



DLT Grant and Loan Awards - North Dakota

2006 Grant Awards

The Great Northwest Education Cooperative – Alexander Public School District

Alexander, ND

\$119,006

Areas Served: Burke, Divide, McKenzie, Mountrail, Williams

Contact: Mr. Murray Kline

Telephone: 701-828-3335

Fax: 701-828-3134

Congressional District: ND-01

Rural Development funds will be used to install an additional distance learning teaching lab in ten participating school districts which will effectively double the send/receive capabilities of the system. Over 6,500 students, 621 teachers, as well as community members will have enhanced educational opportunities provided by the upgraded system.

Precision Diagnostic Services, Inc.

Fargo, ND

\$343,611

Areas Served: ND-Cass; SD-Grant, Gregory; WI-Barron, Chippewa, Grant, Taylor, Trempealeau; MN-Aitkin, Brown, Hubbard, Kanabec, LeSueur, Mille Lacs, Pipestone, Roseau, Sherburne, Wabasha, Yellow Medicine

Contact: Mr. David C. Weiler

Telephone: 701-234-9667

Fax: 701-271-9260

Congressional District: ND-01; SD-01, MN-01, 02, 07, 08; WI-03, 07

Rural Development funds will be used to enhance the PDS Sleep Medicine telemedicine services to eighteen hospitals in Minnesota, South Dakota, and Wisconsin. Telemedicine services will include real-time patient consultations by examining physicians and nurses or therapists in conjunction with sleep specialists. Over 54,000 residents of these rural areas will benefit with enhanced care and reduced travel time.



2004 Grant Awards:

North Dakota Healthcare Foundation

Bismarck, North Dakota

\$395,747

Areas served: Bowman, Emmons, Foster, Grant, Griggs, McIntosh, McLean, Nelson, Ransom, Rollette, Trail, Walsh, Ward, West Stark Counties

Contact: Arnold Thomas, 701-224-9732

Congressional District(s): ND-At Large

The North Dakota Healthcare Association will establish Phase I of the Bio-Terrorism Wide Area Network. Rural North Dakota hospitals and communities will be served by the network. Critical coordinated communication needs in the event of a bio-terrorism and/or homeland security threat will be addressed. The total number of residents to be served is approximately 21,000.

2002 Awards:

Dakota Carrier Network; Fargo, North Dakota

\$4,924,455 Loan / \$492,545 Grant

Area(s) Served: All Counties

Contact: Mr. Evan Haas (701) 364-1314; Fax (701) 280-1166

District(s): At Large

The Dakota Carrier Network will use RUS funds to complete Phase 2 of the North Dakota State network which will make it possible to install network equipment in K -12 schools and libraries across the State. The vast country serviced by DCN includes over 63,000 square miles which translates to 90 percent of the total area of the State. The company currently services over 164,000 customers in 244 communities. The infrastructure to be built with these loan and grant funds includes the installation of additional ATM backbone switches to handle the load created by the addition of the schools and libraries. DCN intends to provide service that will benefit 207 schools and 26 libraries across the State.



2001 Grant Awards:

Langdon School District Foundation; Langdon, North Dakota

\$110,000 Grant

Area(s) Served: Cavalier and Langdon Counties

Contact: Mr. Charles Jordan; Phone: (701) 256-5291; Fax: (701) 256-2606

Congressional District: At-Large - ND

The Langdon School District Foundation will serve as the lead organization for the Rural Regional Distance Learning Consortium. The consortium members are the Langdon School District Foundation, Cavalier County Job Development Authority, Langdon North Dakota State University (NDSU) Research Extension Center and the Cavalier County Memorial Hospital. RUS funding will allow advanced and specialized classes to be available to students, continuing education courses for students and health care providers, video conferencing for meetings, and skills training for businesses. This project will provide the community with three distance learning sites located at the Langdon NDSU Research Extension Center (also the hub), the Langdon Area Public School, and the Cavalier County Memorial Hospital. The Langdon NDSU Research Extension Center will provide the connection to region, state, and global opportunities to bring together secondary education, higher education, agricultural research, local business and government to meet a changing need for this rural population of 143,464 residents.

Medcenter One Health Systems, Inc.

Bismarck, North Dakota

\$447,710 Grant

Area(s) Served: Bowman, Grant, and Sioux Counties

Contact: Ms. Carla A. Anderson; (701) 323-5616, Fax: (701) 323-5620

Congressional District(s): At Large.

Medcenter One Health Systems, Inc., will use RUS grants funds to implement a teleradiology network at three sites (Jacobson Memorial Hospital, Southwest Healthcare Services and Standing Rock Hospital) to provide telemedicine services for their home care systems and establish continuing education for health care providers. Rural hospitals as well as tertiary health care facilities have experienced substantial reduction in health care payments and closures of some hospitals. This telemedicine project will reduce rural health care professional isolation, improve and enhance the level of care and services available, reduce health care costs, and reduce patient and family travel time. In addition, health care professionals and services will be provided by the tertiary care facility 24 hours a day, 7 days a week. The project will benefit not only the area around the three counties in North Dakota where the principal sites are located, but also parts of northwestern South Dakota and eastern Montana.



West River Health Services; Hettinger; North Dakota

\$68,229 Grant

Area(s) Served: Buffalo, South Dakota and Hettinger County, North Dakota

Contact: Kaylene Erlenbusch; Phone: (701) 567-6186; FAX: (701) 567-6363

Congressional District(s): North Dakota and South Dakota

RUS funds will be used the West River Health Services to connect the Buffalo Clinic at Buffalo, South Dakota, to West River Regional Medical Center's information system. The Buffalo Clinic provides health care for 1,700 people in an exceptionally rural area. The nearest town is 40 miles away and the nearest full service hospital requires an 80-mile drive. In order to provide quality health care in a timely manner at the clinic, computerization and networking are needed. The project is two-part, with the first involving the purchasing of computer equipment to computerize the Buffalo Clinic. The second part is to provide an information system for the West River Nurse Corps. This rural home health service is a division of West River Regional Medical Center that provides health care to rural residents. A home health information and out-reach system is necessary to connect with the medical center to place information into the electronic medical records, obtain patient demographic information and provide billing for the home health visits. In order to achieve consistency in care delivery and accurate, timely clinical documentation, computer technology must be used by the nurses as they provide medical services on site in patients homes.

2000 Awards:

STANLEY SCHOOL DISTRICT, Stanley, North Dakota

\$102,494 Grant

Area(s) served: Burke, Mountrail, and Ward

Contact: Mr. Allen Burgad, (701) 628-3811; FAX: (701) 628-2279

Congressional Districts: At Large

Stanley School District proposes to offer distance learning facilities to four schools located in sparsely populated areas in the state of North Dakota. The four schools, including Stanley, will benefit by sharing subject area teaching resources as well as receiving educational content from upstream facilities, such as other high schools or institutions of higher learning. The project will enable students, teachers, and area residents to receive educational courses and training that would otherwise be unobtainable under the present circumstances



UNIVERSITY OF NORTH DAKOTA, Grand Forks, North Dakota

\$100,889 Grant

Area(s) served: North Dakota: Adams, Barnes, Bottineau, Cavalier, Griggs, Mercer, McLean, Pierce, Ramsey, Ransom, Rolette, Towner, Traill, Walsh, Wells, Williams; Minnesota: Clearwater, Polk, Roseau; South Dakota: Lincoln, Lake, Shannon, Spink; Montana: Powell, Dawson, Custer, Richland, Flathead

Contact: Mr. A Wayne Bruce, (701) 777-2634; FAX: (701) 777-3108

Congressional Districts: North Dakota: At Large, South Dakota: At Large, Minnesota: 7th, Montana: 2nd

This grant will provide educational and some medical video conferencing systems and a web server for clinical laboratory science students and employees through the Internet for four state regions (ND, SD, MT and MN) covering 30 different sites. This telemedicine project will provide physicians and health practitioners with accurate results of laboratory analysis. This project will also permit continuing education of health care professionals in laboratory medicine and testing methods. This helps attract and retain computer savvy health care workers. These better trained and equipped clinical laboratory students and future employees are also called to educate community members regarding their general health and care.

1999 Award:

MedCenter One, Inc.; Bismarck, North Dakota

\$300,000 Grant

Counties Served: Burleigh, Cass, Emmons, Foster, Grant, McIntosh, McKenzie, Sioux, and Stark.

Contact: Ms. Carla Anderson, (701) 323-5616; Fax (701) 323 5620

MedCenter One, Inc. (MCO) delivers health care to North Dakota rural citizens by way of high resolution, videoconferencing (telemedicine) equipment. This system is referred to as Dakota Telemedicine System (DTS) and operates in ten communities in North Dakota with established connections outside the system. Grant funds will enable MCO to expand DTS to reach any community that has videoconferencing, standards compliant equipment throughout the State, Nation and world. Grant funds will be used to purchase a speed conversion bridge that which allows all rural areas access to the system.



1998 Award:

Greater Barnes County (ITV) Consortium

\$144,015 Grant / \$168,605 Loan

Total: \$312,620

Location: Valley City, North Dakota

Area(s) served: Valley City, Barnes County

Contact Mr. Anneus Meester

Telephone Number: (701) 255-0256

Fax Number: (701) 845-0003

Congressional District: At Large

The Greater Barnes County (ITV) Consortium's seven end-user sites consist of (5) K-12 Schools, (1) Vo-Tech Center and (1) 4-year State University. These end user sites cover an area of approximately 2,076 square miles and they have a combined K-12 enrollment of 2,415 students. The Distance Learning System will employ FM-Analog Broadband technology which will enable the transport of audio, video, and high speed data simultaneously in order to accommodate an electronic classroom for a distance learning system. In addition, the system can be utilized as a LAN/WAN - Intranet/Internet which will support a high speed, highly interactive School Community based "Information/Communications Production Learning/Resource Center". The distance learning system will not only provide enhanced learning resources to the rural isolated communities, but also provide an opportunity for the end user site's businesses to conduct business on a global basis.

1995 Grant Award:

Medcenter One Health Systems, Inc.

Bismark

Three health care sites will be equipped with advanced telecommunications, including full motion, interactive video links. The sites will be capable of providing 24-hours a day emergency medical and trauma consulting, mental health services and educational programs.



1994 Grant Award:

West River Health Services

Name of Project: Teleradiology-Information Systems (TELIS) Link

Project Area: Southwestern North Dakota: Bowman, Adams, Hettinger and Slope Counties / Northwestern South Dakota: Perkins and Corson Counties

Situated over 500 miles to the nearest medical school and 185 north of the nearest metropolitan hospital,, West River Medical Center (WRMC) serves rural communities within a 15,000 square mile area. The TELIS project will establish, as the first phase of a comprehensive medical link system, a computer network link for radiological services and electronic patient information, Computer equipment, scanners, multiplexers and other digital accessories will be installed at 8 WRMC satellite rural clinics Teleradiology will be accomplished using standard telephones, modems and specialized computer software. Patients' medical records and other information related to medical procedures will be stored, transported and accessed through the digital network. In addition, several laptop computers will be used to transmit medical data from the home health nurse back to the hospital. A multi-tiered transmission pathway incorporating TI, 56 Kbs (switched 56), and an ISDN (Integrated Services Digital Network) protocol will be employed.

1993 Grant Award:

(1) University of North Dakota, School of Medicine

Grand Forks, Williston

A consortium of the 32 smallest hospitals in the state plans to establish a distance learning and telemedicine project to be known as MEDSTAR. It will connect hospitals, doctors, nurses and other rural health professionals via satellite communications.

(2) New Dimensions Information Authority

A four-county regional library system in the Northwest part of the state plans to develop a computer-based regional union library catalog. Computers and software would be purchased to access collections in 23 schools, three public.