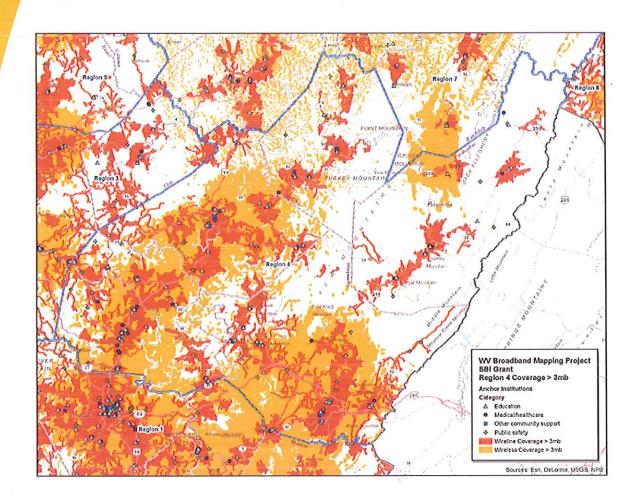
Region 4 Planning Development Council



Broadband Strategic Plan

Funded and Supported By









Region 4 Planning & Development Council

REGION 4 BROADBAND STRATEGIC PLAN

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Purpose of Planning Exercise

As the State of West Virginia continues to grow broadband initiatives and leverage existing infrastructure and future broadband expansion, it is important for the continued development of programs that will improve broadband use and adoption. With funding from the State Broadband Data Development Grant, the State of West Virginia has developed, and continues to improve, a statewide broadband coverage mapping program that provides a comprehensive picture of current infrastructure deployment and availability of broadband service in the State. This program began with a 1.4 million dollar grant from the National Telecommunications and Information Administration in support of the National Map. The State received an additional 3.3 million to ensure updates are made and any changes in the source data are observed, while adding information from any new providers. This new funding supported the development of two additional projects known as the Technical Assistance Project (TA) and the Regional Broadband Planning Teams Project (RBPT).

The Technical Assistance Project supports the activities needed to improve digital literacy by providing technical expertise to non-profits, community institutions and other local and regional groups. The first two key elements of a production broadband technical assistance engagement are identification/engagement of businesses and organizations with limited capacity and then developing an assessment of their current performance with identified paths toward future opportunities. To this end, the Broadband Mapping Program will use 1.2 million dollars for its Technical Assistance Project.

The TA Project aims to conduct community level research based analytics and trend analysis cut across representative demographics in West Virginia. The program will use this trend data to identify those areas with the greatest need at the individual organization level and perform a review of patterns of utilization, gaps, barriers and opportunities, resulting in customized information that will encourage organizations to adopt broadband and broadband enabled applications and processes. The TA Project is the foundation of the RBPT Project. Effective data collection on broadband utilization and its impact is essential to the success of any broadband awareness and adoption effort. It is important to get a "lay of the land" to know whether individuals, businesses, and organizations are utilizing broadband and broadband enabled applications, and to understand where the State's weaknesses or missed opportunities lie. The RBPT was created to benchmark data collection and analysis of high-speed Internet connectivity and e-solutions for economic and social development. By partnering with the Planning and Development Councils in conducting benchmarking surveys across the 11 regions of the State, the Broadband Mapping Program (BMP) has built a unique repository of primary data about broadband usage across the State, separate, but complementary to that which may be acquired in the Mapping Project. The analysis of this data has been crucial for the RBPT to develop effective and comprehensive regional strategic broadband initiatives and

adoption plans that will later take advantage of federal, state and other grant opportunities. 1

As stated above, the most critical part of this comprehensive effort has been local and regional planning. In November 1971, the West Virginia Legislature passed the Regional Planning and Development Act, designating the responsibilities of both the State and local governments to guide the orderly growth of the State of West Virginia. On May 3, 1972, the Governor designated the current eleven (11) planning and development regions in the State to carry out the functions of Article 25, Chapter 8 of the State Code of West Virginia. Region 4 Planning & Development Council was designated to serve Fayette, Greenbrier, Nicholas, Pocahontas and Webster counties and the municipalities contained within. Region 4 consists of 3,847 square miles and a population of 125,625 (2010 Census). After a series of organizational meetings with the local officials of those counties and the adoption of its bylaws, the Region 4 Planning & Development Council began operations on July 1, 1973 in Summersville, West Virginia.

Region 4 includes five (5) counties and twenty-six (26) municipalities. According to the 2010 Census, the municipal governments range in size of population from seven (7) persons in Thurmond, Fayette County, to 7,589 persons in Oak Hill, also in Fayette County. The municipalities range in age from Lewisburg, Greenbrier County, incorporated in 1782, to Gauley Bridge, Fayette County, incorporated in 1977. ²

Region 4 Mission Statement – "It is the mission of Region 4 Planning and Development Council to strategically and effectively plan for and facilitate the comprehensive development of Fayette, Greenbrier, Nicholas, Pocahontas, and Webster Counties, West Virginia. Such planning includes, but is not limited to, infrastructure development, economic development, technical assistance, education, community development, health care improvement, resource development, intergovernmental coordination, social enrichment, transportation enhancement, and environmental protection. Inclusive and integral to the Council's comprehensive planning is the ultimate goal of ensuring that the region's public services and facilities are maintained at acceptable levels with the goal of promoting the general health, safety, economic prosperity, and welfare of all its citizens."

The Planning & Development Council's overall mission was a perfect fit with the West Virginia BMP and the TA Project. The overall mission of the BMP is to "advance broadband demand and adoption, and to study and support broadband service and infrastructure development in the State of West Virginia."

Each Regional Broadband Planning team was expected to pursue this mission through a twofold process:

- 1) Conduct a broadband needs assessment and,
- 2) Develop a Broadband Strategic Plan for the region based on the assessment.

¹ Regional Broadband Planning Teams Toolkit

² Region 4 Planning and Development Council 2013 Comprehensive Economic Development Strategy

The initial work of the Planning Teams occurred in a period of about 18 months, but the process is designed to be enduring, such that the needs assessment can be updated overtime and the Strategic Plan can remain dynamic and be adjusted according to changes of circumstances, technologies and the results of the previous implementation efforts.

The Broadband Planning Team members of Region 4 Planning and Development Council are as follows:

- David Ayersman Vice President of Institutional Advancement/Workforce Education,
 New River Community and Technical College, Greenbrier/Nicholas Counties
- Rita Griffith Frontier, Pocahontas County
- Chris Hanshaw Nicholas County Board of Education, Nicholas County
- Dr. Beverly Jo Harris President, Bridgemont Community and Technical College,
 Fayette County
- Dr. Arnold Hassen Osteopathic School, Greenbrier County
- Geoff Heeter Owner, Opossum Creek Retreat, Fayette County
- Bryan Heller Facilities Director, Boy Scouts of America, Fayette County
- Debbie Hill Chief Executive Officer, Summersville Region Medical Center, Nicholas County
- Pete Hobbs Mayor of Ansted, Fayette County
- Chris Kyle Vice-President, Shentel
- John Manchester Mayor of Lewisburg, Greenbrier County
- Don McCourt Mayor of Webster Springs, Webster County
- Tom Minnich CIO, Bridgemont Community and Technical College, Fayette County
- Vickie Nutter Principal, Nicholas County Vocational School, Nicholas County
- Sara Palfrey Summersville Library, Nicholas County
- Tony Simental State GIS Coordinator
- Geary Weir Executive Director, Webster County Economic Development Authority,
 Webster County
- Steve Weir Executive Director, Greenbrier Valley Economic Development Corporation, Greenbrier/Pocahontas Counties
- Randy Underwood Class VI, Fayette County

Regional Overview

The Region 4 Planning & Development Council serves the counties of Fayette, Greenbrier, Nicholas, Pocahontas and Webster and is located in the southeastern portion of West Virginia. The area is referred to as the Appalachian Ridge and Plateau region of the State. The geographic center of Region 4 is located sixty-six (66) miles from Charleston, fifty-two (52) miles from Beckley and eighty-seven (87) miles from Fairmont.

The region encompasses a total land area of 3,847.28 square miles or 16% of the total land area of West Virginia. Region 4 is the largest geographical area of the State's eleven (11) Planning and Development Council regions. The area is heavily forested, has many mineral deposits and has many natural scenic sites. A large portion of the land is undeveloped and is owned by the State or Federal government.

Region 4 is known for its many tourist attractions such as white-water rafting, hunting, fishing, rock climbing, snow skiing, mountain biking, recreational boating, etc. The Region is also blessed with various state parks as well as nationally recognized recreational areas.

Region 4 is rich in natural resources such as coal, natural gas, hydroelectric, wind, timber, limestone, scenic beauty, wildlife, national rivers, national parks and recreational areas, whitewater rafting, rock climbing, snow skiing, etc. With the abundance of these resources, the Region 4 counties are becoming more of a tourism destination. ³



Fayette County was founded in 1831. The municipalities of Fayette County are Ansted, Fayetteville, Gauley Bridge, Meadow Bridge, Montgomery, Mount Hope, Oak Hill, Pax, Smithers and Thurmond. The county's population in 2012 was estimated to be at 45,869. Fayette County is part of the Beckley Metropolitan Area. It has 661.5 sq. miles in land area and a population density of 69.3 per square mile. On the most recent census form, 98.7% of the population reported only one race, with 4.6% of these reporting African-American. The population of this county is 0.9% Hispanic (of any race). The average household size is 2.30 persons compared to an average family size of 2.90 persons.

⁴ U.S. Census Bureau, Population Division

³ Region 4 Planning and Development Council 2013 Comprehensive Economic Development Strategy

In 2012 retail trade was the largest of 20 major sectors. It had an average wage per job of \$24,455. Per capita income grew by 15.3% between 2001 and 2011 (adjusted for inflation).⁵

| People & Income Overview (By Place of Residence) | Value | Rank in U.S. | Industry Overview (2012) (By Place of Work) | Value | Rank in U.S. |
|---|----------|--------------|---|----------|--------------|
| Population (2012) | 45,869 | 1050 | Covered Employment | 12,125 | 1257 |
| Growth (%) since 2010 Census | -0.4% | 1767 | Avg wage per job | \$35,072 | 1378 |
| Households (2011) | 17,801 | 1046 | Manufacturing - % all jobs in County | 4.2% | 2255 |
| Labor Force (persons) (2012) | 18,076 | 1234 | Avg wage per job | \$54,973 | 523 |
| Unemployment Rate (2012) | 8.2 | 1224 | Transportation & Warehousing - % all jobs in County | 2.3% | 1475 |
| Per Capita Personal Income (2011) | \$29,277 | 2412 | Avg wage per job | \$34,211 | 2675 |
| Median Household Income (2011) | \$32,316 | 2818 | Health Care, Social Assist % all jobs in County | D | N/A |
| Poverty Rate (2011) | 21.8 | 651 | Avg wage per job | D | N/A |
| H.S. Diploma or More - % of Adults 25+ (2011 ACS 5yr) | 78.4 | 2,421 | Finance and Insurance - % all jobs in County | 3.0% | 888 |
| Bachelor's Deg. or More - % of Adults 25+ (2011 ACS 5yr) | 10.8 | 2,889 | Avg wage per job | \$31,187 | 2541 |

In 2011 Fayette County had a per capita personal income (PCPI) of \$29,277. This PCPI ranked 31st in the state and was 88 percent of the state average, \$33,403, and 70 percent of the national average, \$41,560. The 2011 PCPI reflected an increase of 6.0 percent from 2010. The 2010-2011 state change was 5.0 percent and the national change was 4.4 percent. In 2001 the PCPI of Fayette was \$19,992 and ranked 35th in the state. The 2001-2011 compound annual growth rate of PCPI was 3.9 percent. The compound annual growth rate for the state was 3.5 percent and for the nation was 2.9 percent.

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Fayette County - Employment versus Unemployment

6 http://www.bea.gov/regional/bearfacts/action.cfm

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⁵ http://www.statsamerica.org/profiles/us_profile_frame.html





Greenbrier County was founded in 1778. The municipalities of Greenbrier County are Alderson, Falling Springs/Renick, Lewisburg, Quinwood, Rainelle, Ronceverte, Rupert and White Sulphur Springs. The county's population in 2012 was estimated to be at 35,820.⁷ It has 1,019.6 sq. miles in land area and a population density of 35.1 per square mile. On the most recent census form, 98.5% of the population reported only one race, with 2.8% of these reporting African-American. The population of this county is 1.2% Hispanic (of any race). The average household size is 2.30 persons compared to an average family size of 2.80 persons.

In 2012 accommodation and food services was the largest of 20 major sectors. It had an average wage per job of \$26,985. Per capita income grew by 10.3% between 2001 and 2011 (adjusted for inflation).⁸

| People & Income Overview (By Place of Residence) | Value | Rank in U.S. | Industry Overview (2012) (By Place of Work) | Value | Rank in U.S. |
|---|----------|--------------|---|----------|--------------|
| Population (2012) | 35,820 | 1281 | Covered Employment | 13,547 | 1165 |
| Growth (%) since 2010 Census | 1.0% | 903 | Avg wage per job | \$32,319 | 1981 |
| Households (2011) | 15,412 | 1183 | Manufacturing - % all jobs in County | 5.9% | 2018 |
| Labor Force (persons) (2012) | 15,236 | 1376 | Avg wage per job | \$36,741 | 1991 |
| Unemployment Rate (2012) | 7.8 | 1387 | Transportation & Warehousing - % all jobs in County | 1.9% | 1673 |
| Per Capita Personal Income (2011) | \$32,130 | 1855 | Avg wage per job | \$42,453 | 1402 |
| Median Household Income (2011) | \$35,924 | 2421 | Health Care, Social Assist % all jobs in County | 19.8% | 188 |
| Poverty Rate (2011) | 17.9 | 1276 | Avg wage per job | \$36,758 | 989 |
| H.S. Diploma or More - % of Adults 25+ (2011 ACS 5yr) | 79.4 | 2,333 | Finance and Insurance - % all jobs in County | 1.6% | 2355 |
| Bachelor's Deg. or More - % of Adults 25+ (2011 ACS 5yr) | 17.0 | 1,628 | Avg wage per job | \$35,689 | 2175 |

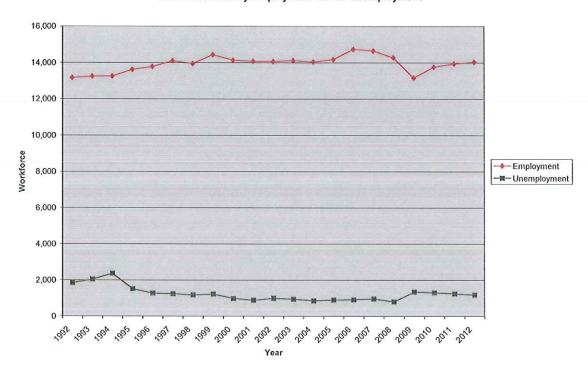
In 2011 Greenbrier County had a per capita personal income (PCPI) of \$32,130. This PCPI ranked 15th in the state and was 96 percent of the state average, \$33,403, and 77 percent of the national average, \$41,560. The 2011 PCPI reflected an increase of 5.0 percent from 2010. The 2010-2011 state change was 5.0 percent and the national change was 4.4 percent. In 2001 the PCPI of Greenbrier was \$22,933 and ranked 17th in the state. The 2001-2011 compound annual growth rate of PCPI was 3.4 percent. The compound annual growth rate for the state was 3.5 percent and for the nation was 2.9 percent. 9

⁷ U.S. Census Bureau, Population Division

⁸ http://www.statsamerica.org/profiles/us profile frame.html

http://www.bea.gov/regional/bearfacts/action.cfm

Greenbrier County Employment versus Unemployment





Nicholas County was founded in 1818. The municipalities of Nicholas County are Richwood and Summersville. The county's population in 2012 was estimated to be at 26,229. 10 It has 1,019.6 sq. miles in land area and a population density of 35.1 per square mile. On the most recent census form, 98.5% of the population reported only one race, with 2.8% of these reporting African-American. The population of this county is 1.2% Hispanic (of any race). The average household size is 2.30 persons compared to an average family size of 2.80 persons.

In 2012 accommodation and food services was the largest of 20 major sectors. It had an average wage per job of \$26,985. Per capita income grew by 10.3% between 2001 and 2011 (adjusted for inflation). 11

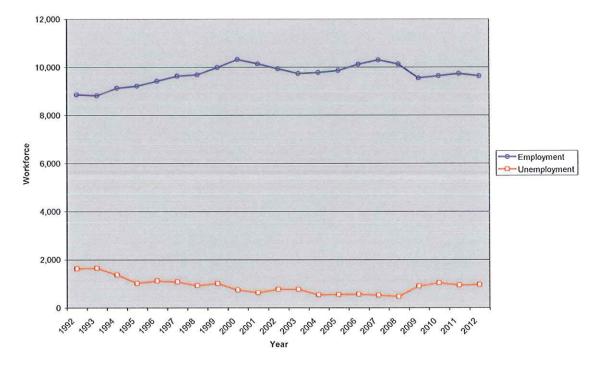
¹⁰ U.S. Census Bureau, Population Division

¹¹ http://www.statsamerica.org/profiles/us profile frame.html

| People & Income Overview (By Place of Residence) | Value | Rank in U.S. | Industry Overview (2012) (By Place of Work) | Value | Rank in U.S. |
|---|----------|-----------------|---|----------|--------------|
| Population (2012) | 35,820 | 1281 | Covered Employment | 13,547 | 1165 |
| Growth (%) since 2010 Census | 1.0% | 903 | Avg wage per job | \$32,319 | 1981 |
| Households (2011) | 15,412 | 1183 | Manufacturing - % all jobs in County | 5.9% | 2018 |
| Labor Force (persons) (2012) | 15,236 | 1376 | Avg wage per job | \$36,741 | 1991 |
| Unemployment Rate (2012) | 7.8 | 1387 | Transportation & Warehousing - % all jobs in County | 1.9% | 1673 |
| Per Capita Personal Income (2011) | \$32,130 | 1855 | Avg wage per job | \$42,453 | 1402 |
| Median Household Income (2011) | \$35,924 | 2421 | Health Care, Social Assist % all jobs in County | 19.8% | 188 |
| Poverty Rate (2011) | 17.9 | 1276 | Avg wage per job | \$36,758 | 989 |
| H.S. Diploma or More - % of Adults 25+ (2011 ACS 5yr) | 79.4 | 2,333 | Finance and Insurance - % all jobs in County | 1.6% | 2355 |
| Bachelor's Deg. or More - % of Adults 25+ (2011 ACS 5yr) | 17.0 | 1,628 | Avg wage per job | \$35,689 | 2175 |

In 2011 Nicholas County had a per capita personal income (PCPI) of \$31,088. This PCPI ranked 21st in the state and was 93 percent of the state average, \$33,403, and 75 percent of the national average, \$41,560. The 2011 PCPI reflected an increase of 5.8 percent from 2010. The 2010-2011 state change was 5.0 percent and the national change was 4.4 percent. In 2001 the PCPI of Nicholas was \$20,738 and ranked 28th in the state. The 2001-2011 compound annual growth rate of PCPI was 4.1 percent. The compound annual growth rate for the state was 3.5 percent and for the nation was 2.9 percent. ¹²





¹² http://www.bea.gov/regional/bearfacts/action.cfm

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Pochahontas County



Pocahontas County was founded in 1821. The municipalities of Pocahontas County are Durbin, Hillsboro and Marlinton. The county's population in 2012 was estimated to be at 8,692. It has 940.3 sq. miles in land area and a population density of 9.2 per square mile. On the most recent census form, 99.0% of the population reported only one race, with 0.7% of these reporting African-American. The population of this county is 0.8% Hispanic (of any race). The average household size is 2.20 persons compared to an average family size of 2.80 persons.

In 2012 accommodation and food services was the largest of 20 major sectors. It had an average wage per job of \$22,241. Per capita income grew by 6.9% between 2001 and 2011 (adjusted for inflation). ¹⁴

| People & Income Overview (By Place of Residence) | Value | Rank in U.S. | Industry Overview (2012) (By Place of Work) | Value | Rank in U.S. |
|---|----------|--------------|---|----------|--------------|
| Population (2012) | 8,692 | 2549 | Covered Employment | 3,063 | 2369 |
| Growth (%) since 2010 Census | -0.3% | 1692 | Avg wage per job | \$27,475 | 2899 |
| Households (2011) | 3,819 | 2524 | Manufacturing - % all jobs in County | 8.2% | 1697 |
| Labor Force (persons) (2012) | 3,410 | 2664 | Avg wage per job | \$30,350 | 2476 |
| Unemployment Rate (2012) | 10.8 | 369 | Transportation & Warehousing - % all jobs in County | 3.8% | 790 |
| Per Capita Personal Income (2011) | \$30,446 | 2212 | Avg wage per job | \$33,536 | 2744 |
| Median Household Income (2011) | \$34,928 | 2550 | Health Care, Social Assist % all jobs in County | D | N/A |
| Poverty Rate (2011) | 18.7 | 1121 | Avg wage per job | D | N/A |
| H.S. Diploma or More - % of Adults 25+ (2011 ACS 5yr) | 83.2 | 1,861 | Finance and Insurance - % all jobs in County | 1.4% | 2475 |
| Bachelor's Deg. or More - % of Adults 25+ (2011 ACS 5yr) | 16.4 | 1,756 | Avg wage per job | \$29,073 | 2623 |

In 2011 Pocahontas County had a per capita personal income (PCPI) of \$30,446. This PCPI ranked 27th in the state and was 91 percent of the state average, \$33,403, and 73 percent of the national average, \$41,560. The 2011 PCPI reflected an increase of 3.2 percent from 2010. The 2010-2011 state change was 5.0 percent and the national change was 4.4 percent. In 2001 the PCPI of Pocahontas was \$22,417 and ranked 21st in the state. The 2001-2011 compound annual growth rate of PCPI was 3.1 percent. The

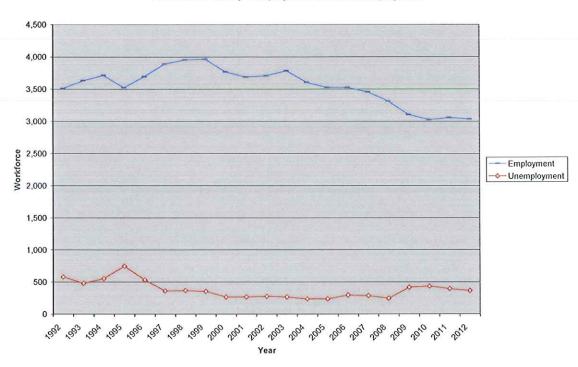
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¹³ U.S. Census Bureau, Population Division

¹⁴ http://www.statsamerica.org/profiles/us profile frame.html

compound annual growth rate for the state was 3.5 percent and for the nation was 2.9 percent.¹⁵

Pocahontas County - Employment versus Unemployment



ebster County



Webster County was founded in 1860. The municipalities of Webster County are Camden-on-Gauley, Cowen and Webster Springs. The county's population in 2012 was estimated to be at 9,043. It has 553.5 sq. miles in land area and a population density of 16.3 per square mile. On the most recent census form, 99.0% of the population reported only one race, with 0.2% of these reporting African-American. The population of this county is 0.5% Hispanic (of any race). The average household size is 2.40 persons compared to an average family size of 2.90 persons.

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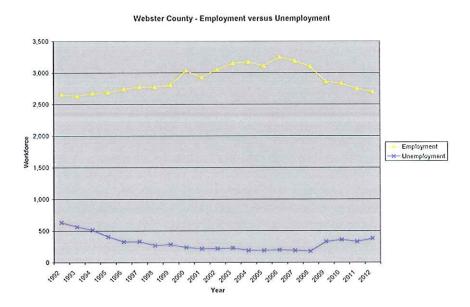
¹⁵ http://www.bea.gov/regional/bearfacts/action.cfm

¹⁶ U.S. Census Bureau, Population Division

In 2012 health care and social assistance was the largest of 20 major sectors. It had an average wage per job of \$20,603. Per capita income grew by 21.3% between 2001 and 2011 (adjusted for inflation). ¹⁷

| People & Income Overview (By Place of Residence) | Value | Rank in U.S. | Industry Overview (2012) (By Place of Work) | Value | Rank in U.S. |
|---|----------|--------------|---|----------|--------------|
| Population (2012) | 9,043 | 2517 | Covered Employment | 2,026 | 2632 |
| Growth (%) since 2010 Census | -1.2% | 2389 | Avg wage per job | \$36,401 | 1140 |
| Households (2011) | 4,020 | 2477 | Manufacturing - % all jobs in County | 8.3% | 1678 |
| Labor Force (persons) (2012) | 3,088 | 2728 | Avg wage per job | \$26,556 | 2644 |
| Unemployment Rate (2012) | 12.4 | 158 | Transportation & Warehousing - % all jobs in County | 7.8% | 183 |
| Per Capita Personal Income (2011) | \$24,896 | 2973 | Avg wage per job | \$33,054 | 2789 |
| Median Household Income (2011) | \$28,697 | 3034 | Health Care, Social Assist % all jobs in County | 13.8% | 812 |
| Poverty Rate (2011) | 26.8 | 242 | Avg wage per job | \$20,603 | 2134 |
| H.S. Diploma or More - % of Adults 25+ (2011 ACS 5yr) | 67.9 | 3,090 | Finance and Insurance - % all jobs in County | D | N/A |
| Bachelor's Deg. or More - % of Adults 25+ (2011 ACS 5yr) | 8.6 | 3,125 | Avg wage per job | D | N/A |

In 2011 Webster County had a per capita personal income (PCPI) of \$24,896.00. This PCPI ranked 47th in the state and was 75 percent of the state average, \$33,403, and 60 percent of the national average, \$41,560. The 2011 PCPI reflected an increase of 4.4 percent from 2010. The 2010-2011 state change was 5.0 percent and the national change was 4.4 percent. In 2001 the PCPI of Webster was \$16,164.00 and ranked 54th in the state. The 2001-2011 compound annual growth rate of PCPI was 4.4 percent. The compound annual growth rate for the state was 3.5 percent and for the nation was 2.9 percent. ¹⁸

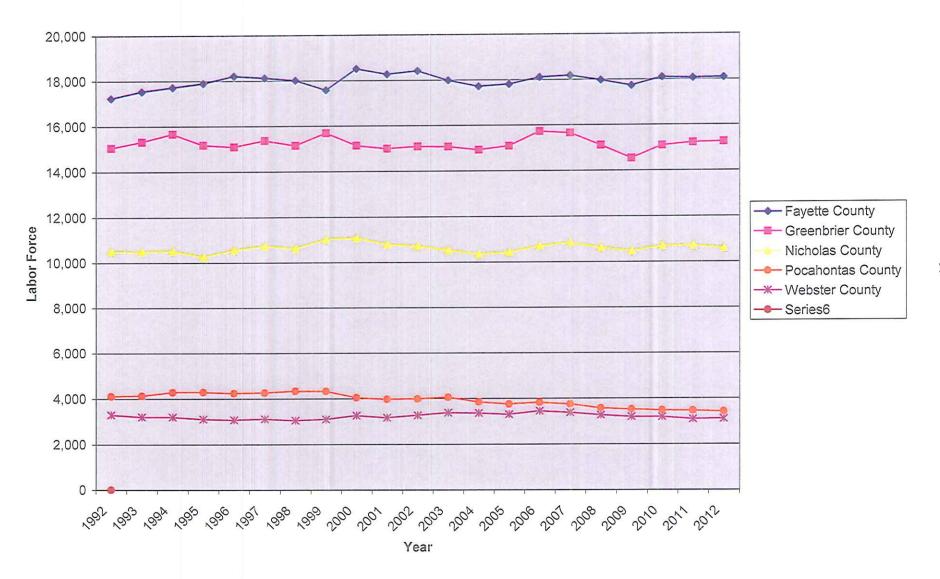


17 http://www.statsamerica.org/profiles/us profile frame.html

http://www.bea.gov/regional/bearfacts/action.cfm

_

Civilian Labor Force

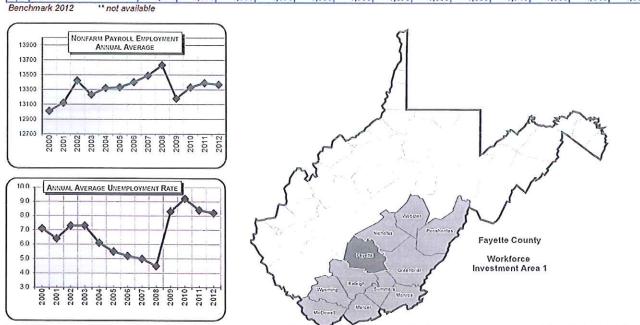




| Employment and Wages | 2 8 T ST 1 | 2012 | 8 TO 1942 1 | | 2011 | SEC. LA | | |
|--|---|--|----------------------|----------------------|----------------------|--------------------|--|--|
| Annual Averages | Emp. | Total Wages | Avg Annual Wage | Emp | Total Wages | Avg Annual Wage | | |
| Total, All Industries | 12,125 | \$425,232,931 | \$35,071 | 12,284 | \$431,801,179 | \$35,152 | | |
| Total, Private Sector | 8,856 | 307,816,924 | 34,758 | 9,053 | 315,945,313 | 34,900 | | |
| Natural Resources and Mining | 798 | 60,740,037 | 76,115 | 856 | 69,598,338 | 81,306 | | |
| Construction | 390 | 13,048,531 | 33,458 | 429 | 14,275,188 | 33,275 | | |
| Manufacturing | 505 | 27,784,223 | 55,018 | 494 | 26,922,197 | 54,498 | | |
| Trade, Transportation, and Utilities | 2,364 | 71,749,375 | 30,351 | 2,423 | 72,393,498 | 29,878 | | |
| 42 Wholesale trade | 360 | 17,590,063 | 48,861 | 364 | 17,867,024 | 49,085 | | |
| 44-45 Retail trade | 1,722 | 42,109,843 | 24,454 | 1,768 | 42,506,565 | 24,042 | | |
| 48-49 Transportation and warehousing | 195 | 6,128,671 | 31,429 | 203 | 6,332,884 | 31,196 | | |
| Information | 70 | 3,838,858 | 54,841 | 74 | 3,800,477 | 51,358 | | |
| Financial Activities | 420 | 12,661,276 | 30,146 | 457 | 13,001,635 | 28,450 | | |
| Professional and Business Services | 483 | 17,646,869 | 36,536 | 490 | 16,455,329 | 33,582 | | |
| Education and Health Services | 1,884 | 64,634,972 | 34,307 | 1,865 | 62,577,775 | 33,554 | | |
| Leisure and Hospitality | 1,555 | 21,880,959 | 14,071 | 1,530 | 21,111,670 | 13,798 | | |
| Other Services | 385 | 13,781,657 | 35,797 | 433 | 15,756,266 | 36,389 | | |
| Government | 3,269 | 117,416,007 | 35,918 | 3,230 | 115,855,866 | 35,869 | | |
| Federal Government | 290 | 16,713,220 | 57,632 | 289 | 16,884,579 | 58,424 | | |
| State Government | 1,186 | 44,393,727 | 37,431 | 1,185 | 43,677,754 | 36,859 | | |
| Local Government | 1,794 | 56,309,060 | 31,387 | 1,757 | 55,293,533 | 31,470 | | |
| Demographics (2010 Census) | | Top 10 Employers | | | | | | |
| Total Population 2012 | 45,869 | March 2012 | | | | | | |
| Total Population 2000 | 47,498 | 1 | Fayette County E | Board of Education | 1 | | | |
| Total Population 1990 | 47,952 | | | | | | | |
| Total Population 1980 | 57,863 | | | | | | | |
| Total Population 1970 | 49,332 | | | | | | | |
| Sex and Age | | 5 Wal-Mart Stores, Inc. | | | | | | |
| Male | 23,085 | 6 | WVA Manufactu | ring, LLC | | | | |
| Female | 22,954 | 7 | Oak Hill Hospital | Corporation (Pla | teau Medical Center) | | | |
| Ages 14 and below | 7,842 | 8 | Montgomery Ger | neral Hospital | | | | |
| Ages 15 to 19 | 2,730 | 9 | Kingston Mining, | - 67 | | | | |
| Ages 20 to 24 | 2,481 | 10 | New River Healt | h Association, Inc | | | | |
| Ages 25 to 34 | 5,362 | Worker Commuting | Patterns | | ALC: U.S. | | | |
| Ages 35 to 44 | 5,831 | | | Total | Male | Female | | |
| Ages 45 to 54 | 6,910 | Number | | 15,839 | 8,716 | 7,123 | | |
| Ages 55 to 64 | 7,081 | Worked in state of re- | sldence: | 15,556 | 8,447 | 7,109 | | |
| Ages 65 and older | 7,802 | Worked in county of r | esidence | 9,412 | 4,595 | 4,817 | | |
| Median Age | 43.0 | Worked outside coun | ty of residence | 6,144 | 3,852 | 2,292 | | |
| Race | | Worked outside state | of residence | 283 | 269 | 14 | | |
| White | 43,026 | 2010 American Commun | nity Survey 5-Year E | stimates | | | | |
| Black or African American | | Income | | | | | | |
| American Indian and Alaska Native | 92 | | ome (000) | 2011 | | \$1,337,9 | | |
| Asian | 91 | Percapita Persona | | 2011 | | \$29,2 | | |
| Native Hawaiian and Other Pacific | 5 | | | | | Numb | | |
| Some other race | 84 | Less than \$10,000 | | | | 2,0 | | |
| Two or more races | 619 | \$10,000 to \$14,99 | | | | 2,0 | | |
| Links | | \$15,000 to \$24,99 | | | | 3,3 | | |
| Labor Market Information | - | \$25,000 to \$34,99 | | | | 2,6 | | |
| http://www.workforcewv.org/imi/newsrelease.html | | \$35,000 to \$49,99 | | | | 2,8 | | |
| and the same of th | | The Control of the Co | - | | | 3,4 | | |
| The third that the transfer of | http://www.workforcewv.org/imi/lateemp.html | | | \$50,000 to \$74,999 | | | | |
| Occupational Projections and Demand Occupation | | \$75,000 to \$99,99 | | 1,2 | | | | |
| http://www.workforcewv.org/lml/occproj/LongTermProjMenu.ht | mi | \$100,000 to \$149, | 000 | | | | | |
| Occupational Wages | | \$150,000 or more | | 31 | | | | |
| http://www.workforcewv.org/lmi/owqtr/WIA_menu.htm | | Median Household | Income (2011) | The second second | | \$32,3 | | |
| | | 'US Census Bureau | | | | | | |



| County: | 100 | E'e | K | | | | Fayette | | 10.00 | 700 | | | |
|---|--------|--------|--------|--------|--------|--------|-----------|--------|--------|--------|--------|--------|--------|
| County Seat: | | | | | | | yettevill | (e) | | | | | |
| Labor Force Statistics | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
| Civilian Labor Force | 18,500 | 18,270 | 18,370 | 17,890 | 17,770 | 18,010 | 18,200 | 18,070 | 17,910 | 17,960 | 18,100 | 18,060 | 18,080 |
| Total Employment | 17,190 | 17,110 | 17,030 | 16,590 | 16,690 | 17,010 | 17,260 | 17,160 | 17,100 | 16,460 | 16,430 | 16,540 | 18,600 |
| Total Unemployment | 1,320 | 1,160 | 1,340 | 1,300 | 1,080 | 1,000 | 940 | 910 | 810 | 1,500 | 1,670 | 1,520 | 1,480 |
| Unemployment Rate | 7.1 | 6.4 | 7.3 | 7.3 | 6.1 | 5.5 | 5.2 | 5.0 | 4.5 | 8.3 | 9.2 | 8.4 | 8.2 |
| Total Nonfarm Payroll Employment by Industry | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
| Total Nonfarm Payroli Employment | 13,010 | 13,120 | 13,420 | 13,230 | 13,320 | 13,330 | 13,400 | 13,490 | 13,630 | 13,180 | 13,330 | 13,390 | 13,370 |
| Total Private | 9,790 | 9,890 | 10,200 | 9,990 | 10,060 | 10,030 | 10,150 | 10,300 | 10,470 | 10,050 | 10,090 | 10,000 | 9,910 |
| Goods Producing | 1,780 | 1,830 | 1,850 | 1,670 | 1,570 | 1,600 | 1,630 | 1,820 | 2,070 | 1,800 | 1,730 | 1,790 | 1,680 |
| Mining and Logging | 280 | 420 | 540 | 490 | 450 | 500 | 520 | 680 | 830 | 720 | ** | ** | ** |
| Construction | 580 | 540 | 530 | 470 | 480 | 480 | 490 | 530 | 620 | 540 | ** | ** | •• |
| Manufacturing | 930 | 880 | 780 | 710 | 640 | 630 | 610 | 620 | 620 | 540 | *** | ** | #1 |
| Service Providing | 11,220 | 11,280 | 11,570 | 11,560 | 11,750 | 11,720 | 11,770 | 11,670 | 11,560 | 11,390 | 11,600 | 11,600 | 11,690 |
| Private Service Providing | 8,010 | 8,060 | 8,350 | 8,320 | 8,490 | 8,430 | 8,520 | 8,480 | 8,400 | 8,250 | 8,360 | 8,210 | 8,230 |
| Trade, Transportation and Util | 2,460 | 2,360 | 2,320 | 2,260 | 2,280 | 2,290 | 2,490 | 2,550 | 2,510 | 2,440 | 2,450 | 2,470 | 2,420 |
| Wholesale Trade | 360 | 350 | 280 | 290 | 320 | 350 | 370 | 370 | 370 | 320 | ** | ** | |
| Retail Trade | 1,810 | 1,680 | 1,660 | 1,630 | 1,640 | 1,660 | 1,810 | 1,880 | 1,850 | 1,790 | 1,780 | 1,770 | 1,720 |
| Transport, Warehousing & Util | 290 | 330 | 370 | 340 | 310 | 290 | 310 | 300 | 300 | 320 | ** | ** | |
| Information | 120 | 130 | 100 | 70 | 80 | 70 | 70 | 60 | 60 | 70 | 70 | 70 | 70 |
| Financial Activities | 360 | 350 | 720 | 780 | 850 | 750 | 760 | 680 | 610 | 560 | 4.5 | ** | * |
| Profess and Business Serv | 580 | 550 | 530 | 610 | 610 | 590 | 530 | 480 | 460 | 460 | ** | •• | • |
| Education and Health Serv | 1,890 | 1,950 | 1,990 | 1,930 | 1,970 | 1,950 | 1,870 | 1,890 | 1,900 | 1,880 | ** | ¢ t | |
| Lefsure and Hospitality | 1,550 | 1,590 | 1,530 | 1,490 | 1,490 | 1,540 | 1,560 | 1,590 | 1,600 | 1,570 | ** | ** | |
| Other Services | 1,060 | 1,140 | 1,160 | 1,190 | 1,210 | 1,240 | 1,260 | 1,220 | 1,260 | 1,280 | ** | ** | • |
| Total Government | 3,220 | 3,230 | 3,230 | 3,240 | 3,260 | 3,290 | 3,250 | 3,190 | 3,160 | 3,140 | 3,240 | 3,390 | 3,450 |
| Federal | 310 | 290 | 300 | 300 | 300 | 280 | 290 | 300 | 310 | 320 | 340 | 290 | 290 |
| State | 1,130 | 1,260 | 1,280 | 1,280 | 1,300 | 1,310 | 1,300 | 1,210 | 1,160 | 1,110 | 1,080 | 1,240 | 1,240 |
| Local | 1,770 | 1,670 | 1,650 | 1,670 | 1,660 | 1,700 | 1,670 | 1,680 | 1,690 | 1,710 | 1,830 | 1,860 | 1,930 |



WorkForce West Virginia: Research, Information and Analysis

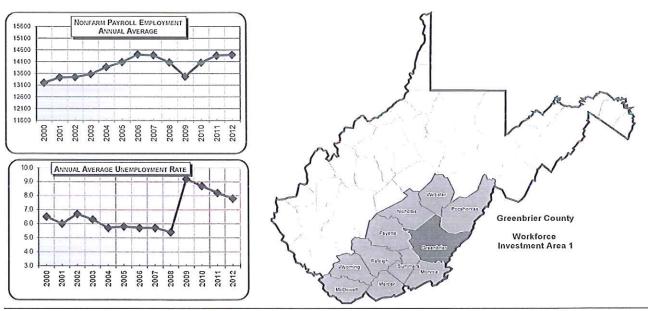
June 2013



| mployment and Wages | | 2012 | | 2011 | | | | |
|--|---------------------|--|--|------------------|---------------|--------------------|--|--|
| Annual Averages | Emp. | Total Wages | Avg Annual Wage | Emp | Total Wages | Avg Annual Wage | | |
| Total, All Industries | 13,542 | \$437,690,126 | \$32,321 | 13,505 | \$428,318,565 | \$31,716 | | |
| Total, Private Sector | 11,153 | 349,460,193 | 31,333 | 11,180 | 342,983,689 | 30,678 | | |
| Natural Resources and Mining | 290 | 14,261,093 | 49,176 | 246 | 11,491,764 | 46,714 | | |
| Construction | 398 | 12,086,466 | 30,368 | 410 | 12,208,475 | 29,777 | | |
| Manufacturing | 795 | 29,205,964 | 36,737 | 760 | 28,015,169 | 36,862 | | |
| Trade, Transportation, and Utilities | 2,379 | 66.829.578 | 28,091 | 2,422 | 66,581,436 | 27,490 | | |
| 42 Wholesale trade | 153 | 5,295,532 | 34,611 | 208 | 7,184,802 | 34,542 | | |
| 44-45 Retail trade | 1,968 | 48,935,007 | 24,865 | 1,953 | 46,832,169 | 23,980 | | |
| 48-49 Transportation and warehousing | 207 | 8,547,004 | 41,290 | 209 | 8,487,092 | 40,608 | | |
| Information | 92 | 3,785,337 | 41,145 | 90 | 3,749,611 | 41,662 | | |
| Financial Activities | 339 | 11,278,822 | 33,271 | 338 | 11,098,191 | 32,835 | | |
| Professional and Business Services | 867 | 26,774,174 | 30,881 | 895 | 24,307,199 | 27,159 | | |
| Education and Health Services | 2,715 | 98,966,620 | 36,452 | 2,644 | 95,361,298 | 36,067 | | |
| Leisure and Hospitality | 2,887 | 76,691,710 | 26,564 | 2,985 | 80,905,489 | 27,104 | | |
| Other Services | 388 | 9,505,474 | 24,499 | 389 | 9,252,332 | 23,785 | | |
| Government | 2,389 | 88,229,933 | 36,932 | 2,324 | 85,334,876 | 36,719 | | |
| Federal Government | 101 | 5,139,359 | 50,885 | 111 | 5,489,806 | 49,458 | | |
| State Government | 878 | 38,791,022 | 44,181 | 861 | 36,838,699 | 42,786 | | |
| Local Government | 1,410 | 44,299,552 | 31,418 | 1,353 | 43,006,371 | 31,786 | | |
| Demographics (2010 Census) | | Top 10 Employers | | | | | | |
| Total Population 2012 | 35,820 | March 2012 | | | | | | |
| Total Population 2000 | 34,423 | | | | | | | |
| Total Population 1990 | 34,693 | 3 2 Greenbrier County Board of Education | | | | | | |
| Total Population 1980 | 37,665 | 5 3 Greenbrier Valley Medical Center | | | | | | |
| Total Population 1970 | 32,090 | Wal-Mart Stores, Inc. | | | | | | |
| Sex and Age | | 5 West Virginia School of Osteopathic Medicine | | | | | | |
| Male | 17,296 | 6 | West Virginia De | partment of High | ways | | | |
| Female | 18,184 | 7 | ABB, Inc. | | | | | |
| Ages 14 and below | 5,855 | 8 | The Kroger Com | pany | | | | |
| Ages 15 to 19 | 2,022 | 9 | Seneca Health S | Services, Inc. | | | | |
| Ages 20 to 24 | 1,935 | 10 | Res-Care, Inc. | | | | | |
| Ages 25 to 34 | 3,830 | Worker Commuting | Patterns | | | | | |
| Ages 35 to 44 | 4,116 | * | | Total | Male | Female | | |
| Ages 45 to 54 | 5,400 | Number | | 13,767 | 7,170 | 6,597 | | |
| Ages 55 to 64 | 5,484 | Worked in state of | | 12,884 | 6,505 | 6,379 | | |
| Ages 65 and older | 6,838 | Worked in county of | VIII CONTURNED C | 11,546 | 5,557 | 5,989 | | |
| Median Age | 45.0 | Worked outside coun | | 1,338 | 948 | 390 | | |
| Race | | Worked outside sta | ate of residence | 883 | 665 | 218 | | |
| White | 33,565 | 2010 American Commu | nity Survey 5-Year E | stimates | | | | |
| Black or African American | 931 | Income | | | | | | |
| American Indian and Alaska Native | 112 | Total Personal Inco | ome (000) | 2011 | | \$1,150,25 | | |
| Asian | 142 | | | 2011 | | \$32,13 | | |
| Native Hawaiian and Other Pacific | 8 | Household Income ¹ | | | | Numbe | | |
| Some other race | 138 | Less than \$10,000 | | | | 2,08 | | |
| Two or more races | 534 | \$10,000 to \$14,99 | 9 | | | 1,27 | | |
| Links | | \$15,000 to \$24,99 | 9 | | | 2,49 | | |
| Labor Market Information | | \$25,000 to \$34,99 | 9 | | | 2,53 | | |
| http://www.workforcewv.org/lmi/newsrelease.html | | \$35,000 to \$49,99 | 9 | | | 2,41 | | |
| http://www.workforcewv.org/lmi/lateemp.html | | \$50,000 to \$74,99 | 9 | | | 2,62 | | |
| Occupational Projections and Demand Occupations | \$75,000 to \$99,99 | 9 | 1,07 | | | | | |
| http://www.workforcewv.org/lml/occproj/LongTermProjMenu.html | | \$100,000 to \$149, | 000 | | | 6 | | |
| Occupational Wages | | \$150,000 or more | 3 | | | 3- | | |
| http://www.workforcewv.org/lmi/owqtr/WIA_menu.htm | | Median Household | I Income (2011) | | | \$35,92 | | |
| mp.//www.workiorcewv.org/min/owqu/www_menu.num | | 'US Census Bureau | | | | 71- | | |



| County: | | | | | | G | reenbrie | | | | | | |
|---|---------------------|--------|--------|--------|--------|--------|----------|--------|--------|--------|--------|--------|-------|
| County Seat: | nty Seat: Lewisburg | | | | | | | | | | | | |
| Labor Force Statistics | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
| civilian Labor Force | 15,120 | 14,990 | 15,050 | 15,000 | 14,960 | 15,260 | 15,770 | 15,560 | 14,900 | 14,720 | 15,080 | 15,210 | 15,24 |
| Total Employment | 14,140 | 14,090 | 14,050 | 14,060 | 14,110 | 14,370 | 14,870 | 14,680 | 14,110 | 13,360 | 13,780 | 13,960 | 14,05 |
| Total Unemployment | 990 | 900 | 1,000 | 940 | 850 | 890 | 900 | 880 | 800 | 1,360 | 1,310 | 1,250 | 1,19 |
| Unemployment Rate | 6.5 | 6.0 | 6.7 | 6.3 | 5.7 | 5.8 | 5.7 | 5.7 | 5.4 | 9.2 | 8.7 | 8.2 | 7. |
| Total Nonfarm Payroll Employment by Industry | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
| otal Nonfarm Payroll Employment | 13,200 | 13,430 | 13,440 | 13,570 | 13,870 | 14,080 | 14,410 | 14,370 | 14,070 | 13,470 | 14,060 | 14,360 | 14,39 |
| otal Private | 10,890 | 11,170 | 11,230 | 11,350 | 11,600 | 11,800 | 12,090 | 12,130 | 11,870 | 11,200 | 11,690 | 11,920 | 11,89 |
| Boods Producing | 1,620 | 1,770 | 1,780 | 1,760 | 1,760 | 1,820 | 1,890 | 1,810 | 1,700 | 1,350 | 1,280 | 1,300 | 1,36 |
| Mining and Logging | 250 | 290 | 260 | 200 | 220 | 170 | 220 | 170 | 150 | 130 | •• | •• | |
| Construction | 370 | 460 | 490 | 580 | 660 | 800 | 840 | 760 | 670 | 480 | ** | ** | |
| Manufacturing | 1,000 | 1,020 | 1,020 | 980 | 880 | 850 | 830 | 880 | 880 | 740 | •• | # a | |
| Service Providing | 11,590 | 11,660 | 11,670 | 11,810 | 12,100 | 12,260 | 12,520 | 12,570 | 12,370 | 12,120 | 12,770 | 13,060 | 13,03 |
| rivate Service Providing | 9,270 | 9,400 | 9,450 | 9,590 | 9,840 | 9,990 | 10,200 | 10,320 | 10,170 | 9,850 | 10,410 | 10,620 | 10,5 |
| Trade, Transportation and Util | 2,680 | 2,630 | 2,630 | 2,600 | 2,630 | 2,730 | 2,760 | 2,840 | 2,770 | 2,550 | 2,530 | 2,490 | 2,4 |
| Wholesale Trade | 320 | 300 | 280 | 290 | 280 | 300 | 350 | 380 | 370 | 240 | 230 | 200 | 1 |
| Retall Trade | 1,990 | 1,990 | 1,990 | 1,960 | 2,000 | 2,080 | 2,040 | 2,060 | 2,000 | 1,940 | 1,960 | 1,970 | 1,9 |
| Transport, Warehousing & Util | 370 | 340 | 360 | 350 | 350 | 350 | 380 | 400 | 390 | 370 | 350 | 320 | 3 |
| Information | 120 | 120 | 110 | 110 | 100 | 100 | 100 | 100 | 90 | 80 | 21 | 8.2 | |
| Financial Activities | 350 | 350 | 360 | 350 | 370 | 370 | 390 | 390 | 390 | 370 | •• | ** | |
| Profess and Business Serv | 370 | 360 | 390 | 450 | 510 | 550 | 720 | 790 | 730 | 820 | ** | ** | |
| Education and Health Serv | 2,140 | 2,240 | 2,260 | 2,260 | 2,350 | 2,370 | 2,320 | 2,370 | 2,490 | 2,530 | •• | ** | |
| Leisure and Hospitality | 2,640 | 2,680 | 2,650 | 2,730 | 2,740 | 2,740 | 2,780 | 2,690 | 2,550 | 2,320 | 2,780 | 2,990 | 2,8 |
| Other Services | 980 | 1,040 | 1,050 | 1,080 | 1,140 | 1,140 | 1,130 | 1,150 | 1,170 | 1,180 | ** | •• | |
| Total Government | 2,320 | 2,250 | 2,220 | 2,220 | 2,260 | 2,280 | 2,320 | 2,250 | 2,200 | 2,270 | 2,360 | 2,440 | 2,5 |
| Federal | 150 | 130 | 130 | 120 | 130 | 130 | 120 | 110 | 110 | 110 | 130 | 110 | 1 |
| State | 770 | 720 | 710 | 720 | 740 | 720 | 740 | 750 | 760 | 770 | 800 | 860 | 8 |
| Local | 1,400 | 1,400 | 1,380 | 1,380 | 1,400 | 1,430 | 1,470 | 1,390 | 1,330 | 1,380 | 1,430 | 1,470 | 1,5 |



WorkForce West Virginia: Research, Information and Analysis

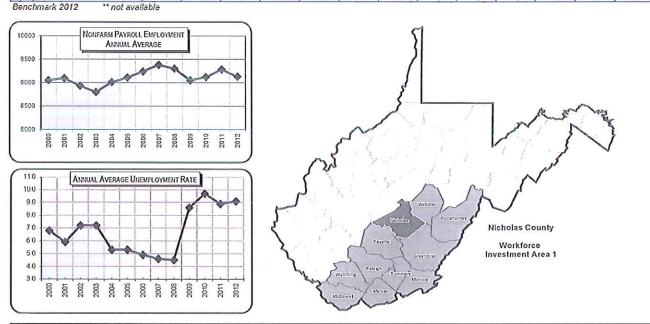
June 2013



| Emp. 8,514 | 2012 Total Wages | Avg Annual | | | Avg Annual | | | |
|---|--|--|---|---|---|--|--|--|
| 8,514 | (Olai Hages | Wage | Total Wages | Wage | | | | |
| | \$313,223,986 | \$36,789 | 8,652 | \$315,271,448 | \$36,439 | | | |
| 6,659 | 245,527,921 36,872 6,786 | | | 248,727,807 | 36,653 | | | |
| 1,112 | 82,575,819 | 74,259 | 1,307 | 91,105,392 | 69,706 | | | |
| 270 | 8,881,601 | 32,895 | 254 | 8,321,577 | 32,762 | | | |
| 703 | 31,322,257 | 44,555 | 704 | 30,295,910 | 43,034 | | | |
| 1,836 | 50,268,074 | 27,379 | 1,805 | 49,457,628 | 27,400 | | | |
| 195 | 8,224,075 | 42,175 | 185 | 7,703,463 | 41,640 | | | |
| 1,478 | 35,264,779 | 23,860 | 1,454 | 34,519,657 | 23,741 | | | |
| 144 | 5,120,673 | 35,560 | 145 | 5,491,409 | 37,872 | | | |
| 45 | 2,352,888 | 52,286 | 46 | 2,183,478 | 47,467 | | | |
| 168 | 4,940,048 | 29,405 | 221 | 5,688,333 | 25,739 | | | |
| 394 | 20,325,371 | 51,587 | 398 | 21,067,351 | 52,933 | | | |
| 1,090 | 26,938,967 | 24,715 | 1,036 | 24,712,216 | 23,853 | | | |
| 808 | 10,941,623 | 13,575 | 808 | 10,483,655 | 12,975 | | | |
| 232 | | 29,750 | 204 | 5,312,656 | 26,042 | | | |
| 1,856 | Total Andrews Control of Control | | 1,867 | 100000000000000000000000000000000000000 | 35,642 | | | |
| 97 | | | 98 | | 50,852 | | | |
| 240 | | 31,537 | 231 | | 31,529 | | | |
| - | | 1.0.1.2 | | | 35,314 | | | |
| 1,010 | for the same with the same | | | | | | | |
| 26,229 | DOCUMENTS OF THE PARTY OF THE P | | | | | | | |
| | Nicholas County Board of Education | | | | | | | |
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| | | | ig company, ce | | PRODUCTION OF THE PARTY OF THE | | | |
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| | Number | | | | 4,549 | | | |
| | | residence: | | | 4,523 | | | |
| 0.500.00 | | | | | 3,775 | | | |
| 7/2000 0000 | A STATE OF THE STA | | | and the same and | 748 | | | |
| 43.3 | | | | | 26 | | | |
| 05.005 | | The result of the part back and | | 100 | 20 | | | |
| 200000000000000000000000000000000000000 | | my Survey 5- Year Es | umates | THE REST OF STATE | N | | | |
| | and the second s | ma (000) | 2011 | | \$816,63 | | | |
| | | | | | | | | |
| | | | 2011 | | \$31,08 | | | |
| | | | | | Numbe | | | |
| 7.2577.35 | The second of th | | | | 1,08 | | | |
| 236 | | | | | 96 | | | |
| - V | The state of the S | | | | 1,52 | | | |
| | | | | | 1,25 | | | |
| | | ·- | | | 1,81 | | | |
| | \$50,000 to \$74,999 | 9 | | | 1,73 | | | |
| | | * 16 × V | 95 | | | | | |
| | | 000 | | 74 | | | | |
| | \$150,000 or more | | 16 | | | | | |
| | Median Household | Income (2011) | | \$36,080 | | | | |
| | 195 1,478 144 45 168 394 1,090 808 232 1,856 97 240 1,519 28,229 28,548 28,775 28,126 22,552 12,914 13,319 1,683 1,294 2,825 3,992 3,986 4,077 4,477 43.3 25,805 43 53 | 195 8,224,075 1,478 35,264,779 144 5,120,673 45 2,352,888 168 4,940,048 394 20,325,371 1,090 26,938,967 806 10,941,623 232 6,901,989 1,856 67,693,065 97 4,471,012 240 7,568,831 1,519 55,656,222 Top 10 Employers 28,229 March 2012 26,548 1 28,775 2 28,126 3 22,552 4 13,319 7 4,519 8 1,663 9 1,294 10 2,825 3,996 4,077 Worked in state of Worked outside state of Worked outside state of Worked outside state of Worked outside state of Household Income 10 Less than \$10,000 236 \$10,000 to \$14,99 \$15,000 to \$44,99 \$55,000 to \$49,99 \$55,000 to \$49,99 \$550,000 to \$74,99 \$75,000 to \$99,99 \$100,000 to \$149,99 \$550,000 to \$74,99 \$75,000 to \$99,99 \$100,000 to \$149,99 \$150,000 or more | 195 8,224,075 42,175 1,478 35,264,779 23,860 144 5,120,673 35,560 45 2,352,888 52,286 168 4,940,048 29,405 394 20,325,371 51,587 1,090 26,938,967 24,715 806 10,941,623 13,575 232 6,901,989 29,750 1,856 67,698,065 36,474 97 4,471,012 46,093 240 7,568,831 31,537 1,519 55,656,222 36,640 Top 10 Employers 28,229 March 2012 26,548 1 Nicholas County 28,126 3 Summersville Re 22,552 4 Wal-Mart Stores 12,914 6 Columbia West V 13,319 7 Lowe's Home Ce 4,519 8 Nicholas County 1,294 10 Brooks Run Minit 2,825 Worker Commuting Patterns 3,392 3,986 Number Worked outside state of residence Worked outside state of residence | 195 8,224,075 42,175 185 1,478 35,284,779 23,860 1,454 144 5,120,673 35,560 145 45 2,352,888 52,286 46 168 4,940,048 29,405 221 394 20,325,371 51,587 398 1,090 26,938,967 24,715 1,036 806 10,941,623 13,575 808 232 6,901,989 29,750 204 1,856 67,698,065 36,474 1,867 97 4,471,012 46,093 93 240 7,568,831 31,537 231 1,519 55,656,222 36,640 1,537 Top 10 Employers 26,229 March 2012 26,548 1 Nicholas County Board of Education 20,775 2 Alex Energy, Inc. (Intrepld Mining 28,126 3 Summersville Regional Medical C 22,552 4 Wal-Mart Stores, Inc. 5 Seneca Health Services, Inc. 5 Seneca Health Services, Inc. 12,914 6 Columbia West Virginia, Inc. 12,914 6 Columbia West Virginia, Inc. 12,914 6 Columbia County Nursing and Reh 1,683 9 Nicholas County Nursing and Reh 1,683 9 Nicholas County Community Action 1,294 10 Brooks Run Mining Company, LLC Worker Commuting Patterns 3,392 7otal 4,077 Worked in state of residence 9,835 Worked outside state of residence 19,4 2010 American Community Survey 5-Year Estimates 10,029 Worked outside state of residence 19,4 2010 American Community Survey 5-Year Estimates 10,000 1510,000 to \$14,999 \$350,000 to \$74,999 \$75,000 to \$349,999 \$350,000 to \$74,999 \$75,000 to \$949,999 \$350,000 to \$74,999 \$75,000 to \$949,999 | 195 | | | |



| County: | | | | | | N | licholas | | | | | | |
|---|--------------|--------|--------|--------|--------|--------|----------|--------|--------|--------|--------|--------|--------|
| County Seat: | Summersville | | | | | | | | | | | | |
| Labor Force Statistics | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
| Civilian Labor Force | 11,070 | 10,790 | 10,690 | 10,460 | 10,380 | 10,550 | 10,760 | 10,760 | 10,540 | 10,600 | 10,690 | 10,700 | 10,600 |
| Total Employment | 10,320 | 10,160 | 9,920 | 9,700 | 9,830 | 10,000 | 10,230 | 10,260 | 10,070 | 9,690 | 9,650 | 9,740 | 9,640 |
| Total Unemployment | 750 | 630 | 770 | 760 | 550 | 560 | 530 | 500 | 470 | 910 | 1,040 | 950 | 970 |
| Unemployment Rate | 6.8 | 5.9 | 7.2 | 7.2 | 5.3 | 5.3 | 4.9 | 4.6 | 4.5 | 8.6 | 9.7 | 8.9 | 9. |
| Total Nonfarm Payroll Employment by Industry | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
| Total Nonfarm Payroll Employment | 9,050 | 9,090 | 8,930 | 8,800 | 9,010 | 9,110 | 9,240 | 9,380 | 9,300 | 9,050 | 9,120 | 9,280 | 9,130 |
| Total Private | 7,140 | 7,160 | 6,940 | 6,850 | 7,090 | 7,190 | 7,260 | 7,440 | 7,470 | 7,200 | 7,240 | 7,360 | 7,220 |
| Goods Producing | 2,100 | 2,100 | 1,930 | 1,850 | 1,970 | 2,060 | 2,090 | 2,160 | 2,220 | 2,090 | 2,190 | 2,260 | 2,050 |
| Mining and Logging | 660 | 720 | 700 | 630 | 680 | 710 | 770 | 930 | 1,070 | 1,090 | ** | ** | |
| Construction | 410 | 340 | 280 | 260 | 290 | 320 | 330 | 280 | 250 | 220 | ** | ** | |
| Manufacturing | 1,040 | 1,030 | 960 | 960 | 1,000 | 1,030 | 990 | 950 | 900 | 790 | ** | ** | *: |
| Service Providing | 6,950 | 6,990 | 7,000 | 6,940 | 7,040 | 7,050 | 7,160 | 7,220 | 7,080 | 6,970 | 6,940 | 7,020 | 7,080 |
| Private Service Providing | 5,040 | 5,070 | 5,010 | 5,000 | 5,120 | 5,130 | 5,180 | 5,280 | 5,250 | 5,110 | 5,050 | 5,100 | 5,160 |
| Trade, Transportation and Util | 2,170 | 2,090 | 2,020 | 1,970 | 1,980 | 1,980 | 1,940 | 1,940 | 1,880 | 1,840 | 1,800 | 1,810 | 1,850 |
| Wholesale Trade | 150 | 140 | 130 | 140 | 150 | 170 | 190 | 190 | 200 | 200 | 24 | ** | |
| Retall Trade | 1,520 | 1,510 | 1,460 | 1,440 | 1,490 | 1,490 | 1,450 | 1,470 | 1,450 | 1,420 | 1,450 | 1,450 | 1,490 |
| Transport, Warehousing & Util | 500 | 440 | 430 | 390 | 330 | 320 | 310 | 280 | 240 | 220 | - 11 | ** | |
| Information | 60 | 60 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 40 | 21 | ** | |
| Financial Activities | 200 | 200 | 210 | 290 | 390 | 390 | 390 | 420 | 360 | 280 | ••• | ٠, | |
| Profess and Business Serv | 400 | 420 | 410 | 370 | 350 | 340 | 360 | 380 | 400 | 410 | ** | ** | |
| Education and Health Serv | 710 | 740 | 750 | 750 | 780 | 790 | 820 | 860 | 930 | 930 | •• | ** | , |
| Lelsure and Hospitality | 770 | 800 | 800 | 790 | 810 | 800 | 810 | 780 | 780 | 790 | ** | ** | |
| Other Services | 720 | 760 | 770 | 780 | 770 | 780 | 820 | 850 | 850 | 840 | •• | ** | |
| Total Government | 1,910 | 1,920 | 1,990 | 1,950 | 1,930 | 1,920 | 1,980 | 1,950 | 1,840 | 1,850 | 1,880 | 1,920 | 1,92 |
| Federal | 130 | 120 | 120 | 130 | 120 | 120 | 110 | 110 | 110 | 110 | 120 | 100 | 10 |
| State | 220 | 220 | 240 | 230 | 210 | 200 | 200 | 200 | 190 | 180 | 190 | 230 | 24 |
| Local | 1,560 | 1,580 | 1,630 | 1,590 | 1,600 | 1,610 | 1,670 | 1,640 | 1,540 | 1,570 | 1,580 | 1,590 | 1,59 |



WorkForce West Virginia: Research, Information and Analysis

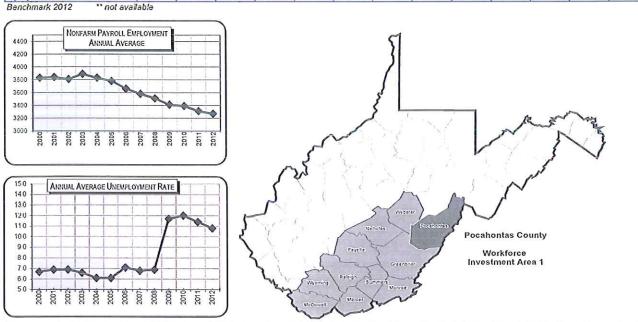
June 2013



| imployment and Wages | OF GREEK | 2012 | | | 2011 | |
|--|---------------------|--|----------------------|-------------------|----------------------|--------------------|
| Annual Averages | Emp. | Total Wages | Avg Annual Wage | Emp | Total Wages | Avg Annual Wage |
| Total, All Industries | 3,063 | \$84,149,191 | \$27,473 | 3,071 | \$83,205,489 | \$27,094 |
| Total, Private Sector | 2,216 | 57,968,965 | 26,159 | 2,236 | 58,228,081 | 26,041 |
| Natural Resources and Mining | 66 | 1,428,189 | 21,639 | 71 | 1,576,869 | 22,209 |
| Construction | 64 | 1,505,324 | 23,521 | 72 | 1,908,949 | 26,513 |
| Manufacturing | 251 | 7,615,441 | 30,340 | 260 | 7,413,748 | 28,514 |
| Trade, Transportation, and Utilities | 424 | 10,589,504 | 24,975 | 429 | 10,672,597 | 24,878 |
| 44-45 Retail trade | 305 | 6,403,084 | 20,994 | 307 | 6,391,553 | 20,819 |
| 48-49 Transportation and warehousing* | 94 | 3,142,114 | 33,427 | 97 | 3,208,564 | 33,078 |
| Information | 39 | 1,612,758 | 41,353 | 36 | 1,442,235 | 40,062 |
| Financial Activities | 73 | 1,725,825 | 23,641 | 78 | 1,722,998 | 22,090 |
| Professional and Business Services | 180 | 8,124,814 | 45,138 | 168 | 8,524,451 | 50,741 |
| Education and Health Services | 280 | 6,816,057 | 24,343 | 285 | 6,518,995 | 22,874 |
| Leisure and Hospitality | 757 | 16,712,303 | 22,077 | 759 | 16,763,169 | 22,086 |
| Other Services | 81 | 1,819,695 | 22,465 | 78 | 1,684,070 | 21,591 |
| Government | 847 | 26,180,226 | 30,909 | 836 | 24,977,408 | 29,877 |
| Federal Government | 57 | 2,586,829 | 45,383 | 61 | 2,800,193 | 45,905 |
| State Government | 286 | 7,931,304 | 27,732 | 275 | 7,582,702 | 27,573 |
| Local Government | 505 | 15,662,093 | 31,014 | 499 | 14,594,513 | 29,248 |
| (1830-20-0) (1800-20-0) (1800-00-00-00-00-00-00-00-00-00-00-00-00- | | | | | | |
| emographics (2010 Census) | | Top 10 Employers | | | | |
| Total Population 2012 | 8,692 | March 2012 | | | | |
| Total Population 2000 | 9,110 | 1 | Snowshoe Moun | ntain, Inc. | | |
| Total Population 1990 | 9,008 | Pocahontas County Board of Education | | | | |
| Total Population 1980 | 9,919 | 9 Pocahontas Memorial Hospital | | | | |
| Total Population 1970 | 8,870 | Associated Universities (National Radio Astronomy Observatory | | | | |
| Sex and Age | | 5 Inter-State Hardwoods Company, Inc. | | | | |
| Male | 4,473 | West Virginia Division of Natural Resources | | | | |
| Female | 4,246 | | | | | |
| Ages 14 and below | 1,274 | 8 | West Virginia De | epartment of Corr | ections, Denmar Faci | lity |
| Ages 15 to 19 | 430 | 9 | Beckwith Lumbe | er Company, Inc. | | |
| Ages 20 to 24 | 409 | 10 | | inty Commission | | |
| Ages 25 to 34 | 954 | Worker Commuting | Patterns | | | |
| Ages 35 to 44 | 1,015 | | | Total | Male | Female |
| Ages 45 to 54 | 1,478 | Number | | 3,528 | 2,086 | 1,442 |
| Ages 55 to 64 | 1,475 | Worked in state of | residence: | 3,399 | 1,966 | 1,433 |
| Ages 65 and older | 1,684 | Worked in county of | of residence | 2,951 | 1,654 | 1,297 |
| Median Age | 47.1 | Worked outside coun | ty of residence | 448 | 312 | 136 |
| Race | | Worked outside sta | ate of residence | 129 | 120 | 9 |
| White | 8,528 | 2010 American Commu | nity Survey 5-Year E | stimates | | |
| Black or African American | 60 | Income | | | | |
| American Indian and Alaska Native | 19 | Total Personal Inco | ome (000) | 2011 | | \$267,50 |
| Asian | 4 | Percapita Persona | Income | 2011 | | \$30,4 |
| Native Hawaiian and Other Pacific | 1 | Household Income* | | | | Numb |
| Some other race | 19 | Less than \$10,000 | | | | 33 |
| Two or more races | 88 | | | | 26 | |
| inks | Park Inches | \$15,000 to \$24,999 | 9 | | | 6 |
| abor Market Information | | \$25,000 to \$34,99 | | | | 70 |
| ttp://www.workforcewv.org/lmi/newsrelease.html | \$35,000 to \$49,99 | B) | 5 | | | |
| ttp://www.workforcewv.org/lmi/lateemp.html | | \$50,000 to \$74,99 | | | | 5 |
| Occupational Projections and Demand Occupations | | \$75,000 to \$99,99 | | | | 2 |
| http://www.workforcewv.org/imi/occproj/LongTermProjMenu.html | | Market Commission Comm | | 11 | | |
| Occupational Wages | | \$100,000 to \$149,000 \$150,000 or more | | | | i |
| POST AND ADDRESS OF THE PARTY O | | | | | | |
| http://www.workforcewv.org/lmi/owqtr/WIA_menu.htm | Median Household | income (2011) | \$34,92 | | | |



| County: | | | | | | Po | cahonta | S | | | | | |
|---|-------|-------|-------|-------|-------|-------|-----------|-------|-------|-------|-------|-------|-------|
| County Seat: | | | | | | N | larlinton | | | | | | |
| Labor Force Statistics | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
| Civilian Labor Force | 4,040 | 3,970 | 3,980 | 4,040 | 3,860 | 3,800 | 3,850 | 3,730 | 3,560 | 3,570 | 3,570 | 3,450 | 3,410 |
| Total Employment | 3,770 | 3,690 | 3,700 | 3,770 | 3,620 | 3,570 | 3,570 | 3,480 | 3,320 | 3,150 | 3,140 | 3,060 | 3,040 |
| Total Unemployment | 270 | 270 | 270 | 270 | 240 | 230 | 270 | 250 | 250 | 420 | 430 | 400 | 370 |
| Unemployment Rate | 6.7 | 6.9 | 6.9 | 6.6 | 6.1 | 6.1 | 7.1 | 6.8 | 6.9 | 11.7 | 12.0 | 11.4 | 10.8 |
| Total Nonfarm Payroll Employment by Industry | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
| Total Nonfarm Payroll Employment | 3,830 | 3,840 | 3,810 | 3,890 | 3,830 | 3,780 | 3,660 | 3,580 | 3,510 | 3,410 | 3,390 | 3,310 | 3,270 |
| Total Private | 2,980 | 3,000 | 2,950 | 3,030 | 2,970 | 2,890 | 2,770 | 2,700 | 2,660 | 2,530 | 2,510 | 2,420 | 2,370 |
| Goods Producing | 680 | 660 | 590 | 590 | 590 | 570 | 560 | 550 | 510 | 430 | ** | ** | |
| Mining and Logging | 90 | 100 | 80 | 80 | 70 | 70 | 70 | 70 | 70 | 70 | ••• | •• | |
| Construction | 160 | 130 | 110 | 130 | 120 | 130 | 140 | 140 | 110 | 80 | 70 | 70 | 60 |
| Manufacturing | 430 | 430 | 400 | 390 | 390 | 370 | 360 | 340 | 330 | 290 | ** | ** | |
| Service Providing | 3,160 | 3,180 | 3,220 | 3,300 | 3,240 | 3,200 | 3,100 | 3,030 | 3,000 | 2,980 | | ** | • |
| Private Service Providing | 2,300 | 2,340 | 2,370 | 2,440 | 2,380 | 2,320 | 2,200 | 2,150 | 2,150 | 2,100 | •• | ** | |
| Trade, Transportation and Util | 400 | 420 | 440 | 440 | 430 | 400 | 400 | 440 | 470 | 450 | 440 | 430 | 430 |
| Wholesale Trade | 40 | 30 | 30 | 20 | 30 | 20 | 20 | #1 | | ** | ** | ** | |
| Retall Trade | 290 | 310 | 340 | 340 | 340 | 310 | 320 | 330 | 320 | 320 | 320 | 310 | 310 |
| Transport, Warehousing & Util | 80 | 80 | 80 | 70 | 70 | 60 | 60 | 90 | 130 | 110 | ** | ** | • |
| Information | 30 | 40 | 30 | 40 | 40 | 40 | 40 | 40 | 40 | 30 | 30 | 40 | 4 |
| Financial Activities | 110 | 110 | 90 | 100 | 100 | 120 | 110 | 100 | 90 | 90 | •• | ** | |
| Profess and Business Serv | 250 | 240 | 260 | 290 | 300 | 300 | 290 | 220 | 180 | 180 | ** | ** | • |
| Education and Health Serv | 220 | 230 | 240 | 270 | 220 | 190 | 180 | 220 | 260 | 290 | | ** | , |
| Leisure and Hospitality | 1,010 | 1,030 | 1,010 | 1,010 | 970 | 970 | 910 | 860 | 840 | 780 | •• | ** | |
| Other Services | 270 | 280 | 300 | 310 | 320 | 300 | 290 | 280 | 270 | 280 | 4.6 | ** | • |
| Total Government | 860 | 840 | 860 | 860 | 860 | 890 | 890 | 880 | 850 | 880 | 880 | 890 | 89 |
| Federal | 90 | 80 | 80 | 70 | 70 | 70 | 70 | 60 | 70 | 60 | 70 | 60 | 6 |
| State | 250 | 260 | 260 | 270 | 260 | 270 | 270 | 270 | 270 | 270 | 270 | 280 | 28 |
| Local | 520 | 510 | 530 | 520 | 530 | 550 | 560 | 550 | 520 | 540 | 540 | 550 | 55 |



WorkForce West Virginia: Research, Information and Analysis

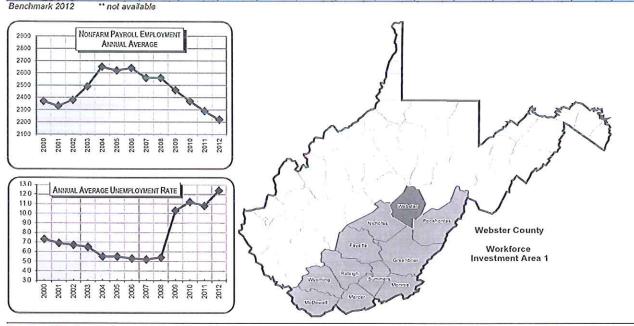
June 2013



| imployment and Wages | | 2012 | | 2011 | | | |
|--|--|--|--|-----------------|-----------------------------|---|--|
| Annual Averages | | | Avg Annual | | | Avg Annual | |
| Total All ladustics | Emp. | Total Wages | Wage | Emp | Total Wages \$82,974,815 | Wage \$39,682 | |
| Total, All Industries | 2,025 | \$73,741,832 | \$36,416 | 2,091 | | 55 555 | |
| Total, Private Sector | 1,422 | 52,923,755 | 37,218 | 1,486 | 62,570,008 | 42,106 | |
| Natural Resources and Mining | 378 | 25,057,926 | 66,291 | 426 | 33,714,052 | 79,141 | |
| Construction | 24 | 747,279 | 31,137 | 41 | 1,361,290 | 33,202 | |
| Manufacturing | 169 | 4,488,035 | 26,556 | 127 405 | 3,402,710 13,417,110 | 26,793 33,129 | |
| Trade, Transportation, and Utilities | 373 | 12,114,118 | 32,478 | 168 | | 20,310 | |
| 44-45 Retail trade | 164 | 3,398,406 | 20,722 | 173 | 3,412,055 6,100,868 | 35,265 | |
| 48-49 Transportation and warehousing | 145 | 4,656,606 | 32,115 | | 818,890 | 34,120 | |
| Information | 15 | 550,216 | 36,681 54,820 | 24 | 1,601,423 | 55,22 | |
| Financial Activities Professional and Business Services | 31 | 1,699,423 | | 41 | | 36,757 | |
| Education and Health Services | 33 279 | 773,682 | 23,445 | 268 | 1,507,055 5,021,036 | 18,735 | |
| Control and at the control and | 0.42.1411 | 5,772,845 | 20,691 | | | | |
| Leisure and Hospitality | 84 | 798,321 | 9,504 | 96 | 889,231 | 9,263 | |
| Other Services | 36 | 921,910 | 25,609 | 29 | 837,211 | 33,72 | |
| Government Federal Government | 603 | 20,818,077 541.063 | 34,524 45,089 | 605 | 20,404,807 565,747 | 40,41 | |
| State Government | 12 90 | 1000 mil • 3000 mil | | 90 | | 31,28 | |
| | 501 | 2,955,420 | 32,838 | 502 | 2,815,652 | 33,91 | |
| Local Government | 501 | 17,321,594 | 34,574 | 502 | 17,023,408 | 33,81 | |
| Jemographics (2010 Census) | 120-120-120-120-120-120-120-120-120-120- | Top 10 Employers | 1 11 | | | | |
| Total Population 2012 | 9,043 | March 2012 | | | | No. of Concession, Name of Street, or other Designation, or other | |
| Total Population 2000 | 9,688 | | | | | | |
| Total Population 1990 | 10,729 | · | | | | | |
| | 12,246 | | | | | | |
| Total Population 1980 Total Population 1970 | 9,809 | | | | | | |
| | 3,003 | | | | | | |
| Sex and Age Male | 4,531 | | | | | | |
| Female | 4,623 | 7 | AMFM of Webste | | no. | | |
| Ages 14 and below | 1,556 | 8 | Seneca Health S | 7 | | | |
| Ages 15 to 19 | 612 | 9 | Jim C Hamer Co | | | | |
| Ages 20 to 24 | 427 | 10 | Haney Brothers | | vy Inc | | |
| Ages 25 to 34 | 922 | Worker Commuting | The second secon | rideking Compar | ry, mc. | CONTRACTOR OF THE PARTY OF | |
| Ages 35 to 44 | 1,187 | | | Total | Male | Female | |
| Ages 45 to 54 | 1,402 | Number | | 3,228 | 1,782 | 1,446 | |
| Ages 55 to 64 | 1,444 | Worked in state of | residence: | 3,203 | 1,757 | 1,446 | |
| Ages 65 and older | 1,604 | Worked in county of | | 1,997 | 939 | 1,058 | |
| Median Age | 44.1 | Worked outside count | | 1,206 | 818 | 388 | |
| Race | 11.1 | Worked outside sta | | 25 | 25 | 0 | |
| White | 9.027 | 2010 American Commun | 20 CO | | 20 | | |
| Black or African American | | Income | Any Courtey C February | | | | |
| American Indian and Alaska Native | 6 | Total Personal Inco | ome (000) | 2011 | | \$227,6 | |
| Asian | 5 | Percapita Persona | | 2011 | | \$24,8 | |
| Native Hawaiian and Other Pacific | 1 | Household Income* | | 2011 | | Numb | |
| Some other race | 6 | Less than \$10,000 | | | | 6 | |
| Two or more races | 95 | \$10,000 to \$14,999 | | | | 4 | |
| Links | #3 | \$15,000 to \$24,999 | | | | 8 | |
| Labor Market Information | NAME OF STREET | \$15,000 to \$24,999 \$25,000 to \$34,999 | | | | 4 | |
| | | \$35,000 to \$49,999 | | | | 6 | |
| http://www.workforcewv.org/lmi/newsrelease.html http://www.workforcewv.org/lmi/lateemp.html | | V-000000000000000000000000000000000000 | | | | 7 | |
| *** | | \$50,000 to \$74,999 | | | | 3 | |
| Occupational Projections and Demand Occupations | | \$75,000 to \$99,999 | CONTRACTOR OF THE PROPERTY OF | | | 3 | |
| http://www.workforcewv.org/lml/occproj/LongTermProjMenu.html | | \$100,000 to \$149,0 | 000 | | | | |
| Occupational Wages | | \$150,000 or more | | | | | |
| http://www.workforcewv.org/lmi/owqtr/WIA_menu.htm | | Median Household | Income (2011) | | | \$28,6 | |



| County: | | | 104 | REAM | | | Vebster | SA SER | | | | No. | |
|---|-------|-----------------|-------|-------|-------|-------|---------|--------|-------|-------|-------|-------|-------|
| County Seat: | | Webster Springs | | | | | | | | | | | |
| Labor Force Statistics | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
| Civilian Labor Force | 3,260 | 3,150 | 3,260 | 3,360 | 3,370 | 3,340 | 3,460 | 3,360 | 3,260 | 3,230 | 3,180 | 3,080 | 3,090 |
| Total Employment | 3,020 | 2,930 | 3,040 | 3,140 | 3,180 | 3,150 | 3,270 | 3,180 | 3,080 | 2,890 | 2,830 | 2,750 | 2,70 |
| Total Unemployment | 240 | 220 | 220 | 220 | 190 | 190 | 180 | 180 | 180 | 330 | 360 | 330 | 38 |
| Unemployment Rate | 7.3 | 6.9 | 6.7 | 6.5 | 5.5 | 5.5 | 5.3 | 5.2 | 5.4 | 10.3 | 11.2 | 10.8 | 12. |
| Total Nonfarm Payroll Employment by Industry | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
| otal Nonfarm Payroll Employment | 2,370 | 2,330 | 2,380 | 2,490 | 2,650 | 2,620 | 2,640 | 2,560 | 2,560 | 2,460 | 2,370 | 2,290 | 2,22 |
| otal Private | 1,670 | 1,640 | 1,670 | 1,780 | 1,940 | 1,930 | 1,960 | 1,910 | 1,960 | 1,830 | 1,730 | 1,630 | 1,55 |
| Goods Producing | 710 | 670 | 670 | 680 | 780 | 800 | 820 | 770 | 730 | 670 | | ••• | |
| Mining and Logging | 380 | 360 | 420 | 430 | 510 | 530 | 570 | 540 | 530 | 500 | •• | ** | - 1 |
| Construction | 80 | 60 | 30 | 40 | 50 | 50 | 50 | 60 | 50 | 50 | 30 | 40 | - 2 |
| Manufacturing | 250 | 250 | 220 | 220 | 220 | 220 | 190 | 170 | 160 | 120 | ** | ** | |
| Service Providing | 1,660 | 1,670 | 1,710 | 1,810 | 1,870 | 1,830 | 1,820 | 1,790 | 1,830 | 1,800 | ** | ** | |
| Private Service Providing | 960 | 970 | 1,000 | 1,100 | 1,150 | 1,130 | 1,140 | 1,140 | 1,230 | 1,160 | ., | ** | |
| Trade, Transportation and Util | 340 | 350 | 350 | 380 | 410 | 450 | 460 | 460 | 490 | 450 | 430 | 420 | 38 |
| Wholesale Trade | ** | ** | 2.0 | | ** | ** | #1 | | 1,2 | ** | ** | :** | |
| Retall Trade | 210 | 190 | 190 | 200 | 210 | 230 | 230 | 210 | 200 | 190 | 190 | 170 | 1 |
| Transport, Warehousing & Util | 80 | 100 | 110 | 130 | 150 | 180 | 180 | 190 | 230 | 210 | ••• | ** | |
| Information | 20 | 30 | 30 | 80 | 100 | 80 | 90 | 60 | 80 | 60 | 60 | 20 | |
| Financial Activities | 50 | 50 | 50 | 40 | 50 | 50 | 50 | 50 | 50 | 30 | •• | ** | |
| Profess and Business Serv | 40 | 40 | 40 | 50 | 50 | 30 | 30 | 40 | 40 | 40 | 30 | 30 | |
| Education and Health Serv | 260 | 260 | 270 | 290 | 290 | 260 | 250 | 260 | 310 | 300 | •• | ** | |
| Lelsure and Hospitality | 80 | 80 | 80 | 90 | 90 | 90 | 90 | 90 | 100 | 110 | ** | ** | |
| Other Services | 160 | 180 | 180 | 180 | 180 | 170 | 170 | 180 | 170 | 170 | •• | ** | |
| Total Government | 700 | 690 | 710 | 710 | 710 | 700 | 680 | 650 | 600 | 630 | 650 | 660 | 6 |
| Federal | 30 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 10 | |
| State | 90 | 90 | 90 | 90 | 90 | 90 | 80 | 80 | 80 | 90 | 90 | 90 | 3 |
| Local | 590 | 590 | 600 | 610 | 610 | 590 | 580 | 550 | 500 | 530 | 540 | 550 | 5 |



WorkForce West Virginia: Research, Information and Analysis

June 2013

ey Assessment Findings Survey Initiatives

Region 4 Planning and Development Council executed two strategies in an effort to gather data needed to develop effective and comprehensive regional strategic broadband initiatives and adoption plans that will later take advantage of federal, state and other grant opportunities. An online survey and single stage cluster sample random mailing were the strategies pursued and executed. Separate, yet complimentary, initiatives included in Region 4's planning are a broadband field testing study deployed by engineering firm L.R. Kimball, as well as the State of West Virginia's Broadband Mapping Program survey and speed testing site results. Each strategy is detailed below.

Online Broadband Survey

At the first meeting of the Region 4 Regional Broadband Planning Team, held September, 26, 2012, it was decided that an online broadband survey be created to tackle the task of collecting the data necessary to develop the strategic plan. An unofficial subcommittee was formed to manage the task of creating and implementing the survey.

Several discussions were held by the subcommittee before the online survey was finalized and made available to the public. The group followed the outline of the residential and business surveys provided in the Regional Broadband Planning Teams Toolkit as a guide to create the backbone of the survey, but crafted the survey to be a combined residential/business survey that would also allow respondents opportunities to provide additional information focused on home based enterprise and use of broadband service.

The survey was advertised using several strategies including publication in each newspaper of Region 4, supplying of an advertisement to each member of the planning team for community distribution, supplying of an advertisement to every library within Region 4 for display, display of the survey link on the Region 4 website, as well as advertisement on the Webster County Board of Education's Edline for a short period of time.

As detailed below, 50.5% of the survey respondents were from Pocahontas County, an area of the Region that has long lagged behind in the development of high-speed Internet access much due to the location of the Green Bank National Radio Astronomy Observatory. The area surrounding the observatory is designated as a National Radio Quiet Zone in order to minimize harmful interference to the observatory.

| Answer Options | Response Percent | Response Count | |
|-------------------|-------------------|----------------|-----|
| Fayette | 17.2% | 40 | |
| Greenbrier | 8.6% | 20 | |
| Nicholas | 15.5% | 36 | |
| Pocahontas | 50.6% | 118 | |
| Webster | 8.2% | 19 | |
| Other (please sp | pecify) | 5 | |
| | answered question | | 233 |
| | skipped question | | 29 |

While 92.8% of respondents stated that they do have Internet access in their home, the majority were very dissatisfied with several elements of their service. This indication shows a need for the availability of more reliable and competitive service.

| Do you have Internet access | at home? | |
|-----------------------------|---------------------|----------------|
| Answer Options | Response Percent | Response Count |
| Yes | 92.8% | 180 |
| No | 7.2% | 14 |
| | answered question | 194 |
| | skipped question | 68 |

| Answer Options | Very Dissatisfied | Dissatisfied | Satisfied | Very Satisfied | Not a Consideration | Response Count |
|------------------------|----------------------|--------------|-----------|-------------------|------------------------|-------------------|
| Connection Speed | 66 | 35 | 35 | 15 | 0 | 151 |
| Cost | 33 | 46 | 47 | 15 | 6 | 147 |
| Ease of Use | 23 | 23 | 81 | 20 | 2 | 149 |
| Reliability of Access | 52 | 40 | 44 | 13 | 0 | 149 |
| Availability of Access | 46 | 39 | 48 | 17 | 0 | 150 |
| Customer Service | 40 | 35 | 47 | 18 | 7 | 147 |
| Number of Providers | 79 | 29 | 18 | 4 | 14 | 144 |
| | | | | answered | question | 151 |
| | | | | skipped | question | 111 |

The 69.2% of respondents who indicated that they do not have Internet access in their home contributed the lack of access to the unavailability of high speed Internet access.

| Please check all the reasons why you DO home. (Check all that apply) | NOT have Internet | service in your |
|--|---------------------|-----------------|
| Answer Options | Response Percent | Response Count |
| High-speed Internet is not available | 69.2% | 9 |

| Cost | 23.1% | 3 |
|--|-------------------|-----|
| Sufficient access elsewhere | 7.7% | 1 |
| Nothing on the Internet I need | 0.0% | 0 |
| I plan to establish service within the next year | 0.0% | 0 |
| No time to learn to use the Internet | 0.0% | 0 |
| Don't know how to set it up | 0.0% | 0 |
| Problems with cable access | 0.0% | 0 |
| Problems with DSL access | 15.4% | 2 |
| Child safety and content | 7.7% | 1 |
| Privacy/security concerns | 0.0% | 0 |
| Other (please specify) | | 2 |
| | answered question | 13 |
| | skipped question | 249 |

Respondents ranged in age from 18 to 75 or older with 32.4 being between the ages of 55 to 64 and 51.9% being male.

Of businesses responding to the survey, 71.6% stated that they have access to or use an Internet capable device at their place of work.

| or Internet capable TV or DVD pl access at your place of business | ayer that you use via a data pl | an or the Internet |
|--|---------------------------------|--------------------|
| Answer Options | Response Percent | Response Count |
| Yes | 71.6% | 126 |
| No | 28.4% | 50 |
| | answered question | 176 |
| | skipped question | 86 |

Contrasted to the data found within the residential portion of the survey, many business owners expressed satisfaction with their service, but a large portion of business respondents still expressed dissatisfaction. Again, when asked about the availability of multiple, competing broadband providers considered when purchasing service, 56.2% of respondents stated that they had the choice of service from only one provider.

| Please rate the following aspects of your service: | | | | | | |
|--|----------------------|--------------|-----------|-------------------|---------------------------------|-------------------|
| Answer Options | Very Dissatisfied | Dissatisfied | Satisfied | Very Satisfied | Don't Know/Not Applicable | Response Count |
| Cost of Internet | 20 | 17 | 30 | 6 | 10 | 83 |
| Speed of connection | 35 | 16 | 18 | 10 | 3 | 82 |
| Billing practices | 18 | 12 | 37 | 6 | 9 | 82 |
| Technical support | 20 | 8 | 33 | 7 | 14 | 82 |
| Customer support | 19 | 13 | 29 | 10 | 11 | 82 |
| Installation tech's ability and courtesy | 15 | 4 | 34 | 14 | 14 | 81 |
| answered question | | | | | | 83 |
| skipped question | | | | | | 179 |

When asked if it would be beneficial to the respondent to enhance the broadband environment in their area 96.7% said yes.

See Appendix A for more of the online broadband survey's highlights and mapping results.

Single Stage Cluster Sample Random Mailing

In order to determine the availability, use, and need for broadband Internet use in Region 4, a quantitative survey research methodology was utilized. Region 4, in coordination with Region 1, worked with Concord University's Danette Light, Ph.D., Professor Sociology also previous Associate of and Director of Assessment, to formulate the methodology used for the statistically random mailing of the survey. West Virginia State Addressing and Mapping Board (SAMB) address points for residential and business structures were used to create an address bank for the survey in a Microsoft Excel format. The decision to use SAMB points was based on the data's assignment of unique identification numbers to each address that allows for geological referencing, ultimately enabling the mapping the location of each response.

The project target population included the five counties of Region 4, composed of 106 Census Block Groups (CBGs) and 104,466 SAMB structures. The sampling frame was identical to the target population. A single stage cluster sample design was employed. CBGs were considered the primary sampling units, or clusters. SAMB structures in each of the 106 CBGs were listed sequentially and a random sample from each was used to compose the total sample.

Sample size was determined assuming a low response rate of approximately 8%. Accordingly, Region 4 administered the survey to 50 randomly selected residences and businesses in each of the 106 CBGs, however Census Tract 960200 Block Group 4 in * County only had a total of 41 addresses within the tract, for a total of 5,291 mailed surveys.

| County | # of CBGs | # of SAMBs | Sample size |
|------------|-----------|------------|-------------|
| Fayette | 39 | 35,037 | 1,950 |
| Greenbrier | 31 | 34,472 | 1,550 |
| Nicholas | 21 | 16,156 | 1,050 |
| Pocahontas | 9 | 14,336 | 450 |
| Webster | 7 | 4,465 | 350 |
| TOTAL | 106 | 104,466 | 5,291 |

Scantron was procured to execute the mailing and organize the data received. Of the 5,291 surveys mailed, approximately 4,361 were returned undeliverable, leaving only 930 reaching their designated locations. Failure of the address system used is believed to be due to the updating of addresses to the 911 addressing system in Region 4, which may

have caused the two addressing systems not to link up. However, the statistician still stated that the survey constitute a viable random survey.

Responses to the Broadband/High Speed Internet Survey in Region 4 were obtained from 44 addressable structures including 15 businesses and 29 residences. Respondents ranged in age from 33 to 77 years, with an average age of 53. Thirty-two percent of the respondents were male, while 68% were female.

Ninety percent of respondents indicated Internet access at their location. The service providers most frequently cited were Hughes net (41%) and Ntelos (18%). The types of connections included Cable (18%), DSL (36%), Satellite (21%), Cellular/Air card (9%), Dial-up (11%), and other (5%). When asked why they choose this connection type, 27% cited speed, 23% cited cost, 16% cited reliability, and the 46% responded that this was the only service available. The following table illustrates respondents' satisfaction with their current Internet service. Due to missing responses, the percentages do not add up to 100%.

Table One. Satisfaction with current Internet service n=44

| SERVICE ISSUE | Very Satisfied | Satisfied | Dissatisfied | Very Dissatisfied | Don't Know/NA |
|------------------------|-------------------|-----------|--------------|----------------------|------------------|
| Speed of connection | 7% | 36% | 23% | 11% | 2% |
| Cost of Internet | 7% | 23% | 30% | 21% | 2% |
| Technical support | 16% | 41% | 22% | 14% | 8% |
| Reliability of access | 8% | 37% | 26% | 24% | 4% |
| Customer service | 11% | 49% | 22% | 14% | 5% |
| Number of Providers | 5% | 3% | 27% | 41% | 24% |

+/-10% at p=0.5

Of the 10% of respondents who indicated they had no high-speed service, 9% indicated that access was too expensive. Other reasons cited included not owning a computer (5%), lack of broadband availability (21%), lack of Internet skills (2%), no need for broadband services (2%), and other (2%). Ninety-three percent indicated that if those concerns were resolved, they would utilize Broadband (high-speed) Internet service.

Residences

Information provided by the 29 residences revealed that the average number of people occupying each residence was 2, and the median annual household income was \$40,000.

Thirty-three percent of respondents indicated their employers allow them to work from home, while only 24% actually do telecommute or work from home. Of the respondents who were self-employed (14%), 56% work from home. The following table indicates who uses the Internet in the home.

Table Two. Users of Internet in the home n=29

| Respondent | 66% |
|----------------|-----|
| Spouse/Partner | 43% |
| Children | 23% |
| Friend | 5% |
| Grandparent | 0% |
| Parent | 7% |
| Housemate or | 9% |
| Roommate | |
| Other | 11% |

+/-10% at p=0.5

Many of the respondents indicated they use the Internet in places other than their homes.

The following table illustrates the places they, other than the home, where they access the Internet.

Table Three. Places other than the home where the Internet is used n=29

| Work | 36% |
|----------------------------|---------|
| School | 7% |
| Public Library | 18% |
| Relative or friend's house | 11% |
| Retail shop with wireless | 14% |
| access | 0 = 0 / |
| Cell phone | 27% |
| Other | 2% |

+/- 10% at p=0.5

Businesses

Responses were obtained from 15 businesses in the Region Four PDC. The businesses were fairly evenly distributed among the National Business classifications with the largest percentages being Educational Services (5%) and Other (11%). Forty-six percent of businesses indicated they allow employees to telecommute (work from home). Ninety-two percent of the businesses indicated that broadband enhancement would be beneficial to their customers/clients, and 85% indicated that high-speed Internet access is

important or very important to the day-to-day operations of their businesses.

Please see Appendix B for mapping of the mailing responses.

Rroadband Field Testing

L.R. Kimball's broadband filed testing consisted of drive-testing the five county area while using specific app-enabled smart phones provided by the State. The purpose of this testing was to assess the spatial and attribute accuracy of the service area polygons that four providers, AT&T, nTelos, US Cellular and Verizon, submitted to West Virginia in March 2013 as part of the National Telecommunications Information Agency (NTIA) State Broadband Data and Development Program (SBDD). Comparisons between the field data collected and the provider-supplied service area polygons facilitated the identification of possible coverage and speed inaccuracies reported to the State by the providers. ¹⁹

Please see Appendix C for mapping originally provided by the examined providers and Appendix D for the full study.

Broadband Mapping Program

The purpose of this program is to develop an easily read map that shows a comprehensive picture of existing broadband service and to identify areas in the state that still do not have it. This program is funded by a grant from the National Telecommunications and Information Administration (NTIA) State Broadband Data & Development Program (SBDD).

Program staff members continuously work with broadband service providers in the state to gather information about broadband availability, technology, infrastructure, speed, ARPU and wireless service. The study also included information provided by private and public sources to meet the project objectives. This study included information about community anchor institutions such as schools, libraries, universities, colleges, hospitals, emergency and public safety installations, and all public buildings. Information obtained from service providers and other sources have all been kept confidential.

The project has also helped to determine what types of service are available and where.

Because the availability of broadband access is ever changing, there will be periodic updates to the map. To ensure accuracy information obtained from service providers will be cross-referenced with the State's Statewide Addressing and Mapping Board (SAMB) address file, which contains geospatial information and addresses for every structure in the state. This will be followed by ground inspections and consumer surveys to make sure the information is accurate. The project will continue to be updated in order to show

¹⁹ L.R. Kimball, Region 4 Field Testing Findings Report

changes in infrastructure and broadband availability. The State will assume this responsibility using portions of the grant already available and continuing with alternate funding sources in the future.²⁰

Please see Appendix E for mapping of the survey responses and speed test results.

Summary

- Region 4 encompasses a rural area with low population density with no urban areas and only a large few towns
- Topography is mountainous with many ridges and hollows making broadband deployment more difficult for both fiber and cell towers
- A high unemployment rate is evident throughout Region especially since 2008, indicating a need to grow job opportunities, which broadband can help to accomplish
- The area around Green Bank National Radio Astronomy Observatory in Pocahontas County restricts cell phone use, further limiting broadband and other communications options in this area
- Internet availability is growing, but many locations either do not have Internet at all or have access at very low speeds
- The middle mile fiber networks, WANs, is growing but location and access by other providers needs to be increased in the last mile deployment at reduced cost
- Updated broadband maps based upon new WV standard of 4 MBPS now show large areas of no broadband coverage in Region 4
- Strong interest from both residences and businesses in having access to faster and more reliable Internet
- Strong dissatisfaction throughout the Region in speed and service from current providers and service is often only available via one provider
- Satellite Internet, while better than DSL, is inadequate due to high latency and slow up load speeds, even with small files

30

²⁰ http://www.wvcommerce.org/business/wvbmp/default.aspx

- Municipal buildings and many schools have high speed Internet but many student's residences do not, limiting effectiveness for student's growth
- With Internet speeds of only 1 / 0.2 mbps in many locations, users likely do not know what they could do with true high speed Internet (e.g. > 25 mbps)

WOC Strengths, Weakness, Opportunities and Challenges

A SWOC analysis was administered at the meeting of the Region 4 Regional Broadband Planning Team held August, 20, 2013 in an effort to identify broadband availability and adoption issues that are considered high priority for development of strategic goals and objectives. The SWOC analysis has been created with the intention to provide a solid basis for indentifying achievable broadband goals and objectives at the local level and ultimately for the Region and its sectors as a whole. It addition, the process will help maximize grant funding efforts by providing the basis for a prioritization of tasking during the installation phase. Please see the SWOC analysis below.

Strengths

- The fiber "backbone" or wide area network (WAN), is growing and as a result customer costs are decreasing and usage caps are growing
- Prices are becoming more competitive as the service market grows
- Educated workforce ready to take advantage of broadband thus increasing demand, as well as growth in use and demand for distance education opportunities

eaknesses

- The rate at which additional bandwidth is becoming available at an affordable price is lagging behind the needs of the community, especially in the education system
- The competition in the service market is growing, but the pace is slow and prices are still not competitive enough to allow all to afford service
- Older populations and less educated individuals show less interest in broadband or do not know how to utilize service, thus there is lack in demand from these sectors
- Areas rural in nature with small populations are often unable to receive services

- Reliability and poor customer services among current Internet providers result in low satisfaction in only service available
- · Lagging economy in Region 4

pportunities

- E-rate 2 will be coming available with more funding for schools to purchase higher bandwidth speeds
- · FCC reallocating monies for broadband expansion
- · Un-served communities can create "request for services" petitions
- · Planning via Comprehensive Plans
- BTOP Towers can be used by multiple providers

hallenges

- Data limitations
- Limited provider competition
- · Lack in demand from some sectors
- · Lagging economy
- Rural communities with small populations
- Customer satisfaction

trategic Direction Education and Outreach, & Infrastructure Economic Development

The ultimate question to be answered by the Regional Broadband Planning Team's endeavors is what direction is best to facilitate broadband growth in the communities of Region 4? Data provided via the online survey and random survey mailing convey a population ready to or already utilizing broadband. However, with the low rate of return produced by the random survey mailing and the online survey's accessibility to residents and businesses who already utilize broadband service, it can readily be determined that further study of the area's residents and businesses is needed.

At the last count just under 80 percent of West Virginia residents had broadband access and the State Broadband Mapping Program is seeking to identify broadband needs and raise that number to 95 percent before 2015. The 80 percent figure was determined prior to the State's adoption of the FCC's definition of broadband, so this percentage could now be found to be significantly lower. In order to continue the move toward the 95 percent goal in the stated time frame, much focus must be given to the rural areas found within Region 4 and the obstacles that need to be overcome in order to reach residents and businesses in this mountainous area.

Education and outreach must be pursued in order to incubate the needed demand and skills to utilize broadband. Infrastructure is inevitable in reaching the broadband goals of Region 4 and the State and the economic needs of the communities of Region 4 will never be met without the availability of broadband speed Internet access.

ducation and Outreach

Education and outreach are essential in facilitating the expansion of broadband availability. Without the understanding of the numberless doors that broadband opens, there will continue to be a lack in the demand needed to constitute growth in infrastructure. This is especially true in the rural areas of the Region where demand is not high enough to constitute expansion at an affordable price.

Demand must be high enough to entice providers to service an area and the area must provide a high enough customer base to offer the services at an affordable cost. Education and outreach should be held at a high priority in order to grow the demand needed for expansion.

Region 4's RBPT online survey does not indicate that residents who do not have broadband service in their home lack established service because of a lack in demand or knowledge to utilize the service

| Answer Options | Response Percent | Response Count |
|---|---------------------|----------------|
| High-speed Internet is not available | 69.2% | 9 |
| Cost | 23.1% | 3 |
| Sufficient access elsewhere | 7.7% | 1 |
| Nothing on the Internet I need | 0.0% | 0 |
| l plan to establish service within the next | 0.0% | 0 |
| No time to learn to use the Internet | 0.0% | 0 |
| Don't know how to set it up | 0.0% | 0 |
| Problems with cable access | 0.0% | 0 |
| Problems with DSL access | 15.4% | 2 |
| Child safety and content | 7.7% | 1 |
| Privacy/security concerns | 0.0% | 0 |
| Other (please specify) | | 2 |
| | answered question | 13 |
| | skipped question | 249 |

and 96.7% of respondents state that it would be beneficial to them if the current broadband environment in their area was enhanced.

| Would it be beneficial to you enhanced? | if the broadband environment in ye | our area was |
|---|------------------------------------|----------------|
| Answer Options | Response Percent | Response Count |
| Yes | 96.7% | 88 |
| No | 3.3% | 3 |
| | answered question | 91 |
| | skipped question | 171 |

Results from the random mailing indicate that only 2% of respondents indicated lack of Internet skills, while 93% indicated that if certain concerns were resolved they would utilize broadband Internet service.

While the results of the two surveys show little evidence of lack of demand or skills needed to utilize high-speed Internet services, it can still be reasonably determined that portions of the population are unaware of the advantages of high-speed Internet and do not know how to utilize what broadband has to offer.

Education and outreach efforts will ultimately impact broadband expansion by heightening demand for service, as well as, enhance the livelihood of those whom learn to take advantage of the opportunities made available through utilization of high-speed Internet access.

Education and outreach efforts are necessary to promote the importance of broadband and create the demand needed to foster the growth.

Strategic Objective S.O.1.1: To facilitate outreach programs that will educate residents and businesses within the Region of the benefits of utilizing broadband services

 Goal S.O.1.1: Reach out to target populations through methods such as regional awareness campaigns, advertising, talk radio, public service announcements, and other media

While the data received via the online survey and the mailing does not indicate a lack of know how from residents and businesses to utilize broadband, it can still be reasonably assumed that portions of the population do not have the necessary skills needed to take full advantage of broadband and may not know the full extent of what broadband can really offer.

Target populations for the above stated outreach efforts will include rural community residents, low-income residents, senior citizens, students of higher and lower level education and those determined not have broadband access. The outreach programs should be ready for initiation by the fall of 2014.

Goal S.O.1.2: Host demonstration events and workshops

As a platform to reach the target populations named in S.O.1.2 resources such as community organizations (i.e. rotary clubs, farmer's associations, etc.), welfare departments and the Department of Health and Human Resources, senior centers, senior living facilities, local schools and community colleges, trade fairs and technology conferences can all be utilized to reach out these populations by facilitating demonstrative events and workshops via these resources.

A minimum of at least two workshops specific to each target population should be held in each county annually.

Workshops should include demonstrations of what can be accomplished with broadband vs. current slow Internet speeds. It should also be a goal to educate residents and businesses on broadband terms in order to provide them with the knowledge they need to make educated choices in relation to broadband and voice their opinions on broadband effectively.

 Goal S.O.1.3: Leverage and/or work to organize programs that provide subsidized broadband service to income-qualified households in order to secure broadband build-out projects and increase availability and usage

Work with welfare departments and The Department of Health and Human Resources to organize a subsidized broadband service plan to be provided to income-qualified households.

Prior to the implementation of the above stated goals, further study is needed to better determine what areas would benefit most from the outreach. Percentages of the stated populations that lack the necessary skills to utilize broadband and are unaware of its many advantages need determined in order to conduct a follow up study to measure the effectiveness of the outreach program in reaching its goals.

nfrastructure

State planning efforts seek to provide at least 95% of West Virginia's population with broadband access by 2015. Infrastructure and utilization of current infrastructure will be crucial in achieving this goal.

Per a press release from Senator Jay Rockefeller's office in September 2013, Senator Jay Rockefeller, Chairman of the Senate Commerce, Science, and Transportation Committee, along with Senator Joe Manchin and Congressman Nick Rahall, announced a multimillion dollar federal award supporting expansion of broadband infrastructure and high-speed Internet access to at least 40,000 rural homes and businesses in West Virginia.

The allocation of \$24,106,003 follows a call from Rockefeller, and several of his colleagues, who urged the FCC in March 2013 to continue releasing resources from the Federal Communications Commission's (FCC) Connect America Fund so as to prevent a break in the construction of broadband infrastructure in areas that presently lack high-speed Internet service. The Connect America Fund was launched in 2012 to provide access to broadband service to tens of millions of Americans who have been without broadband service.

"The FCC is an important partner in the effort to bring broadband infrastructure and high-speed Internet to our rural communities. This funding award shows that the agency not only heard our concerns, but they understand that advancing next-generation Internet technology in rural areas, including those in West Virginia, cannot be done without them," said Rockefeller, who has long made it a top priority to bring the transformative power of broadband and Internet access to all parts of West Virginia. "With help from the FCC, so many more of our families and businesses will soon have the transformative and necessary power of high-speed Internet at their fingertips, opening the doors to many new educational and economic opportunities."

"Investing in ways to improve Internet access and broadband services will help West Virginia businesses become more competitive, advance economic opportunities and expand the scope of information available to West Virginians across our great state," Manchin said. "High-speed Internet will also encourage new educational opportunities for our kids and our future generations, and I am pleased that the partnership between the FCC and our state will specifically focus on expanding broadband to some of the areas around our state that have the most limited access in our rural communities."

"For the whole of America to keep a competitive pace in the world marketplace, investments like the FCC's major commitment to families and businesses are essential," said Rahall. "Whether advancing learning, expanding small business markets, researching and developing new products or services, today, broadband access is a basic economic necessity. Leveling the playing field for rural America to compete in the e-economy remains an essential federal role and responsibility."

Strategic Objective S.O.2.1: Conduct further research to determine what parts of the Region will benefit most from fiber optic or tower infrastructure or a combination of both to expand service in a way that allows for a more competitive market

The creation of maps showing where middle mile/backbone networks are currently installed, as well as where there are gaps, and that specify whether infrastructure was installed with State or Federal funds or private funds, should be created to aid in determining what strategies should be pursued and will work best in specific areas of the Region.

Encouraging legislature to revisit current rules regarding access to BTOP and other networks and loosen access and agreement requirements could allow providers to obtain access to backbones to make Internet available more broadly and competitively.

Legislature should also be encouraged to loosen overlap restrictions for grants, as these are often used by single providers to stifle nearby proposals and much needed competition.

All providers who are active in the Region should be identified, including those that have received grants and those who have applied for grants that were not approved, in order to hold collaborations aimed to determine what specific actions could be taken to broaden deployment at the lowest cost. For example, determining what terms in existing grant proposals are particularly onerous to providers, especially to co-op and other successful small providers, and determining which providers have existing projects in place, where an extension of the service area could potentially be implemented efficiently at lower incremental cost, can help to determine problems that need addressed in order to allow projects at the highest priority to be pursued.

Providing support for proposals for grants and other assistance that have growth potential will ensure that grant funds are most efficiently used. Proposals that do not have the capability to expand at a low cost may become obsolete in the future.

Proposals and plans should also be consistent with the overall long term goals of Region 4.

Strategic Objective S.O.3.1: Work with providers to utilize current infrastructure to meet unmet needs of residents and businesses

Data from both the online survey and mailing showed that the highest percentage of respondents without current broadband service indicated that they don't have the service because it is not available. This data indicates need for infrastructure in order to provide residents and businesses with the broadband service they so desperately need.

• Goal S.O.3.1: Work with providers to determine existing infrastructure and capacity in order to attract prospective businesses

Broadband advocate teams detailed in Goal S.O.4.3 can work with current providers to discuss ways to increase service using existing infrastructure. Such methods as facilitating data exchange agreements should be pursued, specifically in relations to towers built by BTOP funds.

At least two meeting should be held annually between stakeholders and providers in order to discuss options to better utilize current infrastructure.

• Goal S.O.3.2: Facilitate communications between residents and providers regarding service locations, unmet needs, etc.

Often times, rural residents will request broadband service from a provider but the area will lack the demand needed to feasibly extend service to that resident. Over time, the demand in the area may grow great enough to facilitate expansion; however, providers may be unaware that such a demand has grown. Broadband advocacy groups can work to organize user petitions to provide service providers with demand snapshots of areas that would otherwise fall through the cracks.

Conomic Development

Broadband services are essential for the future development and sustainability of Region 4's communities. Residents and businesses that lack the ability to utilize broadband services are at an economic disadvantage and in respect are "left behind" in our fast paced world. In order to move forward and be competitive, broadband planning must be considered as a priority in order to continue the development of the areas of Region 4.

Broadband speed connections are crucial especially to employment. The following excerpts are from Region 4's RBPT's online survey, indicating a high percentage of respondents working from home using a broadband connection.

| | ure of your business or employment a proadband connectivity? | allow you to work out of you | r |
|-------------------|---|------------------------------|-----|
| Answer Options | Response Percent | Response Count | |
| Yes | 63.2% | 84 | |
| No | 36.8% | 49 | |
| | answered question | | 133 |
| | skipped question | | 129 |

| Answer Options | Response Percent | Response Count | |
|-------------------|-------------------|----------------|-----|
| Yes | 82.6% | 57 | |
| No | 17.4% | 12 | |
| | answered question | | 69 |
| | skipped question | | 193 |

| Do you ever | work from home? | | |
|-------------------|-------------------|----------------|-----|
| Answer Options | Response Percent | Response Count | |
| Yes | 98.0% | 50 | |
| No | 2.0% | 1 | |
| | answered question | | 51 |
| | skipped question | | 211 |

The random survey mailing data shows that 33% of respondents are allowed to work from home, while only 24% actually do telecommute or work from home. Of the respondents who were self-employed (14%), 56% work from home.

Distance-Earning: A Vision for the Future, a study by West Virginia University of Public Administration Capstone students for the community of the Town of Ansted in Fayette County, indicated a high potential for an available workforce for work-from-home opportunities. The study also found indication that residents are willing to attend training or continuing education classes in order to work from home.

Bridgemont Community and Technical College has launched Telework West Virginia, offering trainings to residents in and around the Town of Ansted, Fayette County.

Without broadband speed connections, data transfer becomes problematic for home based entrepreneurs and other members of the workforce who telecommute. The lack of capability to adequately transfer data in a timely manner can inhibit one from taking advantage of telecommuting opportunities. For this same reason, residents often must leave an area and are unlikely to take up residence in an area that does not provide the broadband needed to perform work from home obligations.

In the same respect, educational opportunities are limited when broadband services are not available at both lower and higher education levels. Many lower education systems require students to do research and complete assignments via the Internet. Students without easily accessible service are left at a disadvantage.

Many colleges and university's offer courses online and many have complete online campuses. Education is vital to economic growth and online opportunities open doors to those who would otherwise not be afforded an education otherwise. This is especially important for economically disadvantaged, rural areas. Without out an educated workforce these communities will continue to be at a disadvantage. The infrastructure of broadband facilitates opportunities far beyond the reach of physical limitation.

Strategic Objective S.O.4.1: Utilization of broadband to facilitate economic development

Reponses from the online survey indicate that a high percentage of individuals work from home and a study by West Virginia University of Public Administration Capstone students found that a Fayette County Community, the Town of Ansted, found a high potential for an available workforce for work-from-home in that area. In order to foster growth in home enterprise and telecommuting job opportunities, broadband implementation is crucial. Broadband expansion will also allow for current local business to operate more efficiently and opens the door to further growth for established as well as blooming businesses.

- Goal S.O.4.1: Work with county and local planning directors and the West Virginia University's School of Law Land Use and Sustainable Development Law Clinic to ensure that broadband infrastructure is included in comprehensive planning
- Goal S.O.4.2: Work with county and local planning officials to incorporate the provision of broadband planning in current planning policies

Meetings designed to provide collaborative sessions between residents and broadband stakeholders with county and local planning officials can be coordinated by working with local city and town halls and county commissions. Adequate advertisement of the meetings must be pursued to ensure all interested individuals are afforded an opportunity to prepare needed materials in advance to the meeting date.

Broadband planning should begin to be incorporated into planning policies by 2014.

 Goal S.O.4.3: Partner with local governments and economic development organizations to advance public funding requests

In the meetings described by S.O.4.2 relationships formed with county and local planning officials can then be extended to include local governments and economic development organizations. Discussions between these parties can allow for planning at a more local level. Residents, businesses and other stakeholders along with representatives from county and local planning organizations, local government officials and economic

development representatives can form broadband advocate groups in order to consolidate their efforts and speak together with one voice.

• Goal S.O.4.4: Support trainings that will provide the skills residents need to utilize telecommuting opportunities and will open the door to home enterprise

Bridgemont Community and Technical College has launched Telework West Virginia, offering trainings to residents in and around the Town of Ansted, Fayette County. Exploration of grant funds to facilitate replication of this model in surrounding areas should be explored as a means to foster growth in the telecommuting and home enterprise sector.

 Goal S.O.4.5: Work with economic development organizations, municipal government officials, local planners, local employers, and entrepreneurs to facilitate a study showing how broadband availability expansion will help to promote and stimulate job growth in Region 4

By organizing meetings, either at municipal or county wide level, with the above referenced groups, information can be gathered to prepare an analysis of the job growth that could be sustained by increasing broadband availability in the Region. It can be expected that not only industry and entrepreneurs will benefit by broadband availability, but that tourism in the Region will also reap the advantages of broadband availability, as well as other industries such as housing and real estate.

• Goal S.O.4.6: Facilitate studies that determine the need for broadband availability for lower and higher education in the Region

Broadband advocacy groups can work with local education systems to determine the advantages that broadband will bring to local education institutions and reveal the disadvantages students and staffs are faced with in areas that have poor Internet connections. This will further validate the great need in the area for reliable, high speed Internet access in order to promote and provide an educated workforce.

Collaboration with economic development organizations, educational stakeholders and providers should then be held to work together to find solutions to current broadband obstacles that face education in the Region.