



DLT Awards – Arizona

2008 Grant Awards

Bisbee Hospital Association

Arizona

\$184,822

Areas Served: Graham, Gila, Greenlee, Apache,

Contact: Mr. James J. Dickson

Telephone: 520-432-6400

Congressional District: Giffords, 8th

The Rural Development grant will fund computerized radiography equipment and install a PACS system in the Copper Queen Community Hospital located in Bisbee, Arizona. Telemedicine services will include EMR, teletrauma, and teledermatology between seven hub and end-user sites in rural Arizona.

Eastern Arizona College

Arizona, New Mexico

\$405,830

Areas Served: AZ: Graham, Gila, Greenlee, Apache, 1st Dist.

NM: Hildago, 2nd Dist.

Contact: Mr. Eldon Woodall

Telephone: (928) 428-8409

Congressional District: AZ: Kyl and McCain, NM: Domenici and Bingaman

2007 Grant Awards

Bisbee Hospital Association (dba) Copper Queen Community Hospital

Arizona

\$183,108

Areas Served: Cochise

Contact: Mr. James Dickson

Telephone: 520-432-6400

Fax: 520-432-1724

Congressional Districts: AZ – 08 Giffords

This telemedicine project will make telemonitoring homecare services available to rural residents of southeastern Arizona. The home monitoring equipment will provide patient biometric data to a newly designated, regional, critical access hospital. Video monitors



will be able to provide one-on-one diagnostic interviews as well as visual information about wounds and patient appearance.

Navajo Nation

Arizona, Utah

\$425,000

Areas Served: Apache, Coconino (part), Navajo (part); AZ – 2 Coconino (part), Navajo (part); UT-2 San Juan

Contact: Robert Nakai

Telephone: 928-871-6532

Fax: 928-871-6543

Congressional Districts: AZ-1 Renzi; AT-2 Franks; UT-2 Matheson

This project will serve 1400 citizens of the Navajo Nation plus the Hard Rock and Black Mesa Chapters. Currently the Navajo Nation serves 22,000 diabetic patients. The applicant seeks to provide diabetes control services via PDA devices which communicate with the Space Data SkySite wireless network. The area to be served is comprised of patients at least 45 miles from a health center or hospital. Many do not have any transportation because of the remoteness of the community and the severity of unimproved roads. A fundamental challenge in reaching many of the diabetic patients on the Navajo Nation is the remote geography and lack of telecommunications services.

Northern Arizona Area Health Education Center

Arizona

\$131,611

Areas Served: Apache, Coconino, Navajo

Contact: Mr. Sean Clendaniel

Telephone: 928-779-7245

Fax: 928-774-7066

Congressional Districts: AZ – 01 Renzi

This project has both distance learning and telemedicine components. The network will make it possible for rural health professionals and students to connect with academic institutions via video, audio and web technologies to meet required training objectives. The project will also offer telemedicine consulting opportunities in clinical pharmacy, behavioral health OB/GYN and pediatrics.

2006 Grant Awards

Community Healthcare Centers Collaborative Ventures (CHCCV)

Tucson, Arizona

\$451,141



Areas Served: Apache, Cochise, Coconino, Pima, Pinal, Maricopa, Mojave, Navajo
Contact: Mr. Glen T. Randolph
Telephone: 520-577-1933
Fax: 520-615-8168
Congressional Districts: AZ-01, 02, 03, 07, 08

Rural Development funds will be used to link residents in 22 rural communities with access to specialty care within their own communities. Clinical collaboratives will address chronic health issues such as diabetes, asthma, and hypertension. Continuing medical opportunities will also be provided through distance learning to staff. Overall 24 CHCCV clinics and health care centers will be able to collaborate, share resources, and expand health care opportunities to rural Arizona residents.

2005 Grant Awards:

La Paz Regional Hospital

Parker, AZ
\$458,061
Areas Served: La Paz County
Contact: M. Victoria Clark
Telephone: 928-669-7300
Fax: 928-669-7417
Congressional District: AZ-04, AZ-07

Teleradiology equipment including a Picture Archive and Communications System (PACS) unit and a Radiology Information System (RIS), will provide services to over 19,000 residents of rural Arizona.

2004 Grant Awards:

Arizona Western College

Yuma, Arizona
\$500,000
Areas served: La Paz, Yuma Counties
Contact: Tim Shove, 928-344-7659
Congressional District(s): AZ-07

To meet annually fluctuating health care needs of the two counties in the project area, Arizona Western College will use DLT funds to provide pre-requisite health science courses in the hard sciences to nursing program students. This project will ensure that students in the remote areas of the college's area will have an equal chance at enrolling in the nursing program. The college will expand an existing microwave interactive TV by equipping a classroom at a local hospital to offer the necessary courses.



2003 Grant Awards:

Arizona Western College; Yuma, AZ

\$487,978

Area(s) Served: Towns of Packer, Somerton, Gadsden, and Welton

Contact: Tim Shove (928) 344-7659; Fax: (928) 317-6012

Congressional District(s): 7th

Arizona Western College will use RUS grant funds to upgrade the existing distance education system and add additional equipment to provide educational services at Packer, Somerton, Gadsden, and Welton. The project will provide 2,550 rural residents and students access to higher education through the use of microwave-based interactive television and web-based services.

Tuba City Regional Health Care; Tuba City, AZ

\$191,500

Area(s) Served: Coconino County

Contact: Dr. Mark Carroll (928) 283-2501; Fax: (928) 283-2516

Congressional District(s): 1st 3rd

Tuba City Regional Health Care will utilize RUS grant funds in a telemedicine project designed to expand outreach health efforts into Chapter Houses by locating store-and-forward telemedicine carts and software developed and used by the Alaska Federal Health Care Access Network (AFHCAN). Carts will lower barriers to care, substitute telecommunications for travel, and allow the use of low-cost workers linked to licensed professionals. Carts will enable remote visits to clinics at any time freeing users from limited videoconferencing schedules.

2002 Grant Awards

Arizona Western College; Yuma, AZ

\$391,455 Grant

Area(s) Served: La Paz County Towns of Salome, Parker and Quartzite; Yuma County Towns of San Luis, Somerton, Wellton

Contact: Tim Shove (928) 344-7659; Fax: (928) 344-7730

Congressional District(s): Applicant: 2nd / Project: 2nd and 3rd

Arizona Western College will use RUS funds to improve the quality and capacity of existing technologies that deliver college level courses to the rural residents of Yuma and La Paz counties. The existing technologies employed by the college include: internet-based courses; an Interactive Television Network; and, an educational television station broadcasting to a 20-mile radius of the main college campus in Yuma. This grant will accomplish three major objectives. It will: 1) allow the college to convert from analog to digital signals improving the quality of the signals into homes and learning centers; 2)



expand tele-course offerings and provide cablecast service to the Town of Parker; and, 3) it will extend and expand web-based instructional programming. The project will provide learning opportunities to residents of this vast desert region that is plagued with high poverty levels, extraordinarily high unemployment rates and low levels of educational achievement. Benefiting from the grant will be 2,000 students and as many as 179,741 residents in the project service area.



2001 Grant Awards:

Central Arizona College; Coolidge, Arizona

\$130,100

Area(s) Served: Pinal County

Contact: Mr. Michael Cohen; (520) 976-1907; FAX: (520) 426-4408

Congressional Districts: 2th, 5th, and 6th

Central Arizona College intends to use RUS grant funds for a distance learning project to purchase the equipment necessary to convert signals to a digital format. Digital equipment will allow the college to continue offering classes via interactive video, audio, and computer to campuses of Central Arizona College at the Signal Peak, Aravaipa, and Superstition Mountain campuses. Additionally, a connection is planned for Apache Junction High School (with connections through them to rural schools in Gold Canyon). The goals of the project are to purchase and install digital encoding/decoding (CODEC) equipment to replace existing analog devices, purchase and install equipment to interface with common carrier digital transmission equipment, continue providing distance learning services at current remote campus locations, and expand distance learning operations to offer service to additional rural communities. The proposed system will convert the current antiquated analog system to digital transmission, improve reliability and quality, and add another site. A CODEC will be installed at each site for digital to analog/analog to digital conversion. Echo cancellation and feedback control will be installed and microphones upgraded. Lighting will be improved for teacher workstations. Interfaces will be installed to ensure a clean connection to the common carrier provider. The system will also include routers, servers, hubs, and Internet streaming equipment. This project will benefit the approximately 13,385 students enrolled in these schools and will also positively impact over 39,300 rural residents.

2000 Grant Awards

TOHONO O'ODHAM COMMUNITY COLLEGE

\$288,100 Grant

Area(s) served: Pima County

Contact: Mr. Ben Standifer, (520) 383-8401, FAX: (520) 383-8403

Congressional District: AZ 2nd

The Tohono O'odham Community College (TOCC) proposes to bring college courses from Pima College in Tucson to two new video conferencing training centers at its campus and also to distribute its own courses across the Reservation to 11 district sites and three area high schools. Library research services will be expanded and medical education will be offered, complementing the distance learning and training platforms. The TOCC distance learning network will build upon its current progress by providing an expanded curriculum in American Indian studies. It is anticipated that 350 to 500 students will benefit from the expanded curriculum. The network will also provide access and



shared resources in medical education to over 17,500 residents of the Reservation, especially in the area of how to manage diabetes.

1999 Award:

The University of Arizona, Arizona Board of Regents; Tucson, Arizona

Grant Amount: \$121,175

County Served: Navajo

Contact Person: Dr. Ronald S. Weinstein, (520) 626-4785; Fax (520) 626-1027

The University of Arizona College of Medicine, an educational institution and medical center, plans to provide telemedicine services to the Hopi Tribe community located on the Hopi Indian Reservation in Arizona. The proposed system will be a comprehensive video-conferencing and store and forward telemedicine system linking the Hopi Health Care Center (rural end-user) to the Arizona Telemedicine Program hub site at the University of Arizona College of Medicine. The Hopi Health Care Center will replace the Keams Canyon Indian Health Service Hospital, the hospital that presently serves the entire 1.6 million acre reservation. The Rural Utilities Service grant will help to address the Hopi Tribe community's needs by: (1) Providing a higher level of patient care in an ambulatory care setting; (2) Removing the current barriers to specialized medical care imposed by physical distance; and (3) Improving the quality of life by providing both the health care establishment and residents access to preventative care.

1998 Awards:

Arizona Board of Regents, University of Arizona

\$142,075 Grant

Location: Tucson, Arizona

Area(s) served: Navajo

Contact: Ronald S. Weinstein, MD

Telephone Number: (520) 626-6097

Fax Number: (520) 626-1027

Congressional District: 4th, 5th.

The University of Arizona College of Medicine, an educational institution and medical center, plans to provide the residents of the Whiteriver Community access to specialized health care due to having only one health care facility in their area. The Whiteriver Indian Health Service Hospital, which provides health care services to the entire 1.6 million acre reservation, is only equipped and staffed to provide primary health care. The RUS funding will be used to install a comprehensive video-conferencing and store-and-forward telemedicine system linking Whiteriver Hospital to the Arizona Telemedicine Program hub site at the University of Arizona College of Medicine. Through this



telemedicine link, the residents of Whiteriver will have access to over 270 specialists and sub-specialists.

Sells PHS Indian Hospital

\$280,900 Grant

Location: Sells Arizona

Area(s) served: Pima

Contact Dr. Paul Weintraub

Telephone Number: (520) 383-7210

Fax Number: (520) 383-7343

Congressional District: 2nd

The Sells PHS Indian Hospital (Sells Indian Hospital) is a 34-bed, acute care facility with inpatient units such as general medicine, pediatrics and obstetrics serving adult, adolescent, pediatric and geriatric Tohono O'odham and Pascua Yaqui community populations in Sells, Arizona. The purpose of the project is to design a telemedicine project utilizing teleradiology. With the addition of teleradiology, Sells Indian Hospital will be able to offer immediate radiological support from on-call Tucson radiologists, improve delivery of services such as cardiology, pediatrics and dermatology, expand educational opportunities for doctors and nurses through use of technology and promote use of state-of-the-art telecommunications services in rural areas. The Tohono O'odham Indian Nation has an impoverished local economy and a RUS grant award will offer dramatic hope for noticeable improvements to the critical health situation of high mortality rates and high incidence of treatable diseases such as diabetes. Over 17,000 Native American residents at Tohono will benefit immediately from the planned medical delivery improvements for the end user site's businesses to conduct business on a global basis.

1997 Awards:

Tohono O'odham Nation

Grant Award: \$154,045

Location: Sells, Arizona

Area(s) Served: Counties of Sells and Pima

Contact Person: Ms. Rosilda Manuel

Telephone Number: 520-383-2221

FAX Number : 520-383-2429

The Tohono O'odham Nation will use grant funds from RUS to form an interactive distance learning project for the purpose of improving education on Tohono O'odham Nation lands. The project will consist of the installation of a videoconferencing network at three high school sites on the reservation, two Bureau of Indian Affairs schools and a combination high school/middle school from a public school district. The distance learning network will provide for more collaborative teaching and eliminate



shortcomings from teacher and student isolation. Also, the multi-purpose use of the videoconferencing network includes adult education, teacher credential training, medical instruction, and public information. The entire Nation of 17,340 residents can potentially benefit.

1996 Grant Award:

Arizona Board of Regents University of Arizona

\$141,150

Location: Tuscon, Arizona

Contact Person: Dr. Ronald Weinstein

Phone Number: 520-626-4785

FAX: 520-626-1027

The rural town of Nogales, Arizona has long suffered from barriers to accessing health care services. For years Nogales has struggled to recruit and retain all levels for health care professionals and is formally designated as both a Medically Underserved Area and a Health Professional Shortage Area by the Arizona Department of Health Services. The University of Arizona College of Medicine will use RUS grant funds for telemedicine equipment to establish teleconsult and tediagnosics capability at Maricopa Community Health Center, the major provider of primary care in Nogales. Through this telemedicine network, residents of Nogales will have access to the College of Medicine's 2,709 specialists and sub-specialists. The system will also accommodate an array of tele-diagnostic services and be used to support local emergency room staff in handling emergency medical situations. Advanced telecommunications used to implement the telemedicine project will greatly improve the quality of Nogales residents lives through enhancements to their health care system.

1995 Grant Award:

Kayenta Unified School District 95

The digital interactive system will connect four K-12 schools to provide educational and medical services. Educational services will include tutoring, and courses for preschoolers, Head Start, university students, adults and literacy programs. Medical services will include health classes, physician-to-patient consultations and patient-to- patient consultations.