Glasgow to the west.

Households and Families

In 2017-2021, there were 198 households in the Town of Cedar Grove. The average household size was 2.62 people.

Married-couple households made up 55.1 percent of the households in the Town of Cedar Grove while cohabiting couple households made up 7.6 percent of households. Female householders with no spouse or partner present were 15.2 percent of all households, while 22.2 percent of households had male householders with no spouse or partner present. Some households had one person, as 5.6 percent of households were male householders living alone, and 11.1 percent were female householders living alone, for a total of 16.7 percent of all households.

In the Town of Cedar Grove, 28.3 percent of all households have one or more people under the age of 18; 28.3 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the Town of Cedar Grove had a total population of 518 - 250 (48.3 percent) females and 268 (51.7 percent) males. The median age was 45.1 years. An estimated 19.7 percent of the population was under 18 years, 30.3 percent was 18 to 44 years, 39.0 percent was 45 to 64 years, and 11.2 percent was 65 years and older.

Income

The median income of households in the Town of Cedar Grove was \$56,250. An estimated 2.5 percent of households had income below \$10,000 a year and 5.1 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



City of Charleston

Location

The City of Charleston is located along the Kanawha River with three Interstates (I-64, I-77 and I-79) for access. It is also the start of Corridor G (an Appalachian Highway) that travels south to the coalfield counties. Charleston is both the county seat of government and the State Capital. It is bounded to the west by South Charleston and Dunbar and to the east by Marmet.

Households and Families

In 2017-2021, there were 21,779 households in the City of Charleston. The average household size was 2.16 people.

Married-couple households made up 36.8 percent of the households in the City of Charleston while cohabiting couple households made up 6.5 percent of households. Female householders with no spouse or partner present were 34.7 percent of all households, while 22.0 percent of households had male householders with no spouse or partner present. Some households had one person, as 18.7 percent of households were male householders living alone, and 22.2 percent were female householders living alone, for a total of 40.9 percent of all households.

In the City of Charleston, 22.7 percent of all households have one or more people under the age of 18; 32.7 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the City of Charleston had a total population of 49,055 - 25,123 (51.2 percent) females and 23,932 (48.8 percent) males. The median age was 41.7 years. An estimated 18.9 percent of the population was under 18 years, 34.4 percent was 18 to 44 years, 27.1 percent was 45 to 64 years, and 19.5 percent was 65 years and older.

Income

The median income of households in the City of Charleston was \$54,101. An estimated 7.8 percent of households had income below \$10,000 a year and 8.6 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



Town of Chesapeake

Location

The Town of Chesapeake is located on the banks of the Kanawha River on Route 60. The Town of Chesapeake is adjacent to the Town of Marmet. It is located in the Upper Kanawha Valley Enterprise Community.

Households and Families

In 2017-2021, there were 737 households in the Town of Chesapeake. The average household size was 2.45 people.

Married-couple households made up 49.7 percent of the households in the Town of Chesapeake while cohabiting couple households made up 2.8 percent of households. Female householders with no spouse or partner present were 33.2 percent of all households, while 14.2 percent of households had male householders with no spouse or partner present. Some households had one person, as 8.8 percent of households were male householders living alone, and 20.9 percent were female householders living alone, for a total of 29.7 percent of all households.

In the Town of Chesapeake, 36.4 percent of all households have one or more people under the age of 18; 36.0 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the Town of Chesapeake had a total population of 1,804 - 920 (51.0 percent) females and 884 (49.0 percent) males. The median age was 37.8 years. An estimated 22.5 percent of the population was under 18 years, 35.1 percent was 18 to 44 years, 21.7 percent was 45 to 64 years, and 20.6 percent was 65 years and older.

Income

The median income of households in the Town of Chesapeake was \$45,288. An estimated 16.3 percent of households had income below \$10,000 a year and 0.4 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



Town of Clendenin

Location

The Town of Clendenin is located on the banks of the Elk River on Route 119. The Town of Clendenin is located in the northern most section of Kanawha and is accessible from I-79.

Households and Families

In 2017-2021, there were 370 households in the Town of Clendenin. The average household size was 3.49 people.

Married-couple households made up 55.4 percent of the households in the Town of Clendenin while cohabiting couple households made up 6.2 percent of households. Female householders with no spouse or partner present were 25.7 percent of all households, while 12.7 percent of households had male householders with no spouse or partner present. Some households had one person, as 6.2 percent of households were male householders living alone, and 16.8 percent were female householders living alone, for a total of 23.0 percent of all households.

In the Town of Clendenin, 51.4 percent of all households have one or more people under the age of 18; 36.8 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the Town of Clendenin had a total population of 1,297 - 581 (44.8 percent) females and 716 (55.2 percent) males. The median age was 25.7 years. An estimated 36.0 percent of the population was under 18 years, 31.8 percent was 18 to 44 years, 18.9 percent was 45 to 64 years, and 13.2 percent was 65 years and older.

Income

The median income of households in the Town of Clendenin was \$55,278. An estimated 2.4 percent of households had income below \$10,000 a year and 0.0 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



City of Dunbar

Location

The City of Dunbar is located in the metropolitan district of Kanawha County. City of Dunbar is bordered on the Kanawha River. It is located across from South Charleston and borders Charleston to its east.

Households and Families

In 2017-2021, there were 3,579 households in the City of Dunbar. The average household size was 2.06 people.

Married-couple households made up 31.0 percent of the households in the City of Dunbar while cohabiting couple households made up 4.6 percent of households. Female householders with no spouse or partner present were 37.1 percent of all households, while 27.3 percent of households had male householders with no spouse or partner present. Some households had one person, as 21.3 percent of households were male householders living alone, and 27.8 percent were female householders living alone, for a total of 49.1 percent of all households.

In the City of Dunbar, 18.1 percent of all households have one or more people under the age of 18; 39.4 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the City of Dunbar had a total population of 7,500 - 3,925 (52.3 percent) females and 3,575 (47.7 percent) males. The median age was 46.8 years. An estimated 15.1 percent of the population was under 18 years, 33.1 percent was 18 to 44 years, 26.4 percent was 45 to 64 years, and 25.4 percent was 65 years and older.

Income

The median income of households in the City of Dunbar was \$46,219. An estimated 5.0 percent of households had income below \$10,000 a year and 1.6 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



Town of East Bank

Location

The Town of East Bank is located along Route 61 in the Upper Kanawha Valley Enterprise Community. The Town is situated along the Kanawha River.

Households and Families

In 2017-2021, there were 320 households in the Town of East Bank. The average household size was 2.74 people.

Married-couple households made up 35.9 percent of the households in the Town of East Bank while cohabiting couple households made up 9.1 percent of households. Female householders with no spouse or partner present were 41.6 percent of all households, while 13.4 percent of households had male householders with no spouse or partner present. Some households had one person, as 7.2 percent of households were male householders living alone, and 8.4 percent were female householders living alone, for a total of 15.6 percent of all households.

In the Town of East Bank, 45.3 percent of all households have one or more people under the age of 18; 32.5 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the Town of East Bank had a total population of 897 - 471 (52.5 percent) females and 426 (47.5 percent) males. The median age was 43.7 years. An estimated 17.5 percent of the population was under 18 years, 34.5 percent was 18 to 44 years, 29.4 percent was 45 to 64 years, and 18.7 percent was 65 years and older.

Income

The median income of households in the Town of East Bank was \$52,500. An estimated 8.8 percent of households had income below \$10,000 a year and 1.3 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



Town of Glasgow

Location

The Town of Glasgow is located on the banks of the Kanawha River on U. S Route 60. The Town is bordered by the Town of Cedar Grove to the east.

Households and Families

In 2017-2021, there were 293 households in the Town of Glasgow. The average household size was 2.34 people.

Married-couple households made up 39.6 percent of the households in the Town of Glasgow while cohabiting couple households made up 14.3 percent of households. Female householders with no spouse or partner present were 31.1 percent of all households, while 15.0 percent of households had male householders with no spouse or partner present. Some households had one person, as 6.8 percent of households were male householders living alone, and 24.2 percent were female householders living alone, for a total of 31.0 percent of all households.

In the Town of Glasgow, 19.5 percent of all households have one or more people under the age of 18; 55.3 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the Town of Glasgow had a total population of 771 - 374 (48.5 percent) females and 397 (51.5 percent) males. The median age was 57.8 years. An estimated 14.1 percent of the population was under 18 years, 20.2 percent was 18 to 44 years, 27.9 percent was 45 to 64 years, and 37.7 percent was 65 years and older.

Income

The median income of households in the Town of Glasgow was \$58,295. An estimated 4.4 percent of households had income below \$10,000 a year and 5.5 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



Town of Handley

Location

The Town of Handley is located along Rt. 61 in the Upper Kanawha Valley of Kanawha County. The Town of Handley is bordered on the Kanawha River. It is located to the north by Montgomery and Pratt to the south.

Households and Families

In 2017-2021, there were 101 households in the Town of Handley. The average household size was 3.85 people.

Married-couple households made up 39.6 percent of the households in the Town of Handley while cohabiting couple households made up 43.6 percent of households. Female householders with no spouse or partner present were 10.9 percent of all households, while 5.9 percent of households had male householders with no spouse or partner present. Some households had one person, as 1.0 percent of households were male householders living alone, and 5.9 percent were female householders living alone, for a total of 6.9 percent of all households.

In the Town of Handley, 51.5 percent of all households have one or more people under the age of 18; 47.5 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the Town of Handley had a total population of 389 - 135 (34.7 percent) females and 254 (65.3 percent) males. The median age was 36.0 years. An estimated 28.3 percent of the population was under 18 years, 33.5 percent was 18 to 44 years, 23.1 percent was 45 to 64 years, and 15.2 percent was 65 years and older.

Income

The median income of households in the Town of Handley was \$26,250. An estimated 2.0 percent of households had income below \$10,000 a year and 0.0 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



Town of Marmet

Location

The Town of Marmet is located in the eastern part of Kanawha County. The Town of Marmet is bordered on the Kanawha River. It is located across from the Army Corp of Engineer Marmet Locks.

Households and Families

In 2017-2021, there were 628 households in the Town of Marmet. The average household size was 2.36 people.

Married-couple households made up 40.0 percent of the households in the Town of Marmet while cohabiting couple households made up 10.7 percent of households. Female householders with no spouse or partner present were 27.2 percent of all households, while 22.1 percent of households had male householders with no spouse or partner present. Some households had one person, as 14.3 percent of households were male householders living alone, and 17.8 percent were female householders living alone, for a total of 32.1 percent of all households.

In the Town of Marmet, 23.6 percent of all households have one or more people under the age of 18; 41.7 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the Town of Marmet had a total population of 1,557 - 789 (50.7 percent) females and 768 (49.3 percent) males. The median age was 45.8 years. An estimated 16.1 percent of the population was under 18 years, 33.1 percent was 18 to 44 years, 24.9 percent was 45 to 64 years, and 26.0 percent was 65 years and older.

Income

The median income of households in the Town of Marmet was \$42,966. An estimated 7.5 percent of households had income below \$10,000 a year and 0.0 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



City of Nitro

Location

The City of Nitro is located in western most part of Kanawha County and the eastern most area of Putnam County. It is located on the south side of the Kanawha River and is across from the City of St. Albans.

Households and Families

In 2017-2021, there were 2,767 households in the City of Nitro. The average household size was 2.40 people.

Married-couple households made up 43.4 percent of the households in the City of Nitro while cohabiting couple households made up 2.6 percent of households. Female householders with no spouse or partner present were 42.0 percent of all households, while 12.1 percent of households had male householders with no spouse or partner present. Some households had one person, as 9.0 percent of households were male householders living alone, and 24.9 percent were female householders living alone, for a total of 33.9 percent of all households.

In the City of Nitro, 33.2 percent of all households have one or more people under the age of 18; 34.1 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the City of Nitro had a total population of 6,630 - 3,594 (54.2 percent) females and 3,036 (45.8 percent) males. The median age was 44.7 years. An estimated 26.6 percent of the population was under 18 years, 24.0 percent was 18 to 44 years, 30.5 percent was 45 to 64 years, and 18.8 percent was 65 years and older.

Income

The median income of households in the City of Nitro was \$45,949. An estimated 8.2 percent of households had income below \$10,000 a year and 2.8 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



Town of Pratt

Location

The Town of Pratt is located along Route 61 in the Upper Kanawha Valley Enterprise Community. It is bordered by the Town of East Bank and Handley. It is situated along the Kanawha River.

Households and Families

In 2017-2021, there were 131 households in the Town of Pratt. The average household size was 2.58 people.

Married-couple households made up 51.1 percent of the households in the Town of Pratt while cohabiting couple households made up 3.8 percent of households. Female householders with no spouse or partner present were 40.5 percent of all households, while 4.6 percent of households had male householders with no spouse or partner present. Some households had one person, as 1.5 percent of households were male householders living alone, and 22.9 percent were female householders living alone, for a total of 24.4 percent of all households.

In the Town of Pratt, 14.5 percent of all households have one or more people under the age of 18; 48.9 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the Town of Pratt had a total population of 338 - 170 (50.3 percent) females and 168 (49.7 percent) males. The median age was 53.1 years. An estimated 14.2 percent of the population was under 18 years, 22.2 percent was 18 to 44 years, 27.8 percent was 45 to 64 years, and 35.8 percent was 65 years and older.

Income

The median income of households in the Town of Pratt was \$56,250. An estimated 16.8 percent of households had income below \$10,000 a year and 4.6 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



City of St. Albans

Location

The City of St. Albans is located in the metropolitan district of Kanawha County. The City of St. Albans is bordered on the Kanawha River. It is located across from Nitro and borders Jefferson to its east and Amandaville (unincorporated) on its west.

Households and Families

In 2017-2021, there were 4,510 households in the City of St. Albans. The average household size was 2.39 people.

Married-couple households made up 49.2 percent of the households in the City of St. Albans while cohabiting couple households made up 8.3 percent of households. Female householders with no spouse or partner present were 26.9 percent of all households, while 15.7 percent of households had male householders with no spouse or partner present. Some households had one person, as 12.4 percent of households were male householders living alone, and 18.2 percent were female householders living alone, for a total of 30.6 percent of all households.

In the City of St. Albans, 25.7 percent of all households have one or more people under the age of 18; 43.2 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the City of St. Albans had a total population of 10,842 - 5,574 (51.4 percent) females and 5,268 (48.6 percent) males. The median age was 44.0 years. An estimated 20.9 percent of the population was under 18 years, 31.2 percent was 18 to 44 years, 23.6 percent was 45 to 64 years, and 24.2 percent was 65 years and older.

Income

The median income of households in the City of St. Albans was \$55,189. An estimated 4.0 percent of households had income below \$10,000 a year and 3.3 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



City of South Charleston

Location

The City of South Charleston is located in the metropolitan district of Kanawha County. The City of South Charleston is bordered on the Kanawha River. It is located across from Dunbar and borders Charleston to its east and Jefferson on its west.

Households and Families

In 2017-2021, there were 6,044 households in the City of South Charleston. The average household size was 2.25 people.

Married-couple households made up 35.4 percent of the households in the City of South Charleston while cohabiting couple households made up 9.9 percent of households. Female householders with no spouse or partner present were 37.1 percent of all households, while 17.7 percent of households had male householders with no spouse or partner present. Some households had one person, as 13.3 percent of households were male householders living alone, and 22.4 percent were female householders living alone, for a total of 35.7 percent of all households.

In the City of South Charleston, 26.2 percent of all households have one or more people under the age of 18; 37.3 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the City of South Charleston had a total population of 13,595 - 7,219 (53.1 percent) females and 6,376 (46.9 percent) males. The median age was 43.9 years. An estimated 19.7 percent of the population was under 18 years, 32.2 percent was 18 to 44 years, 26.9 percent was 45 to 64 years, and 21.0 percent was 65 years and older.

Income

The median income of households in the City of South Charleston was \$54,954. An estimated 5.1 percent of households had income below \$10,000 a year and 3.9 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



PUTNAM COUNTY



Putnam County Courthouse



Putnam County lies within the Allegheny Plateau. The Kanawha River Valley bisects Putnam County from southeast to northwest and provides much of the flat land used for development in the area. The County is located between West Virginia’s two largest cities – Charleston and Huntington. There are six (6) municipalities in Putnam County, they are listed as follows: Bancroft, Buffalo, Eleanor, Hurricane, Poca and Winfield. Also, a portion of Nitro is located in Putnam County.

Distance to Major Cities from Winfield

Atlanta.....	534 miles
Chicago.....	469 miles
Cincinnati.....	180 miles
Cleveland.....	275 miles
Columbus.....	200 miles
Lexington.....	170 miles
New York.....	570 miles
Pittsburgh.....	257 miles
Washington, DC.....	365 miles

TRANSPORTATION

Highways

Putnam County is served by Interstate 64, which provides service from St. Louis, Missouri to Richmond, Virginia by US Routes 35 and 60 & WV Routes 34 and 62.

Completed, Ongoing, or Obligated Highway Improvements:

- **Teays Valley Road Widening:** This project was planned for in the RIC Metropolitan Transportation Plan (MTP). It will widen this portion of Teays Valley Road to include a two-way left turn lane (TWLTL), a new shoulder, and new sidewalk.

Funding Source: FHWA and WVDOT
 Cost: \$4 million

- **Nitro-St. Albans I-64 Improvement Project:** The I-64 Improvement Project, currently in the construction phase, is a multi-year project that will widen I-64 from the US 35/I-64 Interchange to just east of the Nitro Interchange. The project will improve traffic volume capacity, enhance safety, and support continued economic growth in the area. Many Putnam County residents commute from residential areas of Putnam County such as Poca, Teays Valley, or Hurricane to employment hubs in Kanawha County, such as the State Capitol or the City of Charleston.

Funding Source: FHWA and WVDOT
 Cost: \$245 million



Public Transportation

Bus Service is provided by KVRTA through a small portion of Putnam County through Nitro Marketplace. Taxi service is available through Teays Valley Taxi.

Rail Service

Freight service is provided by CSX and Northern Southern. Amtrak service traverses the County, but the nearest stations are in Huntington and Charleston.

Air Service

Air service in Putnam County is provided by Yeager Airport, located in downtown Charleston.

UTILITIES

Water

Water is provided to Putnam County residents by American Water, Putnam PSD, and the City of Hurricane.

Electric

American Electric Power (AEP) provides electricity.

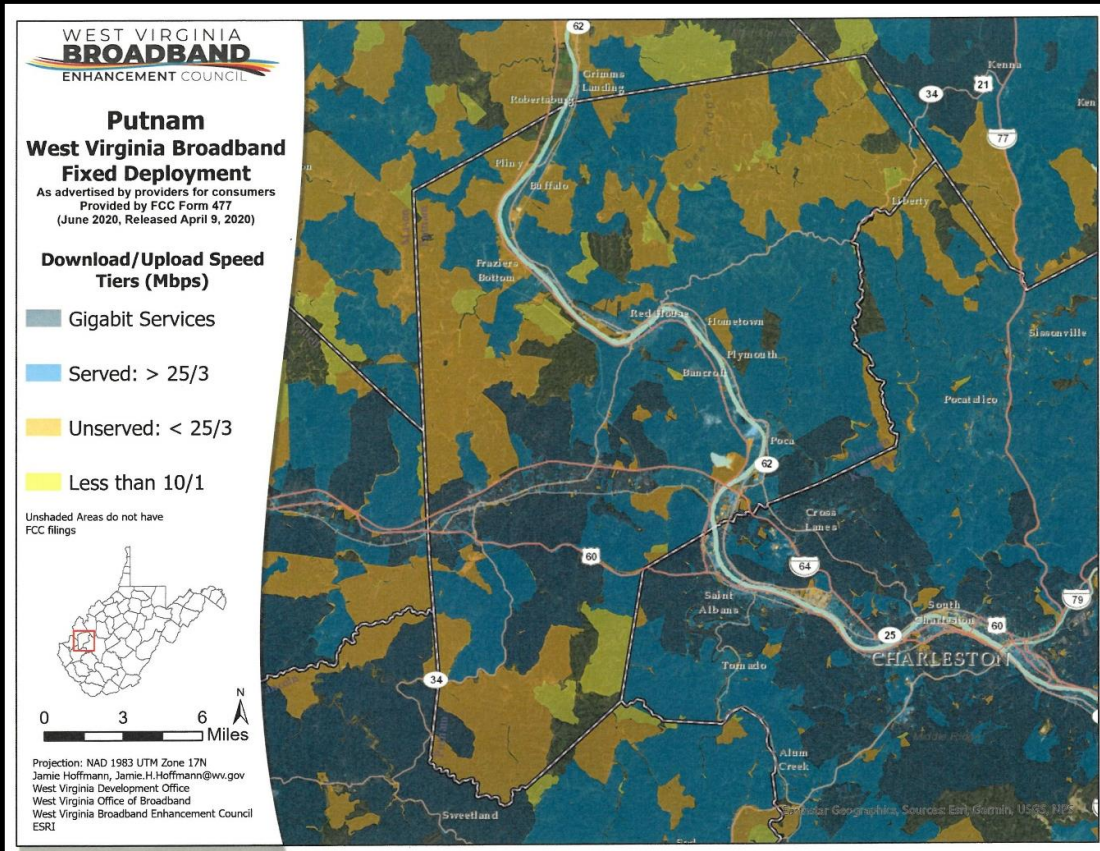
Gas and Other

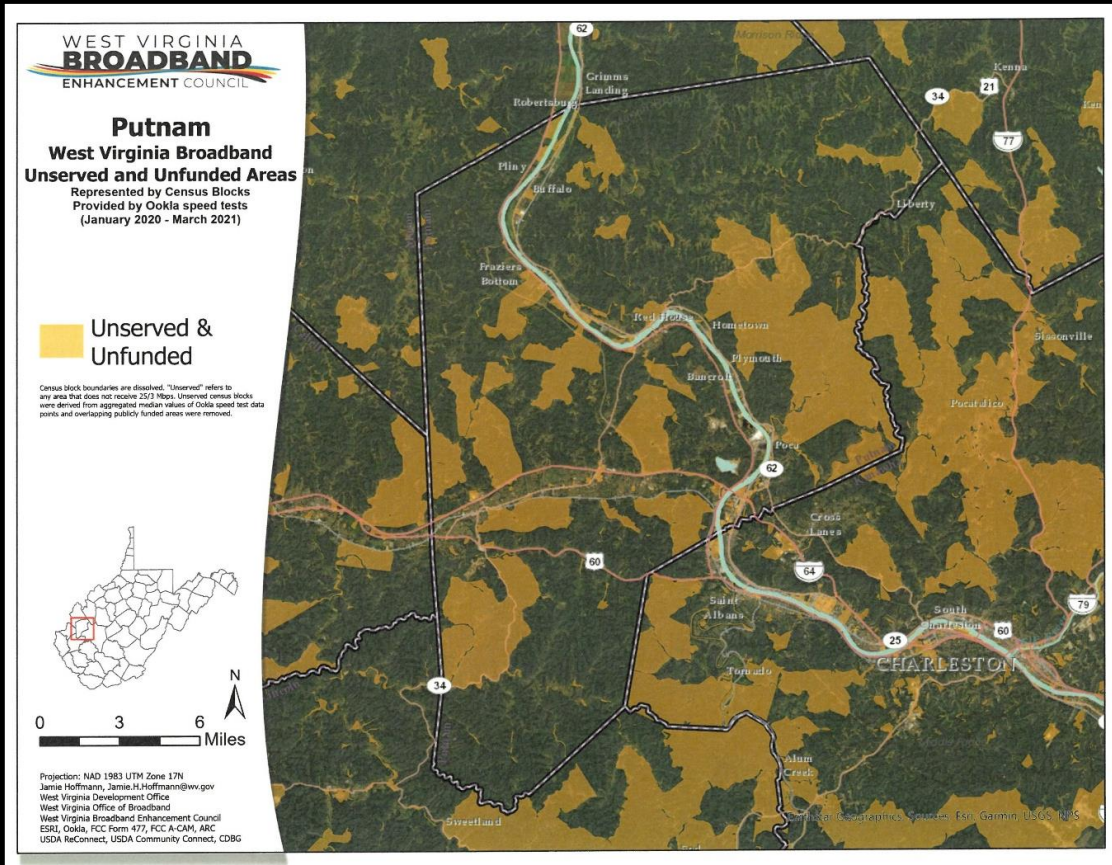
Natural gas is provided by Mountaineer Gas. Coal, fuel oil and propane are readily available from local suppliers.

Broadband

Mapping of Broadband Fixed Development Download/Upload Speed and Unserved/Unfunded Areas in Putnam County, provided by the West Virginia Broadband Enhancement Council.

See maps on the following two pages







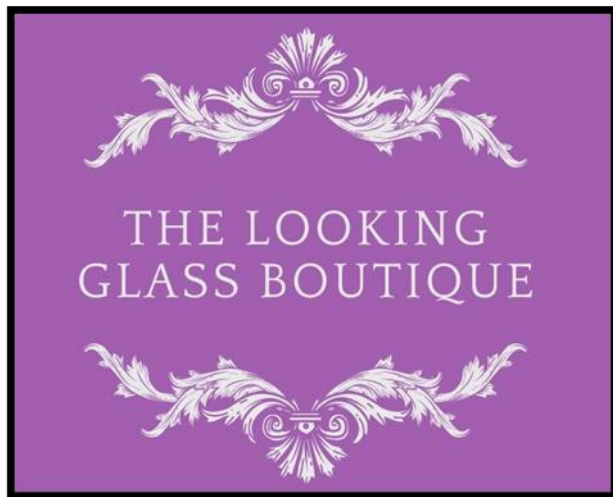
ECONOMY

Putnam County has the fastest growing economy in the region. Putnam County has the advantage of being located between Charleston and Huntington and connected by interstate highway to both cities. Putnam County is endowed with a relatively large amount of flat developable land, both in the Teays Valley area and in the Kanawha River Valley. The widening of U.S. 35 from I-64 to Buffalo (including a new I-64 interchange) has boosted economic development potential.

Teays Valley is mostly a mix of residential, retail and service development. Additional industrial, retail and service establishments can be found in the following industrial and business parks:

- Eleanor Industrial Park, Eleanor
- Par Industrial Park, Nitro
- HUB Industrial Park, Nitro
- Rock Branch Industrial Park, Poca
- Putnam Business Park, Fraziers Bottom
- Teays Valley Industrial Park, Scott Depot

Spotlighting New Businesses in Putnam County



The Looking Glass Boutique

The Looking Glass Boutique, located at 2887 Charleston Road in Poca held their grand opening on April 15, 2023. The boutique carries women’s clothing, shoes, handbags, and accessories. They also offer bath and body products and now carry Sonoma Lavender Company. The Looking Glass Boutique is the go-to location to find an outfit for any occasion as well as the perfect gift for someone special.



Putnam County United States Census Bureau QuickFacts

Putnam County - People Quick Facts	Putnam County	West Virginia	United States
Population estimate, July 1, 2022	57,015	-	-
Population estimate base, April 1, 2021	57,355	-	-
Population, percent change - April 1, 2021 to July 1, 2022	-0.7%	-1.0%	0.6%
Population, Census, April 1, 2020	57,440	1,793,716	331,449,281
Population, Census, April 1, 2010	55,486	1,852,994	308,745,538
High school graduate or higher, percent of persons age 25+, 2017-2021	92.5%	88.1%	88.9%
Bachelor's degree or higher, percent of persons age 25+, 2017-2021	26.7%	21.8%	33.7%
Veterans, 2017-2021	3,523	-	-
Mean travel time to work (minutes), workers age 16+, 2017-2021	28	26.0	26.8
Households, 2017-2021	22,075	-	-
Persons per household, 2017-2021	2.59	2.47	2.60
Housing units, July 1, 2021	24,865	-	-
Owner-occupied housing unit rate, 2017-2021	82.2%	73.9%	64.6%
Median value of owner-occupied housing unit rate, 2017-2021	\$176,300	\$128,800	\$244,900
Per capita income in past 12 months (2021 dollars), 2017-2021	\$34,832	\$28,761	\$37,638
Median household income, (in 2021 dollars) 2017-2021	\$68,740	\$50,884	\$69,021
Persons in poverty, percent	10.1%	16.8%	11.6%
Households with a computer, 2017-2021	90.7%	87.6%	93.1%
Households with broadband Internet subscription 2017-2021	82.7%	80.8	87.0%
Persons without health insurance, under age 65 years	6.5%	7.6%	9.8%
Persons with a disability, under age 65 years	6.6%	14.1%	8.7%
In civilian labor force, total, percent of population age 16 years +, 2017-2021	58.9%	53.2%	63.1%
Total employer establishments, 2020	1,192	-	-
Population per square mile, 2020	166.2	74.6	93.8
Population per square mile, 2010	160.5	77.1	87.4

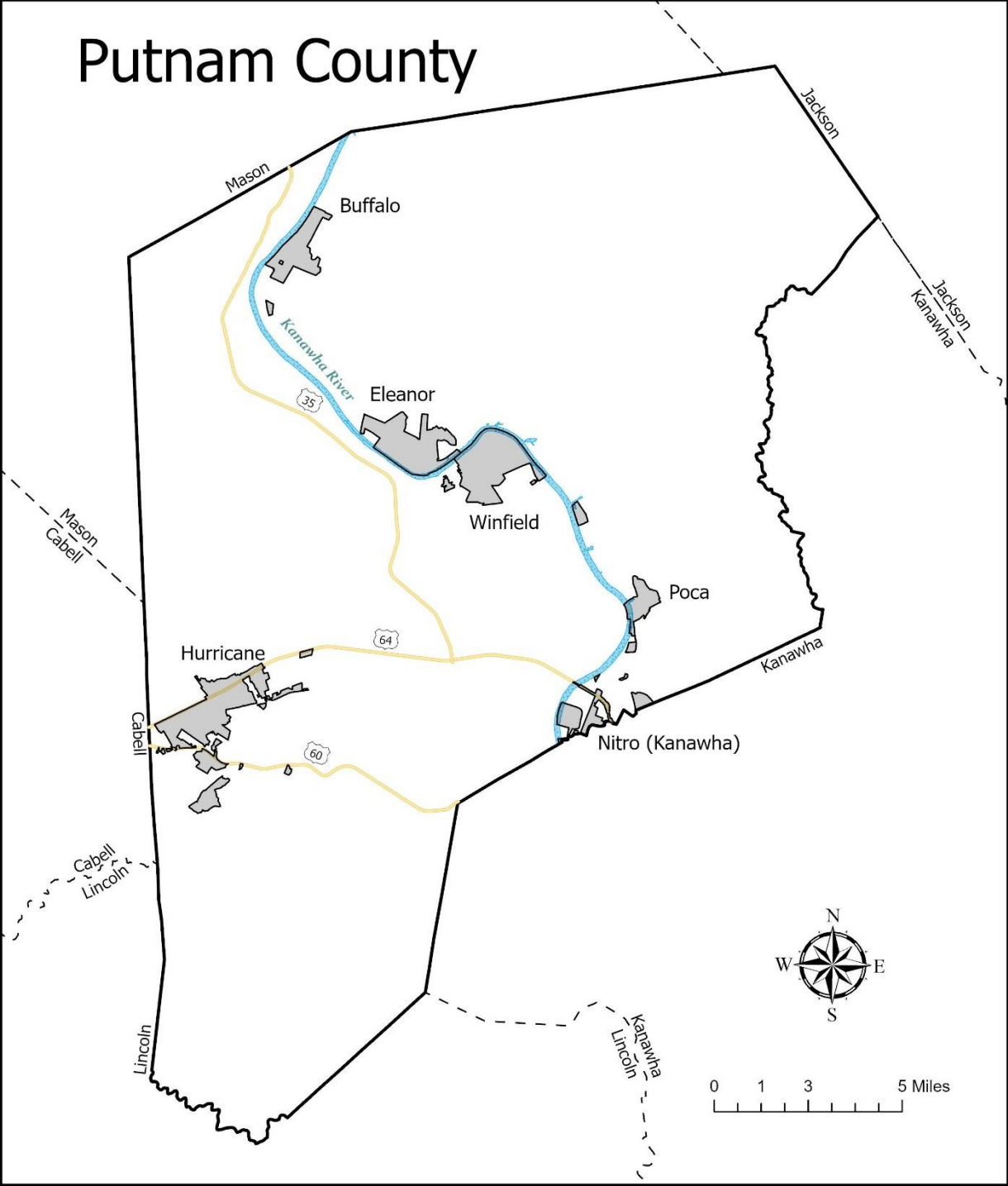
Source: United States Census Bureau



Top 10 Employers in Putnam County

1. Toyota Motor Manufacturing, WV, Inc.
2. Putnam County Board of Education
3. Coast Personnel Services
4. CAMC Health System
5. Apex Pipeline Services, Inc.
6. Walmart
7. Triton Construction, Inc.
8. Appalachian Power Company
9. Nitro Construction Services, Inc.
10. Diamond Electric Manufacturing Corp.

Source: Workforce WV, March 2022





Town of Bancroft

Location

The Town of Bancroft is located along Route 62 and the Kanawha River in Putnam County. The nearest municipalities are Poca to the east and Winfield and Eleanor to the West.

Households and Families

In 2017-2021, there were 191 households in the Town of Bancroft. The average household size was 2.45 people.

Married-couple households made up 34.0 percent of the households in Bancroft town, West Virginia while cohabiting couple households made up 7.9 percent of households. Female householders with no spouse or partner present were 11.5 percent of all households, while 46.6 percent of households had male householders with no spouse or partner present. Some households had one person, as 8.9 percent of households were male householders living alone, and 10.5 percent were female householders living alone, for a total of 19.4 percent of all households.

In the Town of Bancroft, 18.3 percent of all households have one or more people under the age of 18; 26.2 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the Town of Bancroft had a total population of 468 - 178 (38.0 percent) females and 290 (62.0 percent) males. The median age was 33.1 years. An estimated 11.8 percent of the population was under 18 years, 47.5 percent was 18 to 44 years, 25.4 percent was 45 to 64 years, and 15.2 percent was 65 years and older.

Income

The median income of households in the Town of Bancroft was \$82,917. An estimated 4.2 percent of households had income below \$10,000 a year and 0.0 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



Town of Buffalo

Location

The Town of Buffalo is located along Route 62 and the Kanawha River in Putnam County. The nearest municipalities are Eleanor to the east and Mason County to the West.

Households and Families

In 2017-2021, there were 356 households in the Town of Buffalo. The average household size was 2.69 people.

Married-couple households made up 53.9 percent of the households in the Town of Buffalo while cohabiting couple households made up 3.9 percent of households. Female householders with no spouse or partner present were 27.5 percent of all households, while 14.6 percent of households had male householders with no spouse or partner present. Some households had one person, as 11.8 percent of households were male householders living alone, and 19.1 percent were female householders living alone, for a total of 30.9 percent of all households.

In the Town of Buffalo, 26.7 percent of all households have one or more people under the age of 18; 30.1 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the Town of Buffalo had a total population of 979 - 504 (51.5 percent) females and 475 (48.5 percent) males. The median age was 47.0 years. An estimated 19.8 percent of the population was under 18 years, 28.9 percent was 18 to 44 years, 30.9 percent was 45 to 64 years, and 20.5 percent was 65 years and older.

Income

The median income of households in the Town of Buffalo was \$48,125. An estimated 10.7 percent of households had income below \$10,000 a year and 0.0 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



Town of Eleanor

Location

The Town of Eleanor is located along Route 62 in Putnam County approximately 3 miles from Winfield, the county seat. The Town is situated along the Kanawha River.

Households and Families

In 2017-2021, there were 584 households in the Town of Eleanor. The average household size was 2.48 people.

Married-couple households made up 57.9 percent of the households in Eleanor town, West Virginia while cohabiting couple households made up 0.5 percent of households. Female householders with no spouse or partner present were 37.3 percent of all households, while 4.3 percent of households had male householders with no spouse or partner present. Some households had one person, as 2.1 percent of households were male householders living alone, and 31.2 percent were female householders living alone, for a total of 33.3 percent of all households.

In the Town of Eleanor, 22.6 percent of all households have one or more people under the age of 18; 37.0 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the Town of Eleanor had a total population of 1,446 - 835 (57.7 percent) females and 611 (42.3 percent) males. The median age was 41.8 years. An estimated 20.7 percent of the population was under 18 years, 35.0 percent was 18 to 44 years, 19.8 percent was 45 to 64 years, and 24.6 percent was 65 years and older.

Income

The median income of households in the Town of Eleanor was \$62,500. An estimated 5.8 percent of households had income below \$10,000 a year and 0.5 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



City of Hurricane

Location

The City of Hurricane is located along Interstate 64 and is bordered on the east by Teays Valley and close to the Cabell County Line on the west. It is bordered by Route 60 to the south.

Households and Families

In 2017-2021, there were 2,759 households in the City of Hurricane. The average household size was 2.50 people.

Married-couple households made up 49.6 percent of the households in the City of Hurricane while cohabiting couple households made up 4.6 percent of households. Female householders with no spouse or partner present were 31.7 percent of all households, while 14.1 percent of households had male householders with no spouse or partner present. Some households had one person, as 11.4 percent of households were male householders living alone, and 19.3 percent were female householders living alone, for a total of 30.7 percent of all households.

In the City of Hurricane, 31.2 percent of all households have one or more people under the age of 18; 37.7 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the City of Hurricane had a total population of 6,901 - 3,987 (57.8 percent) females and 2,914 (42.2 percent) males. The median age was 42.4 years. An estimated 21.7 percent of the population was under 18 years, 30.9 percent was 18 to 44 years, 23.8 percent was 45 to 64 years, and 23.5 percent was 65 years and older.

Income

The median income of households in the City of Hurricane was \$65,373. An estimated 6.6 percent of households had income below \$10,000 a year and 7.6 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



Town of Poca

Location

The Town of Poca is located in the eastern part of Putnam County. Town of Poca is bordered by the Kanawha River. It is located across from the AEP John Amos Power Plant and is a residential neighborhood for both Putnam and Kanawha Counties.

Households and Families

In 2017-2021, there were 380 households in the Town of Poca. The average household size was 2.38 people.

Married-couple households made up 51.1 percent of the households the Town of Poca while cohabiting couple households made up 4.2 percent of households. Female householders with no spouse or partner present were 21.3 percent of all households, while 23.4 percent of households had male householders with no spouse or partner present. Some households had one person, as 6.8 percent of households were male householders living alone, and 15.5 percent were female householders living alone, for a total of 22.3 percent of all households.

In the Town of Poca, 42.1 percent of all households have one or more people under the age of 18; 34.2 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the Town of Poca had a total population of 906 - 448 (49.4 percent) females and 458 (50.6 percent) males. The median age was 42.1 years. An estimated 24.8 percent of the population was under 18 years, 29.3 percent was 18 to 44 years, 25.9 percent was 45 to 64 years, and 20.1 percent was 65 years and older.

Income

The median income of households in the Town of Poca was \$62,292. An estimated 12.6 percent of households had income below \$10,000 a year and 5.3 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



City of Winfield

Location

The City of Winfield is the county seat of Putnam County and is located at Route 34 and Route 35 split. It is bordered by the Kanawha River.

Households and Families

In 2017-2021, there were 1,036 households in the City of Winfield. The average household size was 3.03 people.

Married-couple households made up 68.7 percent of the households in the City of Winfield while cohabiting couple households made up 2.3 percent of households. Female householders with no spouse or partner present were 21.2 percent of all households, while 7.7 percent of households had male householders with no spouse or partner present. Some households had one person, as 4.2 percent of households were male householders living alone, and 14.5 percent were female householders living alone, for a total of 18.7 percent of all households.

In the City of Winfield, 40.5 percent of all households have one or more people under the age of 18; 19.9 percent of all households have one or more people 65 years and over.

Population

In 2017-2021, the City of Winfield had a total population of 3,140 - 1,540 (49.0 percent) females and 1,600 (51.0 percent) males. The median age was 37.5 years. An estimated 26.9 percent of the population was under 18 years, 32.5 percent was 18 to 44 years, 29.8 percent was 45 to 64 years, and 10.8 percent was 65 years and older.

Income

The median income of households in the City of Winfield was \$83,036. An estimated 4.2 percent of households had income below \$10,000 a year and 8.0 percent had income over \$200,000 or more.

**Information obtained from US Census Bureau Narrative Profiles*



V. Economic Resilience

It is becoming increasingly apparent that the Regional Intergovernmental Council, a four-county planning and development council, consider economic prosperity is linked to an area's ability to prevent, withstand and quickly recover from major disruptions to its economic base. Establishing economic resilience in a local or regional economy requires the ability to anticipate risk, evaluate how that risk can impact key economic assets, and build a responsive capacity. Often, the shocks/disruptions to the economic base of an area or region are manifested in these ways:

- Downturns or other significant events in the coal industry which impact demand for locally produced goods and consumer spending.
- Downturns in coal related industries constitute a critical component of the region's economic activity.
- Other external shocks such as the June 23, 2016 flood that decimated Clendenin and Clay County areas and the COVID – 19 Pandemic that has caused economic disruptions and instability not only in our region, state and country but also throughout the entire world.

This is no more apparent than the downturn in the coal industry in our region and the COVID-19 Pandemic. The Regional Intergovernmental Councils Comprehensive Economic Development Strategy begins to build the capacity for economic resilience. The members of this committee often become the focal point for post-incident coordination, information dissemination, responding to external inquiries, and the lead grant administrator for local, state and federally funded recovery initiatives.

In building economic resilience, it is critical that this organization consider its role in the pre-incident and post-incident environment to include proactive and responsive initiatives.



VI. References

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