



STATE BROADBAND INITIATIVE PROGRAM
West Virginia Broadband Mapping Program

Technical Assistance Grant Program

Summary of State Broadband Data and Development Grants (SBDD)
Program – Technical Assistance Grants

December 31, 2014

West Virginia Department of Commerce
Geological and Economic Survey

NTIA Award # 54-50-M09012

Introduction

In 2009, the West Virginia Geological and Economic Survey Office of GIS Coordination (OGC) applied for a grant from the National Telecommunications and Information Administration (NTIA) State Broadband Data and Development (SBDD) Grants Program. The initial award enabled the WVGES to create a statewide map showing broadband coverage by type and by transmission speed. The result of this work is the West Virginia Broadband Map, which is available at: <http://www.wvbroadbandmap.org> or <http://www.wvgs.wvnet.edu/broadbandmaps/>. The NTIA National Broadband Map is available at: <http://broadbandmap.gov/>. Funds were also included in the grant to create regional plans for broadband development and usage, from which a state broadband strategic plan was developed.

Approximately \$1.5 million in funding was available from the SBDD grant for broadband-related training, education, and online application development. These funds could be awarded to a variety of entities that included non-profits, educational institutions, community organizations, public-private partnerships, planning and economic development groups, and state, local and municipal government agencies to enhance broadband usage in the state.

The goal of the Technical Assistance Grant Program was to enable individuals and groups in eleven primary sectors (ten are listed below) to be trained on broadband services and internet applications as broadband infrastructure was installed across the state. The Grant Program also enabled these groups to develop online applications to support their services and public activities.

SBDD Technical Assistance grants were provided in amounts up to \$30,000 per award, with a cash match and/or in-kind contribution required. Grants were awarded in two rounds: the first round started November 1, 2012, and ended October 31, 2013, and the second round started January 1, 2014, and ended October 31, 2014. This report was prepared with data and information current as of December 31, 2014.

In their final project reports, some grantees identified issues in their process which they had not originally anticipated and/or for which they had not prepared, requiring an investment of additional time and their own money to ensure the success of their project. Several grantees (especially government agencies and education entities) identified “next steps” they would like to pursue if additional funds became available, to make their applications more full-featured for their “customers” (i.e., the public). Efficiencies from the grants, especially in more rural areas of the state, were noted.

Grant Impacts by Sector

Numbers in parentheses following a grant identifier refer to the specific grants listed in the “List of Technical Assistance Grants, by Sector” table at the end of this document.

Agriculture – (3 grants)

As more Americans choose to buy fruits and vegetables from local farms, producers, buyers, processors, and re-sellers are seeking to tap the potential of broadband internet resources in order to maximize their agricultural strategies, meet demand, and plan for future developments.

To keep abreast of these developments and effectively target specific market demands, the West Virginia Community Development HUB (G13-0009) created two online portals. The first was for farmers to examine local food processing facilities and assess their capabilities relative to demand and the scale of local processing needs. In this way, farmers could find facilities and resources that met their specific economic needs. The other portal was for schools, with online resources for agricultural education, to better equip the next generation of young farmers with strong hands-on experience and skills training.

To further support the agricultural and economic needs of our State, a private company, Downstream Strategies (G13-0027), collaborated with the West Virginia GIS Technical Center on a GIS mapping application to empower producers, consumers, and policy makers. This web mapping software application identifies meat processing and packing plants, buyers, distributors and community kitchens to assist farmers with the ability to quickly identify regional partners. Consumers can quickly and easily find local farmers markets, cooperatives, grocers, and eateries that sell locally grown food.

To help streamline agricultural oversight, the West Virginia Department of Agriculture (G14-0009) received funding to develop an online application to allow electronic payment of registration or licensing fees for pesticide applicators statewide. This allows for the registration of pesticides before distribution throughout the state and the ability to track products and their use.

Economic Development – (4 grants)

The value of broadband to the residents of rural areas, and those seeking regional economic revitalization, cannot be overstated.

In order to optimize this capability, the Development Authority of Mercer County (G13-0010) received grant funding to map their infrastructure, unused industrial and commercial facilities, and workforce demographic data. This was done with an eye toward demonstrating development opportunities to investors. The ability to serve this data online, rather than in traditional hardcopy maps and files, dynamically streamlines Mercer County’s ability to showcase investment opportunities. A virtually

identical project was also undertaken by the Mingo County Redevelopment Authority (G13-0022) for its industrial and commercial properties. This allows Mingo County to showcase their potential to outside interests while mapping valuable utilities infrastructure at the same time: a win-win for the county planning authorities who need such valuable GIS mapping data for local infrastructure, and those who ultimately have to consider their capabilities for new construction or growth.

A third grant-funded project undertaken for economic development was the Robert C. Byrd Institute (RCBI) Advanced Manufacturing Interactive Network at Marshall University (G13-0015). The power of this project was in its common sense approach to matching technology graduates and entrepreneurs with manufacturers and online experts. This effectively linked students with real-world employers, designers with manufacturers, and online experts with other community members seeking to collaborate on project work of a technical or specialized nature.

Finally, Southern WV Community and Technical College (G14-0014) developed an e-commerce training program for potential and existing entrepreneurs especially in the tourism and hospitality industry in the region. This e-commerce training covered topics such as completing online transactions, using marketing software, and other broadband tools to increase a web presence for southern WV businesses. Over 90 individuals participated in the training sessions and additionally, 21 business owners received follow-up consultations where improvements to their business websites were discussed.

Education – (7 grants)

Online educational offerings have grown exponentially in the past several years, and show no signs of abating. However, the need for solid curriculum and teaching standards remains. Technology alone will never replace solid educational content and established instructional methodology. In recognition of this, the educational grants focused as much on online educational standards and certification as they did on actual online teaching applications used in the classroom.

Grants to the WV Humanities Council (G13-0032) and West Virginia University at Parkersburg (G13-0029) both focused on creating dynamic broadband educational resources for students in our high schools and colleges. Grants to the WV Higher Education Policy Commission (G13-0003) and WV Virtual Learning Network (G13-0007) emphasized online course standards and teaching methods, as well as faculty certification for online instruction to ensure best practices. The West Virginia University virtual advising grant (G13-0021) capitalized on the growth of online instruction, and sought to ensure equal access to academic advising for non-traditional students.

West Virginia Network for Educational Telecomputing (WVNET) (G14-0013) developed training for college faculty who currently teach online courses. This training provided faculty with the tools to improve existing online courses so that they fall within best practices and standards for course design and delivery. One hundred and seventy faculty from West Virginia public universities, colleges and community and technical colleges completed this workshop.

Grant County Schools (G14-0024) received funding to provide educators with opportunities to collaborate, examine, and evaluate online resources to assist with implementation of the Common Core Standards for education. Workshops were held for both faculty and parents, with the hope that parental involvement will improve their child's education.

Emergency Services and Public Safety – (9 grants)

The growth of broadband digital communications has transformed telecommunications infrastructure within the United States. Technological advancements in communication, hardware and software and reporting applications have been made in recent years, and keeping agencies and personnel up to date is important for public safety and emergency response.

The WV Division of Homeland Security and Emergency Management (G13-0026), in cooperation with the WV State Police, received grant funds to conduct training on communications equipment issued for use on an interoperable broadband communications system being deployed around the state. The new Motorola equipment was on hand and in storage, but no one knew how to use it, and the cost of training was not within budget. It immediately benefitted our first response and law enforcement community.

A second broadband telecommunications need related to emergency service dispatch utilizing GIS mapping and 911 addressing was identified by Hampshire County, in cooperation with neighboring Mineral and Hardy counties (G13-0005). The goal was to optimize response times and resources in a three-county region. With the new grant-funded system, a dispatcher can see the available law enforcement and emergency resources in any geographic area, and call upon those closest for immediate assistance, regardless of county boundaries. Thus, counties can work together using combined call centers and emergency resources to respond more effectively over a significantly larger geographic range. This not only provides much better utilization of resources, but ensures that those closest to any given emergency incident could be on-scene quickly regardless of their specific county affiliation.

The West Virginia State Police (G14-0010) received funding to implement a mapping system to improve upon tracking and verifying the location of registered sex offenders throughout West Virginia. This GIS-map-based project allows troopers to more efficiently conduct compliance checks of offenders as well as being able to quickly identify registered sex offenders in the proximity of a missing child. This system replaced hardcopy files that previously had to be manually searched.

The City of Beckley (G14-0027), the Hancock County Commission (G14-0028), and the City of Huntington (G14-0026) received funding to create a uniform notification system for community residents in the event of emergency/disaster incidents. These smartphone applications will share information such as shelter locations, suspect descriptions, school closings, power/water outages, suggested re-routing of traffic, etc. Residents will be receiving local data from dedicated information services. These apps feature a simple interface that is easy to customize and are available for free download.

Monongalia County Homeland Security Emergency Management Agency (G14-0039) received funding to develop and deploy a Resource Management Module that allows first responding agencies access, in real time, to view and manage their inventory and resources. During a disaster, this will allow for faster and easier resource acquisition and deployment.

The Town of Granville (G14-0022) received funding to implement an online application that allows its police officers to electronically fill out required forms in the field. Previously, forms had to be filled out by hand, then re-entered into the computer once back in the office. This application not only streamlines the process, but also frees up personnel time for other tasks.

Harrison County Commission (G14-0029) received funding to implement a cloud-based mobile damage assessment system to provide rapid and coordinated disaster response. This system allows for paperless filing for state and federal assistance including data, photographs and GPS locations to be collected and submitted while onsite.

Energy & Environment – (7 grants)

As a result of funding to support energy and the environment, the WV Division of Natural Resources and the WV GIS Technical Center (G13-0030) were able to partner with the US Fish and Wildlife Service and the US Natural Resource Conservation Service to integrate multiple reporting systems into a single “inter-agency cooperation tool” for federal and state agencies. This ultimately saved a tremendous amount of time and effort for each agency, which previously had separate internal systems for reporting requirements related to the Endangered Species Act. A single streamlined system was much more efficient, and allowed staff to work within a standardized system for environmental regulation.

Grant-funded projects included the use of Ethernet sensors to control power at water and waste-water stations as well as monitor overflow and water leaks in public service districts in rural Barbour County (G13-0012, G14-0030) and the town of Tunnelton (G14-0008). The use of broadband allowed remote monitoring and control of pump stations and other infrastructure that had traditionally relied on manual controls. Under the previous system, inspectors had to physically travel to each pump station and regulate power according to demands on a daily basis. With the new broadband system, regulators are able to monitor conditions remotely, and regulate the controls over a secure online connection. This was a tremendous improvement over the older manual system.

Friends of Deckers Creek Youth Advisory Board (G14-0031) received funding to develop the first youth-led, online, watershed guide connected to an interactive map. A training manual was also developed so that the project can be implemented throughout the state in different watersheds. The project was successfully implemented for the Deckers Creek watershed and many points of interest were added to the map.

The WV Division of Forestry (G13-0013) received funding to enhance an online notification, enforcement, and reporting system for logging operations in the state. This system replaced a paper-

based manual reporting system, freeing up personnel time, improving workflow, reporting and accountability.

The West Virginia GIS Tech Center (G13-0020) took the best available imagery from multiple recent time periods and sources and mosaicked them into a seamless coverage for the state of West Virginia and published them as a web service. This aerial imagery is used by multiple state agencies, law enforcement and private sector services and it is also an important base layer for structure identification.

Government – (35 grants)

Several similar projects were funded in the Government Sector. They are outlined below by type of application:

ONLINE TAX PAYMENT SYSTEM:

The goal of these projects was to create an online tax payment system for resident and non-resident property owners. These systems are reducing mail and paper check processing times, as well as reducing the necessity for in-office visits. Online tax payment can be completed 24/7 using secure credit card transaction processing. Greenbrier (G13-0025), Hancock (G13-0002), Harrison (G14-0003), Ohio (G13-0014), and Taylor (G13-0024) counties received funding to implement these systems.

ONLINE TAX INQUIRY AND PAYMENT SYSTEM:

The goal of these projects was to develop an online tax records database for constituents to query their property holdings and taxes due, as well as create a secure online tax payment system. These systems reduce mail and paper check processing times as well as reduce office visits. Braxton (G14-0007), Gilmer (G14-0004), Raleigh (G14-0006), Ritchie (G13-0017), Roane (G13-0006, G14-0002), and Wyoming (G14-0005) counties received funding to implement these systems.

ONLINE TAX INQUIRY SYSTEM:

McDowell County (G14-0035) received funding to create a broadband-based tax inquiry system. This system will make tax inquiries available to the public 24/7, reducing the need to visit the courthouse during office hours.

ONLINE FILING FOR PERSONAL PROPERTY FORMS:

The goal of these projects was to allow citizens to electronically file their Personal Property Assessment Forms, which must be done annually. Enabling online filing reduces the need for staff to process large amounts of mail and reduces office visits during business hours, as online filing can be done 24/7. Cabell (G14-0019), Doddridge (G14-0037), Fayette (G14-0033), Morgan (G14-0020), Randolph (G14-0038), and Wyoming (G14-0036) counties received funding to implement these systems.

COUNTY GIS WEBSITE:

Fayette (G14-0025), Hampshire (G13-0031), Hardy (G14-0011), Lincoln (G14-0012), Marshall (G14-0034), Mineral (G13-0008), Roane (G13-0023), and Wetzel (G14-0032) counties received funding to create an online application that will provide 24/7 access to county information. Parcel map information, deed book/page, land record and owner information, orthophotography, zoning information, and floodplain status will be available online. These web-based GIS projects will provide data that is searchable by location or other attribute information, such as owner name, address or map/parcel number.

OTHER GOVERNMENT PROJECTS:

The WV GIS Tech Center (G14-0032) received funding to create a statewide surface parcel layer web service that will be for “viewing only.” This searchable service will allow for parcel information to be viewed with other geographic layers such as roads, aerial photography, etc. This service will provide standardized data for land records searches and other uses.

The Putnam County Sheriff (G14-0001) received funding to create data access for emergency responders. Using disaster management software, reporting applications, and criminal records data, this project would allow emergency responders timely access to this information while in the field or responding to an emergency or disaster.

The Fayette County Commission received funding for four related projects. In the first round of grant funding, an official county government website was created with a portal for online payment of taxes (G13-0004), followed by the development of an e-government interactive GIS mapping application with a zoning boundary layer (G13-0001) which allowed for the online submission of building permit and zoning requests. During the second round of grant funding, the Fayette County Commission received two more grants (G14-0025 and G14-0033) to further implement e-government features. A GIS-enabled, online tax map was developed, and an online filing and document indexing system was created for personal property assessment forms.

Three additional grants that were awarded to various government entities were not completed.

Health Care – (4 grants)

Broadband technology has allowed for great changes in health care through tele-medicine, virtual medicine and other communications advancements. Two grants to the WV School of Osteopathic Medicine (G13-0016, G13-0033) focused on teaching medical students and doctors how to use electronic health records in their practices and clinics on a daily basis and also on a pilot project for mapping incidents of illness and disease throughout rural Greenbrier County. Medical records and data can now be quickly exchanged to treat rural patients far from hospitals and medical specialists. Illness and disease can be mapped to identify trends.

Grafton City Hospital (G14-0015) received funding to implement a tele-medicine application that uses teleconferencing during low volume periods in the emergency room. This project will help mitigate the physician shortage as well as help save the hospital resources.

The EdVenture Group (G14-0021) received funding to create an online healthcare course focused on changing behaviors related to healthcare management and disease prevention. This course will be offered at no cost through hospitals and related health care organizations in West Virginia.

Libraries – (3 grants)

Libraries can benefit from broadband usage and adoption when it comes to serving the community. Digital literacy is becoming another facet of the tools and resources that libraries provide. A grant to the Community Connect Foundation (G13-0028) focused on workforce development. E-learning resources were created and distributed which focused on resume writing, interview skills, using the internet, and website design.

Legal Aid of West Virginia (G14-0016) received funding to provide online access to legal assistance for low-income West Virginia residents. This project creates a site where eligible residents can ask for assistance with a legal problem. Qualified attorneys volunteering pro bono time are then be able to log on and choose a question they would like to answer. The ease at which people are able to ask and lawyers are able to answer questions will increase access to a resource that might otherwise be unavailable due to cost, geography, or time constraints.

The Clarksburg-Harrison Public Library (G14-0023) received funding to train librarians in the use of handheld devices to better serve the public. Many resources through the library are available electronically and this project created guides to help the public navigate advancements in handheld technology as well as keeping library staff up to date with new technology.

Summary of Funding, by Sector

Following is a summary of funding, by sector:

SECTOR	NUMBER OF GRANTS	GRANT FUNDING EXPENDED
Agriculture	3	\$57,710.00
Economic Development	4	\$102,000.31
Education	7	\$170,562.33
Emergency Services & Public Safety	9	\$235,669.36
Energy & Environment	7	\$175,077.83
Government	35	\$483,164.57
Health Care	4	\$102,625.28
Libraries	3	\$73,997.61
TOTAL	72	\$1,400,807.29

List of Technical Assistance Grants, by Sector

Following is a listing of the 72 awarded Technical Assistance grants, by sector, with the amount of grant funds expended.

SECTOR	GRANTEE	REGION	GRANT NUMBER and PROJECT TITLE	GRANT FUNDS SPENT
Agriculture	Downstream Strategies	6	G13-0027: Mapping the West Virginia Local Food System http://mapwv.gov/food/test.html	\$22,500.00
	WV Community Development HUB	3	G13-0009: Strengthening Local Agriculture with Web Tools for Farmers and Teachers http://mapwv.gov/FoodMapper http://www.wvschoolgardens.org	\$8,420.00
	WV Department of Agriculture	3	G14-0009: Pesticide Online Registration and Renewal	\$26,790.00
Economic Development	Development Authority of Mercer County	1	G13-0010: mapMercerCounty http://www.mercercoeda.com	\$30,000.00
	Marshall University Research Corporation	2	G13-0015: Advancing Economic Development with a 21st Century Advanced Manufacturing Interactive Network http://www.21stmanufacturing.org/	\$27,611.57
	Mingo County Redevelopment Authority	2	G13-0022: Mingo County Redevelopment Authority Economic Development Application and Website http://mingo.bulldogworks.com	\$19,400.25
	Southern WV Community and Technical College	2	G14-0014: Broadband Technical Assistance Grant for e-Commerce Training	\$24,988.49
Education	Grant County Schools	8	G14-0024: Common Core Implementation Workshops and Webinars http://gcscommoncoreresources.weebly.com/	\$30,000.00
	WV Higher Education Policy Commission	3	G13-0003: Certificate for Online Teaching https://ilearn-wvrocks.wvnet.edu/	\$24,222.93
	WV Humanities Council	3	G13-0032: Online Education and Research Tool Upgrade http://www.wvencyclopedia.org/maps	\$21,094.00
	WV Network for Educational Telecomputing (WVNET)	6	G14-0013: Improve Your Online Knowledge Course Training Program	\$28,528.42
	WV Network for Educational Telecomputing (WVNET)	3	G13-0007: Online Course Quality Improvement Project https://www.qualitymatters.org/	\$19,933.65
	WVU Parkersburg	5	G13-0029: WVU-P Virtual Training Center	\$25,020.00

	WVU Research Corporation	6	G13-0021: Extended Learning Virtual Advising http://www.online.wvu.edu/pathway	\$21,763.33
Emergency Services & Public Safety	City of Beckley	1	G14-0027: Heads-Up Beckley Phone Application	\$30,000.00
	City of Huntington	2	G14-0026: Heads Up Huntington Smartphone Application	\$30,000.00
	Hampshire County Office of Emergency Services	8	G13-0005: Regional 911 Centers & AVL Location Communications System	\$29,500.00
	Hancock County Commission	11	G14-0028: Heads Up Hancock County	\$30,000.00
	Harrison County Commission	6	G14-0029: Harrison County Consolidated Damage Assessment System for Emergencies	\$6,000.00
	Monongalia County Homeland Security Emergency Management Agency	6	G14-0039: MonCHSEMA CriPos Resource Management	\$28,000.00
	Town of Granville	6	G14-0022: Granville Police Department CRiPos-RMS Online Forms	\$30,000.00
	WV Office of Emergency Services	3	G13-0026: Broadband Simulcast Technician Training	\$22,200.00
	WV State Police	3	G14-0010: Sex Offender Mapping Project	\$29,969.36
Energy & Environment	Central Barbour Public Service District	7	G13-0012: Ethernet Accessibility of Sensors and High Speed Internet for Water/Waste Water and Industrial Applications http://www.extreme-endeavors.com/IPAC.html	\$30,000.00
	Central Barbour Public Service District	7	G14-0030: Lost Water Prevention for Public Service Districts Using Broadband Technology	\$30,000.00
	Friends of Deckers Creek Youth Advisory Board	6	G14-0031: Youth Watershed Connections http://www.youthwatershed.org/	\$26,634.61
	Town of Tunnelton	6	G14-0008: Wastewater Monitoring Using Broadband Technology	\$30,000.00
	WV Division of Forestry	3	G13-0013: Logging Operation, Notification, Inspection, and Enforcement System (LONIE) Broadband Deployment http://wvlonie.com/users/login	\$30,000.00
	WV GIS Technical Center	6	G13-0020: Statewide Leaf-Off Imagery Service http://services.wvgis.wvu.edu/ArcGIS/rest/services/Image/wv_sheriff_association_1ft/MapServer?f=jsapi	\$5,949.22
	WVU Research Corporation/WV GIS Technical Center	6	G13-0030: Interagency Cooperation Tool	\$22,494.00

Government	Braxton County Commission	7	G14-0007: Internet Tax Inquiry & Online Tax Payments http://braxton.softwaresystems.com/index.html	\$20,350.00
	Cabell County Assessor	2	G14-0019: Online Filing For Personal Property Forms http://cabellassessor.com/gis/index.html	\$15,758.15
	Doddridge County Assessor	6	G14-0037: Doddridge County Web Services Project	\$5,992.01
	Fayette County Commission	4	G13-0001: Online Building Permit and Zoning Application Tool http://www.fayettecounty.wv.gov http://fayette.agd.cc/wv/fayette/	\$10,800.00
	Fayette County Commission	4	G13-0004: Fayette County 21st Century Electronic Government Access Project http://fayette.softwaresystems.com/index.html	\$8,599.00
	Fayette County Commission	4	G14-0025: GIS Tax Map Development and Web Publication http://ias.fayettetwv.com/ http://map.fayettetwv.com/wv/fayette/	\$26,694.35
	Fayette County Commission	4	G14-0033: Online Filing and Document Indexing for Personal Property Assessment Forms http://www.fayettecounty.wv.gov/assessor/Pages/Online-Filing.aspx	\$6,500.00
	Gilmer County Commission	7	G14-0004: Online Public Access Project http://www.gilmercountywv.gov/	\$25,499.14
	Greenbrier County Commission	4	G13-0025: Greenbrier County Broadband Tax Payment Project http://greenbrier.softwaresystems.com/index.html	\$9,740.42
	Hampshire County Assessor	8	G13-0031: Assessor Online Web Development http://www.hampshireassessor.com/index.html	\$28,686.00
	Hancock County Commission	11	G13-0002: Hancock County Online Tax Payment System http://hancock.softwaresystems.com/index.html	\$7,125.00
	Hardy County Assessor	8	G14-0011: Hardy County Geospatial Website http://ias.hardy-wv.com/ http://map.hardy-wv.com/wv/hardy/	\$27,000.00
	Harrison County Commission	6	G14-0003: Harrison County Online Tax Payment System http://harrison.softwaresystems.com/index.html	\$11,048.66
	Jefferson County Commission	9	G13-0018: Jefferson County Online Public Land Records Management System*	\$1,809.50
	Jefferson County Commission	9	G13-0019: Jefferson County Online Public Land Records Digitization and Archive*	\$346.50
	Lincoln County Assessor	2	G14-0012: Lincoln County GIS Website http://www.lincolncountywv.org/Assessor/GIS/tabid/138/Default.aspx	\$13,740.00
	Marshall County Assessor	10	G14-0034: Marshall County GIS Website http://ias.marshallwv.com/ http://map.marshallwv.com/wv/marshall/	\$25,600.00
	McDowell County Commission	1	G14-0035: Online Property Tax Inquiry System http://taxinquiry.softwaresystems.com/mcdowell	\$12,500.00
	Mineral County Assessor	8	G13-0008: Assessor Online GIS Website http://assessor.mineralwv.com/	\$9,100.00
	Mineral County Commission	8	G13-0011: Mineral County Online Public Access Project http://www.mineralcountywv.com	\$16,570.50
Morgan County Assessor	9	G14-0020: Morgan County Online Project http://morgan.wvassessor.com/	\$6,500.00	
Ohio County	10	G13-0014: Sheriff Online Payment	\$7,125.00	

	Commission		http://ohio.softwaresystems.com/index.html	
	Putnam County Commission	3	G14-0017: Putnam County Planning Commission Permit & Zoning Request System*	\$0.00
	Putnam County Sheriff	3	G14-0001: Putnam County Sheriff Wireless Database Access & Tax Payment/Receipt System	\$29,520.00
	Raleigh County Commission	1	G14-0006: Raleigh County Broadband Web Inquiry and Tax Payment System	\$26,822.40
	Randolph County Assessor	7	G14-0038: Randolph County Web Services http://www.randolphcountyassessor.com/	\$7,155.00
	Ritchie County Commission	5	G13-0017: Online Tax Payment and Inquiry System http://ritchie.softwaresystems.com/index.html	\$16,500.00
	Roane County Commission	5	G13-0006: Internet Property Tax Inquiry http://roane.softwaresystems.com/	\$16,100.00
	Roane County Commission	5	G13-0023: Develop County Website www.roanewv.com	\$8,315.00
	Roane County Commission	5	G14-0002: Sheriff's Tax Office Internet Tax Collection	\$17,434.67
	Sheriff of Taylor County	6	G13-0024: Sheriff's Tax Office Internet Tax Collection http://taylor.softwaresystems.com/index.html	\$7,500.00
	Wetzel County Assessor	10	G14-0018: Wetzel County GIS Website http://ias.wetzelwv.com/ http://map.wetzelwv.com/wv/wetzeltax/	\$12,400.00
	WV GIS Technical Center	6	G14-0032: Statewide Parcel Web Map Service http://services.wvgis.wvu.edu/arcgis/rest/services/Applications/WV_Parcels/MapServer?f=jsapi	\$15,999.92
	Wyoming County Assessor's Office	1	G14-0036: Wyoming Assessor Online Project http://www.wyoming.wvassessor.com/onlinefiling/	\$7,655.00
	Wyoming County Commission	1	G14-0005: Online Tax Inquiry and Payment Program http://wyoming.softwaresystems.com/index.html	\$20,678.35
Health Care	The EdVenture Group	6	G14-0021: Create Health WV http://www.change1habit.com/	\$23,248.29
	Grafton City Hospital	6	G14-0015: Network Broadband Technology for Telemedicine Pilot Program	\$30,000.00
	WV School of Osteopathic Medicine	4	G13-0016: Data Mapping: A Portal to Community Health http://www.ncahd.org/wvsom/	\$30,000.00
	WV School of Osteopathic Medicine	4	G13-0033: Teach and Learn the Electronic Health Record	\$19,376.99
Libraries	Clarksburg-Harrison Public Library	6	G14-0023: Library Technology Training Project for Four Northcentral Counties	\$23,100.00
	Community Connect Foundation	3	G13-0028: E-Reading to Succeed http://www.communityconnectfoundation.org/projects.php?id=33	\$30,000.00
	Legal Aid of West Virginia	3	G14-0016: West Virginia Online Justice Project http://wvonlinelegalhelp.org/	\$20,897.61

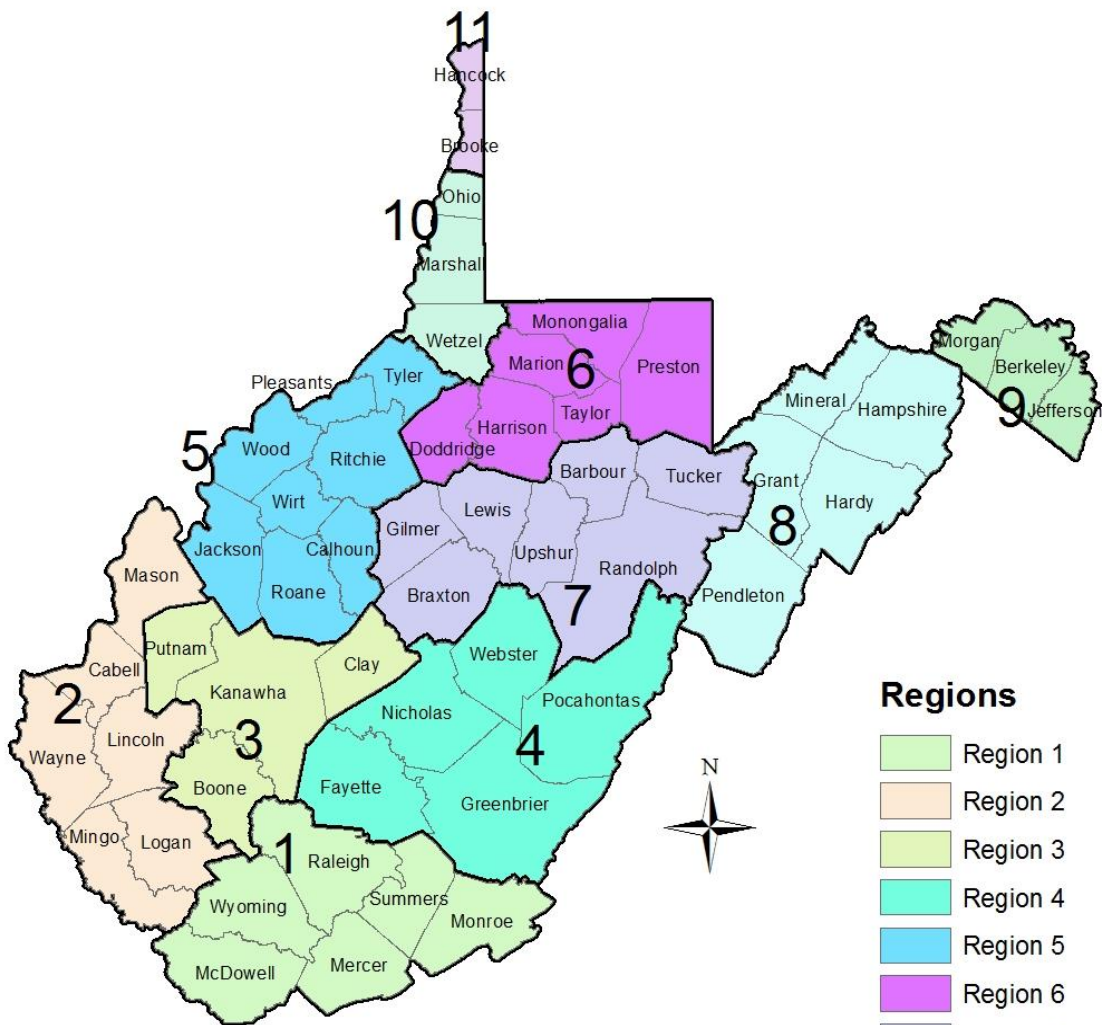
* Project was not completed.

Summary of Funding, by Region

Following is a summary of funding, by planning and development region:

REGION	NUMBER OF GRANTS	GRANT FUNDING EXPENDED
1	6	\$127,655.75
2	6	\$131,498.46
3	12	\$263,047.55
4	7	\$111,710.76
5	5	\$83,369.67
6	17	\$338,758.46
7	5	\$113,004.14
8	6	\$140,856.50
9	3	\$8,656.00
10	3	\$45,125.00
11	2	\$37,125.00
TOTAL	72	\$1,400,807.29

West Virginia Regional Planning and Development Councils



- Regions**
- Region 1
 - Region 2
 - Region 3
 - Region 4
 - Region 5
 - Region 6
 - Region 7
 - Region 8
 - Region 9
 - Region 10
 - Region 11



WV Broadband Mapping Program

West Virginia Geological & Economic Survey

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