



DLT Awards - Virginia

2007 Grant Awards

Virginia

\$182,968

Area Served: Charlottesville, Buchanan, Dickenson, Grayson, Lee, Russell, Smyth, Washington, Wise

Contact: Dr. Karen Rheuban

Telephone: 434-924-5470

Fax: 434-924-5747

Congressional District: VA – 05 Goode, VA – 09 Boucher

This project will expand existing telemedicine partnerships in place in the service area by enhancing cancer screening, diagnostic services, clinical care and educational services to the rural community. The regional health networks will be enhanced through the use of videoconferencing and, store and forward technologies delivered via broadband telecommunications links

2006 Grant Awards

Southside Virginia Community College

Alberta, Virginia

\$104,166

Areas Served: Brunswick, Greensville, Mecklenburg

Contact: Dr. Linda G. Sheffield

Telephone: 434-949-1010

Fax: 434-949-7863

Congressional District: VA-04, 05

Rural Development funds will be used to increase access to post-secondary education and training in this underserved rural area of Virginia by increasing capacity for more on-site course offerings, providing additional learning resources and support services, and providing student access to both synchronous and asynchronous distance learning opportunities. Over 2000 rural residents will benefit from four distance learning sites that will serve as both hub and end-user sites. This distance learning project will allow those underemployed or unemployed to acquire jobs skills to make them more marketable in the domestic and global economy. It will allow all workers to keep their skills up-to-date through continuing education.

2005 Grant Awards:

Education Southwest Virginia Education and Training Network

Abingdon, VA



\$500,000

Areas Served: Lee, Scott, Wise, Dickenson, Buchanan, Russell, Washington, Smyth, Grayson, Tazewell, Wythe, Carroll Counties

Contact: Bruce Mathews

Telephone: 276-619-4320

Fax: 276-628-9478

Congressional District: VA-09

The Network will update and enhance the technical capability of its distance learning system by installing interactive video classrooms in 48 schools in the project area. Services offered will include college and university classes for undergraduate and graduate credit, teacher training, educational video conferences, virtual field trips, cultural events, and electronic town meetings for local government agencies. Over 50,000 students, teachers, and residents in 13 counties will benefit from the project.

2003 Grant Awards:

Carilion Health System

Roanoke, VA

\$186,350

Area(s) Served: Cities of Giles, Tazewell, Radford, and Roanoke

Contact: Jenny Bradley (540) 224-5983; Fax: (540)985-5397

Congressional District(s): 6th and 9th

Carilion Health System will utilize RUS grant funds in a telemedicine project to electronically transmit echo cardiology procedures from hospitals in Pearisburg and Tazewell, VA to Carilion Hospitals in Roanoke. The two rural hospitals serve over 16,000 people in Giles County and over 44,000 people in Tazewell County. The project will enable real-time test results such as ECG, Vascular Ultrasound, etc., to be transmitted from the rural facilities to Carilion Roanoke Memorial Hospital and Carilion New River Valley.



2002 Awards:

Southside Virginia Community College; Alberta, VA

\$171,578 Grant

Area(s) Served: Communities of Alberta, Emporia, South Hill

Contact: Dr. Linda Sheffield (434) 949-1010; Fax: (434) 949-7863

Congressional District(s): Applicant 4th and 5th / Project 4th and 5th

Southside Virginia Community College will use RUS grant funds to provide expanded education and training opportunities for the rural residents of southern Virginia. This area is experiencing economic hardship due in large part to a high number of jobs lost through plant closings and layoffs. Three more large factories are expected to close by September 2002 with a loss of an additional 2,400 jobs. The project will fund a manufacturing system technology lab to upgrade the skills of local workers, a compressed video classroom for distance learning and a state-of-the-art telecommunications and teleconferencing facility that can be used to attract new industries to the area. This project is an important part of an overall strategy that will improve the economic outlook of this region and personally help approximately 10,000 rural residents.

University of Virginia

Charlottesville, VA

\$73,000 Grant

Area(s) Served: Counties of Smyth, Buchanan, Grayson, Giles and the community of Bristol

Contact: Michael Glasgow, Jr. (434) 924-4270; Fax (434) 982-3096

District(s): Applicant 5th / Project 9th

The University of Virginia will use RUS funds to expand an existing telemedicine and distance learning partnership to the citizens of five additional economically disadvantaged, geographically isolated and medically underserved counties in Virginia. The grant will fund a video conferencing system, computer equipment, an electronic stethoscope and high resolution cameras for each of the five sites that will be added to the existing network. The grantee will continue to use the network to provide educational and certification courses for health professionals, to provide distance learning opportunities for teachers and students and to provide outreach opportunities to members of these rural communities. Poverty and unemployment in these counties is among the highest in the state. This part of Virginia is mountainous with poor road conditions, particularly in the winter. Currently, it is not unusual for sick patients to travel 5 to 10 hours over these tortuous roads to reach the type of medical care that they need to diagnose a medical problem. This project will provide these rural residents with the diagnoses, treatment, care and educational services that they need to keep the cost of healthcare down and the quality of medical care up. Over 25,000 rural will have the opportunity to benefit from this project.



Crossroads Rural Entrepreneurial Institute (CREI)

Wytheville, Virginia

\$470,700 Grant

Area(s) Served: Towns of Galax, Rocky Gap, Bland, Independence and Hillsville, Virginia

Contact: David N. Johnson (276) 223-4711; Fax: (276) 223-4716

Congressional District(s): Applicant and Project: 9th

The Crossroads Rural Entrepreneurial Institute (CREI) is a collaboration of localities, public school districts, counties and Wytheville Community College. It will use grant funds from RUS to establish the CREI Distance Learning Network. The communities of business and industry, local governments, local schools, Economic Development, and the Chambers of Commerce have designated the CREI to become the focal point for economic development. The project has identified six (6) high school end-user sites with approximately 1,880 students per year who will benefit from the project. Wytheville Community College (WCC), as the educational delivery organization, will provide a comprehensive workforce training component that addresses specific community-based needs. CREI and WCC have developed a plan to install the CREI Distance Learning Network hub at the Institute facility in Galax which will provide the infrastructure support distance learning for workforce training, continuing education and college credit services. With this project, the Center will be able to provide: (1) Education and training utilizing two-way audio and video, and world-wide connection and access to the Internet; (2) Flexibility for various group sizes with diverse training needs, either hands-on or via long-distance video links; and, (3) Adaptability to varying users' needs and learning styles through a modern technology infrastructure allowing asynchronous and synchronous program delivery. The LAN/WAN infrastructure in the CREI is designed to deliver a wide variety of network services using both current and emerging technologies with an emphasis on wireless technologies as applied to mobile and flexible distance learning class rooms.

2001 Awards:

Medical College of Hampton Roads t/a Eastern Virginia Medical School

Norfolk, Virginia

\$51,226 Grant

Area(s) Served: Northampton and Accomack Counties;

Contact Person: Dr. C. Donald Combs; (757) 446-6090, Fax: (757) 446-6087

Congressional District(s): 1st, 2nd & 3rd.

The purpose of this project is to utilize telemedicine for the first time to assist in providing Radiation Therapy services to patients on the rural Eastern Shore of Virginia. These services will be provided at the new Shore Cancer Center at Shore Memorial Hospital (SMH) in Nassawadox, Virginia. Patients in this rural isolated area that currently require radiation therapy services are referred to hospitals: (1) In the Hampton



Roads area of Virginia across the Chesapeake Bay via the 23-mile long Chesapeake Bay Bridge-Tunnel; (2) To the Peninsula Regional Medical Center in Salisbury, Maryland (75 miles from SMH); or, (3) To the Atlantic Cancer Center located in a physician's office in Berlin, Maryland (20 miles east of Salisbury, Maryland). Grant funds will be utilized for consultative telemedicine engineering studies/services relating to the implementation of the project, telemedicine equipment, and technical assistance. The project involves an innovative collaboration among SMH, the Department of Radiation Oncology of Eastern Virginia Medical School in Norfolk, Virginia, and the Sentara Radiation Oncology Center.

Paul D. Camp Community College

Franklin, Virginia

\$445,930 Grant

Area(s) Served: Southampton and Isle of Wight Counties;

Contact: Ms. Carolyn W. Crowder; (757) 569-6747, Fax: (757) 569-4723

Congressional District(s): 4th.

Paul D. Camp Community College will utilize Rural Utilities Service funding for hardware and software to provide distance learning for area employers, employees, and unemployed individuals in the rural service region. The requested funding will build the technical infrastructure for the college's new regional Workforce Development Center, scheduled to open Fall 2001, located on the Franklin campus of Paul D. Camp Community College. The Workforce Development Center telecommunications system will provide a LAN/WAN infrastructure capable of supporting video conferencing for workforce training and services.

2000 Award:

HIGHLAND COUNTY SCHOOL BOARD

Monterey, Virginia

\$166,792 Grant

Area(s) served: Bath and Highland Counties

Contact: Dr. Frank Polakiewicz; (540) 468-2240; FAX: (540) 468-2940

Congressional District: 6

The Bath/Highland Distance Learning Consortium has been developed by Highland and Bath Counties. This public/private consortium board includes representatives from the localities' respective board of supervisors and school boards, Blue Ridge Community College, Dabney S. Lancaster Community College, James Madison University, The Recorder (newspaper covering both communities), the Shenandoah Valley Partnership, the Shenandoah Valley Technology Council, the Central Shenandoah Planning District Commission, The Highland Center, Highland Telephone Cooperative, MGW Telephone, TDS Telecom, Kandu Software, and Highland Data Services. The Bath/Highland Distance Learning Consortium's primary goals are to enhance educational and workforce



training opportunities in the most rural areas of the Central Shenandoah Valley region. The consortium will also work with the community colleges, four-year colleges, and the universities throughout the Valley in providing curriculums that will enhance the employment opportunities of the region's students and existing workforce.

SOUTHSIDE VIRGINIA COMMUNITY COLLEGE

Alberta, Virginia

\$176,863 Grant

Area(s) served: Brunswick, Charlotte, and Mecklenburg Counties

Contact: Dr. Linda G. Sheffield, (804) 949-1010; FAX: (804) 949-7863

4th and 5th Congressional Districts

Southside Virginia Community College (SVCC) and Chase City Community Services, Inc., have developed a plan to install infrastructure at the Rural Community Telecommunications and Distance Learning Center in Chase City which will provide the following: (1) Satellite downlink capability (synchronous program delivery); (2) Internet accessibility for web-based (asynchronous) course delivery; and, (3) Two-way interactive audio and video (synchronous) course delivery through H.323. This will enable the rural citizens to receive education and training without the distance barriers that they now face. The major hub will be located on the John H. Daniel Campus of SVCC in Keysville, Virginia. A secondary hub will be located at SVCC's Christanna Campus in Alberta, Virginia, and the end-user site will be located in Chase City at the Rural Community Telecommunications and Distance Learning Center. This project will provide for the expansion of distance learning capability to an area which is hindered by geographic isolation, generational poverty and a declining economy. The types of educational services to be provided include: (1) Education and training for workforce development through the provision of computer courses; (2) Upgrading of skills through such courses as math, reading, communication and writing; (3) Courses for personal satisfaction; (4) Continuing education for area allied health professionals, logging industry and agriculture through the provision of distance learning capabilities; and, (5) Undergraduate and graduate level courses for area citizens working towards either certificates, diplomas, associate degrees, bachelor's degrees or graduate degrees.

1999 Award:

University of Virginia Health System

Charlottesville, Virginia

\$230,320 Grant

Counties Served: Dickenson and Smyth

Contact: Ms. Norma Miller, (804) 924-4270: Fax (804) 924-8725

The University of Virginia Health System plans to expand their telemedicine and distance learning network to provide services to two Southwest Virginia counties. The two facilities that will be connected are in "medically underserved areas". The project will



increase access to both medical consultative services in all specialty areas and to patient education programs addressing diabetes, heart disease, and chronic lung disease. The network will provide health professional distance education programs, health related training of school personnel, and administrative meetings amongst the network partners.

1995 Grant Award:

(1) Southside Virginia Community College

Alberta

A two-way interactive video system will connect 10 rural sites. It will provide 417 students with additional educational opportunities and programs as well as professional development opportunities for teachers, administrators and health care providers at 4 regional hospitals.

(2) Southwest Virginia Education and Training Network

Abington

The system will serve more than 15 high schools, three community colleges, two vocational schools, a county extension office and regional libraries in a 10-county area. Educational opportunities will include graduate level courses, occupational education, agricultural education, and access to cultural events.

1993 Grant Award:

Shenandoah County Public Schools

Woodstock

Shenandoah County Public Schools is a small, rural school system located in northwestern Virginia, 150 miles outside of Washington, D.C. The school system was facing problems which threatened their capacity to deliver quality educational programs. Shenandoah County is surrounded by two mountain ranges which form natural barriers between many residents. Because of the mountainous terrain it is necessary to operate three small high schools, each with an enrollment of less than 600 students and a small number of faculty. The result is a limited number of course offerings, especially in the areas of science, math, and the arts.

In 1993, a \$73,680 Rural Utilities Services (RUS) Distance Learning and Medical Link Program grant was awarded to Shenandoah County. The distance learning system consists of three remotely located high school classrooms linked via an analog fiber optic transmission network. This network enables any one classroom to simultaneously view the other two classrooms.



The increased curriculum includes four advanced courses; calculus, economics, and foreign language. Teacher training classes will also be offered. Fifteen-hundred students are enrolled in the three participating educational institutions. Two hundred and ten students from these high schools elected to attend institutions of higher learning in 1994-95. Over eighty-five students participate in distance learning activities, such as accessing the Internet.

In addition to the students and faculty, the interactive video classrooms is available to the 28,000 residents of the Shenandoah Valley, for adult education classes, as well as interest groups and clubs.