

Nemont Telephone Cooperative, Inc.

Ft. Peck Reservation FTTP

Last Mile

\$2,599,390 Loan

\$23,394,510 Grant

Nemont Telephone Cooperative, Inc., will deploy an FTTP network to the exchanges of Brockton, Frazer, Froid Rural, North Poplar, North Wolf Point, and Poplar in northeast Montana. The PFSA, entirely in the Ft. Peck Indian Reservation, includes the communities of Brockton, Frazer, Fort Kipp, Homestead, Lustre, Oswego, Poplar, and Volt. This service area is a remote, rural, underserved, and severely economically challenged area. The network will make services available to 3,279 premises. It will also connect 42 anchor institutions, of which 19 are tribal entities, 6 medical and healthcare centers, 7 educational institutions, 4 emergency services, 2 libraries, 11 government facilities, and 12 community support organizations. The project will provide up to 100 Mbps service to all locations and the future capability of up to 1 Gbps service at cost-effective pricing. The project will provide a 100 percent fiber-optic network using Calix GPON equipment. The project will create or save an estimated 283 jobs.

Project Telephone Company

Crow Agency/Lodge Grass FTTP

Last Mile

\$3,887,370 Loan

\$11,662,109 Grant

Project Telephone Company will provide FTTP to all locations within the Crow Reservation exchanges of Crow Agency and Lodge Grass, where more than 50 percent of the locations do not have access to 5 Mbps (upstream and downstream combined). This project will also bring FTTP to all anchor institutions, including the headquarters of the Crow Tribe in Crow Agency. The service will be accessible by each location and delivered by GPON and/or active Ethernet topologies. The network will make services available to 1,495 households, 191 businesses, and 26 anchor institutions. The project will create or save an estimated 169 jobs.

Project Telephone Company

Scott St. Pryor Middle Mile

Middle Mile

\$962,672 Loan

\$2,888,015 Grant

Project Telephone Company will create a fiber-optic transport network that connects the Crow Indian Reservation communities of Fort Smith, Pryor, and Saint Xavier to existing fiber-transport networks in Lockwood, near Billings. This project will also bring FTTP-type services to 26 anchor institutions, including tribal, State, and Federal entities. The infrastructure will allow Project Telephone to link to other backbone providers. This project will promote rural economic development and provide interconnection points to underserved areas. It will also stimulate broadband growth by providing interoffice transport, backhaul, Internet connectivity, and/or special access using fiber. This redundant network is vital in the event of a network outage, such as a fiber cut, in order to keep critical services like public safety operational. The network will make services available to 1,765 households and 493 businesses. The project will create or save 42 jobs.

Reservation Telephone Cooperative

Last Mile Broadband to Rural ND and MT

Last Mile Non-remote

\$2,190,000 Loan

\$2,190,000 Grant

Reservation Telephone Cooperative will deploy FTTH technology to bring affordable and reliable broadband access and video service to underserved rural areas in western North Dakota and eastern Montana communities in and around the Fort Berthold Indian Reservation. These areas include the remote Squaw Gap service area and the partially remote Mandaree, New Town, Parshall, and Roseglen service areas. The network will make services available to 281 households, 8 businesses, and 4 anchor institutions. The project will create or save eight jobs.

NEBRASKA

Peetz Cooperative Telephone Co.

Peetz Last Mile

Last Mile Remote

\$756,925 Grant

Peetz Cooperative Telephone Co., will deploy broadband infrastructure in and around the Peetz community using a combination of technologies. Anchor institutions within the community will have the connectivity necessary for distance learning and public safety applications. The network will make services available to 254 households, 15 businesses, and 6 anchor institutions. The project will create or save five jobs.

Southeast Nebraska Communications, Inc.

Southeast Nebraska Communications Rural FTTH

Last Mile

\$3,396,895 Loan

\$7,888,472 Grant

Southeast Nebraska Communications, Inc. (SNC) will upgrade its network to alleviate a last-mile bottleneck in its service area in Nebraska and Kansas. The current technology limits average customer throughput and is distance sensitive, which results in the most rural subscribers having less bandwidth access than those closer to town. The PFSA for this project is SNC's entire certificated telephone company service territory. The network will make services available to 1,215 households, 51 businesses, and 22 anchor institutions. The project will upgrade these areas from copper-based facilities and technologies to FTTH and will offer broadband service speeds of a minimum of 3 Mbps downstream and a minimum of 1 Mbps upstream. The FTTH equipment will be standards-based active Ethernet. The project will create or save nine jobs.

NEVADA

Arizona Nevada Tower Corporation

Central Nevada Community Anchor Wireless Backhaul Solution

Middle Mile

\$2,276,650 Loan

\$5,312,182 Grant

Arizona Nevada Tower Corporation will provide middle-mile broadband to enhance existing but limited fiber-optic cable and provide transport where fiber-optic cable is unavailable by using LTE/WiMAX-ready technology. This project will provide microwave radio backbone and a middle-mile system to provide significant bandwidth in 15 areas of Nevada and California. The network will make services available to 12,933 households, 3,422 businesses, and 186 anchor institutions. The project will create or save eight jobs.

KeyOn Communications, Inc.

KeyOn WiMAX Nevada

Last Mile

\$3,054,989 Loan

\$7,106,233 Grant

KeyOn Communications, Inc., will offer 4G last-mile wireless broadband and VoIP in 39 of the most rural communities in Nevada. Using KeyOn's nationwide 3.65 GHz license and the standards-based WiMAX protocol, the network will offer broadband service speeds of up to 8 Mbps. The network will make services available to 37,569 households, 5,522 businesses, and 849 anchor institutions. The project will create or save 30 jobs.

Reno-Sparks Indian Colony, Inc.

Hungry Valley Broadband Initiative

Last Mile

\$400,000 Grant

Reno-Sparks Indian Colony, Inc., will offer wireless broadband service speeds at a minimum of 5 Mbps to communities in a rural reservation in Hungry Valley. The network will make services available to 162 households, 1 business, and 4 anchor institutions. The project will create or save one job.

Rural Telephone Company

North Fork, Tuscarora, and Jarbidge Service Area Broadband Service Implementation

Last Mile

\$728,700 Loan

\$1,700,300 Grant

Rural Telephone Company will extend ADSL2+ high-speed broadband service to existing and new customers in the Jarbidge, North Fork, and Tuscarora service areas. The network will make services available to 272 households, 104 businesses, and 10 anchor institutions. The project will create or save two jobs.

NEW HAMPSHIRE

Bretton Woods Telephone Company, Inc.

Last Mile Remote Area - Bretton Woods, NH

Last Mile Remote

\$985,000 Grant

The Bretton Woods area lacks broadband service sufficient for the community's needs and commercial applications. Bretton Woods FTTP will provide nearly 40 times faster service than is currently available. Tourism is the primary industry supporting jobs and economic development in the region and broadband access will help keep this industry strong. The network will make services available to 386 households, 19 businesses, and 6 anchor institutions. The project will create or save 11 jobs.

Kearsarge Telephone Company

Kearsarge Telephone Company: Broadband Project to Serve Rural Unserved Establishments

Last Mile

\$372,532 Grant

Kearsarge Telephone Company (Kearsarge Tel), a subsidiary of TDS Telecom, will provide high-speed broadband service to unserved premises in its rural New Hampshire service territory. The project will serve three rural PFSA's. These PFSA's have 116 premises (107 households and 9 businesses) with no access to broadband service. Kearsarge Tel is the State-certified ILEC in New Hampshire. The network will deploy Ethernet-over-copper technology, provide VDSL2 access devices packaged in an FTTH configuration, upgrade access in the central office to support the extension of the broadband networks to these remote areas, use PON FTTH where economically feasible, and allow for future PON upgrades without needing to rebuild the transport routes. The target speed is 20 Mbps (upstream and downstream combined) or more DSL service. The project will create or save 10 jobs.

Merrimack County Telephone Company

Merrimack County Telephone Company: Broadband Project to Serve Rural Unserved Establishments

Last Mile

\$2,021,197 Grant

Merrimack County Telephone Company (Merrimack County Tel), a subsidiary of TDS Telecom, will provide high-speed broadband service to unserved premises in its rural New Hampshire service territory. The project will serve eight rural PFSA's with five communities. These PFSA's have 832 premises (770 households and 62 businesses) with no access to broadband service. Merrimack County Tel is the State-certified ILEC in New Hampshire. The network will deploy Ethernet-over-copper technology, provide VDSL2 access devices packaged in an FTTH configuration, upgrade access in the central office to support the extension of the broadband networks to these remote areas, use PON FTTH where economically feasible, and allow for future PON upgrades without needing to rebuild the transport routes. The target speed is 20 Mbps (upstream and downstream combined) or more DSL service. The project will create or save 53 jobs.

NEW MEXICO

Baca Valley Telephone Company, Inc.

Baca Valley Telephone Last Mile DSL Project

Last Mile Non-remote

\$1,651,000 Loan

\$1,586,000 Grant

Baca Valley Telephone Company, Inc., will deploy a fiber-optic last-mile access system to provide ADSL2+ broadband service to households and businesses in two separate PFSA's located in northeast New Mexico. This project will serve subscribers located in Union and Colfax counties, and consists of two service areas: Des Moines and Maxwell. The network will make services available to 373 households, 71 businesses and rural establishments (including farms and ranches), and 20 anchor institutions. The project will create or save 10 jobs.

Dell Telephone Cooperative, Inc.

Dell Telephone Last-Mile DSL project

Last Mile

\$435,500 Grant

Dell Telephone Cooperative, Inc., will provide high-speed broadband access to subscribers in Bug Scuffle. This rural PFSA is a residential community in southeast New Mexico. The network expansion will use copper-based ADSL2+ technology to provide broadband data and voice service to the 44 households in the PFSA. The project will replace existing legacy Tellabs DLC equipment with next-generation, fiber-fed Occam BLC equipment that is capable of providing service speeds of 4.5 Mbps downstream and 768 Kbps upstream. The project will create or save 18 jobs.

Kit Carson Electric Education Foundation, Inc.

Kit Carson Electric Cooperative Fiber-to-the-Home Project

Last Mile

\$19,130,601 Loan

\$44,638,070 Grant

Kit Carson Electric Cooperative (KCEC) will build an open-access FTTH fiber-optic network in the unserved and underserved counties of Colfax, Rio Arriba, and Taos in northern New Mexico. Two of the counties are among New Mexico's 12 designated persistent poverty counties. The PFSA's include 29 communities comprising an estimated 20,458 households, 3,647 businesses, 183 anchor institutions, and 2 Native American pueblos in a 2,951-square-mile rural underserved area. The network spans 2,400 miles. KCEC will build and operate an FTTH network capable of at least 100 Mbps for residential service and 1 Gbps broadband service for anchor institutions. KCEC will use this project to build an FTTH network along the existing electric distribution right-of-way to enable smart grid/green grid technologies. The smart-grid functionality can handle intermittent power from renewable energy sources and help customers track and manage their real-time energy consumption. The fiber network will provide the backbone for deploying smart meters at residential and commercial sites so consumers can use broadband to set up home area networks capable of supporting smart appliances and time-shifting peak-demand strategies. The investment in the fiber network will be leveraged to tie together regional power substations and the operations center. KCEC is also working with the Taos Pueblo tribal government to build fiber into that community to provide affordable broadband access for tribal anchors and members. The project will create or save an estimated 333 jobs.

Deposit Telephone Company, Inc.

Deposit Telephone Company, Inc.: Broadband Project to Serve Rural Unserved Establishments

Last Mile

\$3,018,085 Grant

Deposit Telephone Company, Inc. (Deposit Tel), a subsidiary of TDS Telecom, will bring high-speed broadband service to unserved premises in Deposit Tel's rural franchise service territory. Deposit Tel is the State-certified ILEC in New York. The project will serve six PFSAs in its franchised service territory, which is 100 percent rural and includes six communities. These PFSAs have 1,140 premises (1,069 households and 71 businesses) that have no access to broadband service. Deposit Tel has built a broadband network that is capable of serving the majority of these premises in several of the core communities, but the surrounding area, much of which is sparsely populated, lacks broadband access due to the high cost of building such a network. In addition, facilities-based terrestrial broadband service is unavailable to the premises in the PFSAs. This project will bring access to high-speed broadband service (20 Mbps upstream and downstream combined). The network is also engineered so that it can be easily upgraded at a reasonable cost to meet future needs. The project will create or save 80 jobs.

Mid-Hudson Cablevision, Inc.

Last-Mile High Speed Broadband in Greene and Columbia Counties

Last Mile

\$2,987,570 Grant

Mid-Hudson Cablevision, Inc., will provide high-speed broadband access to seven unserved and underserved PFSAs in the Hudson Valley and Catskill Mountain region between New York City and Albany. The network will make services available to 7,186 households, 2,586 businesses, and 97 anchor institutions and will complete part of the region's 911 public safety infrastructure. The last-mile extensions will require construction of 135 linear miles of FTTH on existing utility poles and connection for a network of five fire towers. Another 341-square-mile area will be reached by deploying 16 transmitting sites for wireless. The PFSAs also cover four underserved communities, including Greene County. Mid-Hudson will deploy more than 16 transmitting sites using Motorola Canopy equipment to provide access speeds of 10 Mbps in line-of-sight areas and 4 Mbps in dense foliage. The project will create or save 59 jobs.

Port Byron Telephone Company, Inc.

Port Byron Telephone Company: Broadband Project to Serve Rural Unserved Establishments

Last Mile

\$639,218 Grant

Port Byron Telephone Company, Inc. (Port Byron Tel), a subsidiary of TDS Telecom, will bring high-speed broadband service to unserved premises in Port Byron Tel's rural franchise service territory. Port Byron Tel is the State-certified ILEC in New York. The project is designed to serve three PFSAs in its franchised service territory, which is 100 percent rural and includes two communities. These PFSAs have 166 premises (160 households and 6 businesses) that have no access to broadband service. Port Byron Tel has built a broadband network that is capable of serving the majority of these premises in several of the core communities, but the surrounding area, which is sparsely populated, lacks broadband access due to the high cost of building such a network. In addition, facilities-based terrestrial broadband service is unavailable to the premises in the PFSAs. This project will provide access to high-speed broadband service (20 Mbps upstream and downstream combined). The network is also engineered so that it can be easily upgraded at a reasonable cost to meet future needs. The project will create or save 17 jobs.

St. Regis Mohawk Tribe

St. Regis Mohawk Tribe Connect (Economic Development for the 21st Century)

Last Mile

\$528,125 Loan

\$10,034,392 Grant

The St. Regis Mohawk Tribe will bring a last-mile fiber-optic network to its tribal lands in north-central New York. This project will link 68 miles of fiber network to the Open Access Telecommunications Network of the Development Authority of North Country, to ION Incorporated Network, and to Nicholville's network. The network will make services available to 1,500 households, 200 businesses, and 42 anchor institutions. The project will create or save an estimated 784 jobs.

Slic Network Solutions, Inc.
Franklin County, NY, Broadband Initiative
Last Mile Remote
\$1,066,000 Loan
\$4,262,642 Grant

Slic Network Solutions, Inc., will construct 136 miles of fiber-optic cable to deliver advanced broadband service in western Franklin County. The network will provide voice and IPTV services over the same facilities. The network will make services available to 6,508 households, 29 businesses, and 10 anchor institutions. The project will create or save 10 jobs.

Slic Network Solutions, Inc.
St. Lawrence Broadband Initiative
Last Mile
\$6,958,193 Loan
\$20,874,574 Grant

Slic Network Solutions, Inc., will construct 660 miles of fiber-optic cable in 10 PFSA's to make services available to 5,856 households, 112 businesses, and 30 anchor institutions in St. Lawrence County. The PFSA's can be separated into two groups: the northern and southern serving areas. The northern group consists of Flackville, Knapps Station, Pierrepont, Slab City-Crary Mills, Southville, and St. Lawrence North. These service areas in the northern part of the county cover 414 square miles of primarily agricultural areas. The southern group includes communities along the New York State Route 3 corridor, including Star Lake, Wanakena, Cranberry Lake, and Piercefield, which are in the towns of Fine, Clifton, and Piercefield. All have been chronically unserved because of their isolated location in the foothills of the Adirondacks. Broadband service is currently unavailable to the residents of these communities. Slic Network Solutions will deploy a 100 percent fiber-optic network using Occam GPON equipment. The company will use infrastructure obtained through its round one BIP award. The project will create or save 67 jobs.

Windstream Corporation
Windstream New York, Inc. 26
Last Mile
\$855,901 Grant

Windstream Corporation will offer broadband service speeds of up to 12 Mbps in Clymer, Columbus, Ellery, French Creek, Mina, and Sherman by deploying industry-standard DSLAMs with ADSL2+. The network will make services available to 571 households, 8 businesses, and 8 anchor institutions. The project will create or save 53 jobs.

NORTH CAROLINA

Atlantic Telephone Membership Corporation
Columbus County ACCESS (Advanced Connectivity for Communities, Education, Safety and Support)
Last Mile
\$4,801,025 Loan
\$11,202,393 Grant

Atlantic Telephone Membership Corporation (ATMC) will implement the Columbus County ACCESS project to deploy FTTH to all premises in the PFSA. The project will serve a rural, 185-square-mile area near the eastern boundary of Columbus and Brunswick counties in the southeastern part of the State. The network will make services available to 3,641 households, 274 small businesses, and 35 anchor institutions to provide them with access to high-speed broadband service with speeds from 1.5 Mbps to 5.0 Mbps. The project will leverage ATMC's existing 10 GigE core backbone, backhaul, and IP connections through interconnection to a GigE fiber ring to be deployed in the PFSA. The FTTP network will use GPON network gear. The project will create or save 87 jobs.

Country Cablevision, Inc.
Yancey Mitchell Rural Broadband
Last Mile
\$6,324,250 Loan
\$18,972,750 Grant

Country Cablevision, Inc., will deliver digital TV, data, and VoIP to all customers in Mitchell and Yancey counties. The PFSAs lie in the Appalachian Mountains of western North Carolina, bordering the Tennessee line. The project will install an FTTH broadband system delivering RFoG. The project will update and expand the company's operating system to enable high-speed broadband access at speeds of up to 20 Mbps to make services available to 14,029 households, 1,963 businesses, and 123 anchor institutions. The project will create or save 22 jobs.

French Broad Electric Membership Corporation
French Broad Electric BPL Project
Last Mile
\$621,492 Loan
\$1,154,200 Grant

French Broad Electric Membership Corporation (FBEMC) will provide broadband Internet access to Beech Glenn, Laurel, and Spring Creek, and the areas of Marshall and Mars Hill. The technology used in this project includes fiber-optic communications as the middle-mile backhaul link and BPL as the last-mile medium to provide service to subscribers. FBEMC chose this technological combination because it can use existing infrastructure to deploy the system and minimize project cost. The network will make services available to 1,016 households, 699 businesses, and 6 anchor institutions. The project will create or save 33 jobs.

Lumbee River Electric Membership Corporation
Lumbee River EMC Broadband Economic
Development Initiative
Last Mile
\$4,986,935 Loan
\$14,960,804 Grant

Lumbee River Electric Membership Corporation will provide high-speed broadband access in southern North Carolina. The project will offer voice, video, and data services on an active GPON network using fiber-optic cable and passive and active components. The FTTH last-mile project will provide broadband service speeds of 100 Mbps or higher and will make services available to 11,384 households, 1,634 businesses, and 95 anchor institutions. The company will own and operate the fiber network while partnering with Innovative Communications, Inc., to provide all customer service functions. The project will create or save 51 jobs.

Skyline Telephone Membership Corporation
High Country Fiber
Last Mile
\$7,739,073 Loan
\$18,057,838 Grant

Skyline Telephone Membership Corporation will substantially expand the provision of advanced FTTH services via a fiber-optic network with combined speeds exceeding 20 Mbps to 6,019 households, 521 businesses, and 84 anchor institutions in Alleghany and Ashe counties in rural northwestern North Carolina. The project will create or save 85 jobs.

Tri-County Telephone Membership Corporation
TriCounty Telecom FTTP Project
Last Mile
\$3,536,805 Loan
\$10,610,410 Grant

Tri-County Telephone Membership Corporation will offer broadband service using FTTP technology in northeast Beaufort County and parts of Hyde and Washington counties. This project will deploy a GPON network with the inherent capability to deliver broadband service speeds of 80 Mbps. The network will make services available to 4,312 households, 889 businesses, and 32 anchor institutions. The project will create or save 77 jobs.

Utopian Wireless Corporation
Utopian Riegelwood WiMAX Project
Last Mile
\$115,249 Loan
\$345,744 Grant

The Utopian Riegelwood WiMAX project will make available advanced 4G wireless broadband service to underserved communities in and around Riegelwood. The rural PFSA includes part of Columbus County, and covers an estimated 1,255 households, 452 businesses, and 32 anchor institutions. Using 2.5 GHz spectrum, Utopian will deploy a broadband wireless system that features Motorola Mobile WiMAX technology. The project will create or save 10 jobs.

Wilkes Telecommunications, Inc.
Wilkes Stimulus Project
Last Mile
\$6,483,300 Loan
\$15,127,700 Grant

Wilkes Telephone Membership Corporation, Inc., will provide last-mile, high-speed broadband to rural portions of Wilkes County in 10 underserved PFSAs. The PFSAs comprise 630 square miles. The fiber-optic upgrade will provide higher speed broadband service to many households, businesses, and anchor institutions, plus voice and video services. The network will make services available to 3,680 households, 3,358 businesses, and 45 anchor institutions. The project will create or save 160 jobs.

Yadkin Valley Telephone Membership Corporation
Yadkin Valley Rural FTTH
Last Mile
\$10,834,116 Loan
\$10,834,116 Grant

Yadkin Valley Telephone Membership Corporation will deploy 496 miles of high-capacity, last-mile FTTH service in rural North Carolina. The seven PFSAs comprise small, sparsely populated communities with no high-speed access that are in critical need of sustained economic development and support for anchor institutions. The network will make services available to 5,121 households, 606 businesses, and 56 anchor institutions. The project will deploy GPON FTTH to provide 65 Mbps of bandwidth per premise, with up to 1 Gbps of Ethernet service. The area has the potential to become a medical records processing hub. The project will create or save 57 jobs.

NORTH DAKOTA

BEK Communications Cooperative
Rural Burleigh County, ND, FTTP
Last Mile Non-remote
\$2,016,571 Loan
\$1,986,473 Grant

BEK Communications Cooperative will deploy last-mile technology to provide FTTP broadband service to underserved homes and anchor institutions in rural Burleigh County. This will aid business growth and support public safety facilities in rural areas. The network will make services available to 542 households and 2 anchor institutions. The project will create or save nine jobs.

Consolidated Enterprises, Inc.
CEI Broadband Infrastructure Project
Last Mile
\$5,782,361 Loan
\$5,782,361 Grant

Consolidated Enterprises, Inc. (CEI) will serve two PFSAs in rural Belfield and Dickinson, western North Dakota. The project is an FTTH expansion to CEI's existing fixed-wireless data system in those areas. CEI will build fiber to the least populated areas of those communities where it has been cost-prohibitive to deploy FTTH and DSL. CEI will build out its facilities to make services available to 1,421 households in the PFSAs and 231 businesses and will provide voice and video, as well as data services at speeds of up to 100 Mbps. The project will create or save 25 jobs.

Dakota Central Telecom I – Streeter and Gackle
Dakota Central Telecom I – Streeter and Gackle
Last Mile Remote
\$2,252,250 Grant

Dakota Central Telecom I will provide FTTP broadband service to households, businesses, and anchor institutions in portions of the Streeter and Gackle exchanges that are remote, rural, and unserved. The network will make services available to 221 households, 5 businesses, and 4 anchor institutions. The project will create or save nine jobs.

Griggs County Telephone Co.
Griggs County/Moore & Liberty Broadband Development
Last Mile
\$5,524,010 Loan
\$16,572,031 Grant

Griggs County Telephone Co. will provide last-mile FTTH technology for broadband access and voice, video, and data services to underserved rural areas in eastern North Dakota. The area is a designated Griggs-Steele Empowerment Zone because of the out-migration, poverty, and unemployment rates. This project will build facilities to extend video and data services at speeds of up to 100 Mbps. The two Griggs County PFSAs encompass four communities and portions of five rural counties. Griggs County will also provide service to the rural portions of two exchanges in other counties. The Moore & Liberty PFSA includes two communities and portions of three counties. The network will make services available to 1,787 households, 406 businesses, and 17 anchor institutions. The project will create or save 248 jobs.

Halstad Telephone Company
HTC Hillsboro ND Rural FTTP
Last Mile Non-remote
\$2,027,600 Loan
\$2,027,600 Grant

The Halstad Telephone Company will deploy FTTP broadband Internet and video service to 410 locations in rural Hillsboro, North Dakota, utilizing 283 miles of fiber-optic cable and providing those locations with a broadband capability of 100 Mbps. The network will make services available to 399 households, 10 businesses, and 1 anchor institution. The project will create or save one job.

Halstad Telephone Company
HTC Hillsboro ND Town Broadband
Last Mile Non-remote
\$246,500 Loan
\$246,500 Grant

The Halstad Telephone Company project will install electronic enhancements to existing DSL service to increase broadband capability to 100 Mbps for Internet and video service in the town of Hillsboro, North Dakota. The network will make services available to 736 households, 75 businesses, and 25 anchor institutions. The project will create or save three jobs.

Inter-Community Telephone Company, Inc.
ICTC FTTH Upgrade
Last Mile
\$713,289 Loan
\$1,625,362 Grant

Inter-Community Telephone Company, a local exchange carrier based in Nome, will implement a last-mile fiber project to make broadband available in three small, underserved rural communities—Hope, Sanborn, and Tower City—in the counties of Barnes, Cass, and Steele, respectively, in east-central North Dakota. The network will make services available to an estimated 412 premises. This project includes improvement and connectivity for businesses and anchor institutions. The project will implement broadband through FTTH with speeds of up to 100 Mbps. The project will create or save 32 jobs.

Red River Rural Telephone Association, Inc.
RRT FTTP Broadband Upgrade Rural MN, ND, and SD Exchanges
Last Mile
\$4,362,450 Loan
\$4,362,450 Grant

Red River Rural Telephone Association, Inc., will offer FTTP broadband service speeds of up to 100 Mbps. The project will install 690 miles of fiber-optic cable to serve six rural exchanges in Ransom, Richland, and Sargent counties in North Dakota, as well as Wilkin County in Minnesota, and Marshall and Roberts counties in South Dakota. The network will make services available to 996 households, 219 businesses, and 6 anchor institutions. The project will create or save 106 jobs.

Reservation Telephone Cooperative

Last Mile Broadband to Rural ND and MT

Last Mile Non-remote

\$8,760,000 Loan

\$8,760,000 Grant

Reservation Telephone Cooperative will deploy FTTH technology to bring affordable and reliable broadband access and video service to underserved rural areas in western North Dakota and eastern Montana, including the Fort Berthold Indian Reservation. These areas include the Squaw Gap service area and the Mandaree, New Town, Parshall, and Roseglen service areas. The network will make services available to 1,124 households, 31 businesses, and 18 anchor institutions. The project will create or save 33 jobs.

SRT Communications, Inc.

FTTP for the Rural North Dakota Community of Metigoshe

Last Mile

\$2,214,758 Loan

\$2,214,758 Grant

SRT Communications, Inc., will provide broadband to subscribers served by the Metigoshe exchange. The project will provide broadband service to towns and rural subscribers within the PFSA. Utilizing fiber-optic cable, the project will allow SRT to provide more than 20 Mbps broadband access to 445 households, 2 businesses, and 218 anchor institutions. The project will create or save 72 jobs.

OHIO

Benton Ridge Telephone Company

Benton Ridge Telephone Company Broadband Expansion Project - Benton Ridge

Last Mile Non-remote

\$1,611,124 Loan

\$1,547,942 Grant

The Benton Ridge Telephone Company will deploy an FTTH system in the Benton Ridge exchange of south central Ohio. The system will provide a dedicated fiber-optic connection for each customer. The network will make services available to 510 households, 19 businesses, and 1 anchor institution. The project is expected to create or save 34 jobs.

Consolidated Electric Cooperative, Inc.

North Central Ohio Rural Fiber Optic Network

Middle Mile

\$1,399,499 Loan

\$1,034,413 Grant

Consolidated Electric Cooperative, Inc., will construct an open-connectivity fiber-optic backbone network. This middle-mile project is integral to a smart grid initiative and broadband service that will bring urban connectivity to rural Ohio. The network will make services available to 35,708 households, 2,002 businesses, and 49 anchor institutions.

Hometown Cable Company, LLC

Unincorporated Areas of Darke/Preble County Network

Last Mile

\$2,359,926 Loan

\$2,267,380 Grant

Hometown Cable Company, LLC will deploy a wireless wide area network with fixed and mobile broadband service throughout Darke and Preble counties. The network will make services available to 19,664 households, 522 businesses, and 206 anchor institutions. The project will create or save 31 jobs.

Intelliwave, LLC

The Athens, Fairfield, and Pickaway County, Ohio, Rural Broadband Initiative

Last Mile Non-remote

\$1,162,599 Loan

\$1,116,997 Grant

Intelliwave, LLC will leverage Recovery Act funds to deliver wireless broadband and VoIP phone service to underserved rural communities in Athens, Fairfield, and Pickaway counties. The network will make services available to 11,428 households, 431 businesses, and 73 anchor institutions. The project will create or save seven jobs.

Nelsonville TV Cable, Inc.
Nelsonville TV Cable HFC Broadband Addition
Last Mile
\$1,391,452 Loan
\$3,246,721 Grant

Nelsonville TV Cable, Inc., will expand its HFC broadband to reach approximately 1,500 unserved rural homes in a persistent poverty area of southeastern Ohio. The project will expand the company's network into 14 unserved, noncontiguous, and isolated communities. The PFSA's range from less than 1 square mile up to 12 square miles each. The PFSA's include parts of 10 communities in 3 counties. The network will pass 1,461 households, 3,295 businesses, and 44 anchor institutions. The project will add a digital HFC network that provides high-speed Internet access speeds of 5.5 Mbps downstream and 650 Kbps upstream. The project will expand the network from its head-end to area nodes, requiring new equipment in addition to 120 new miles of fiber and 80 miles of coax cable. The new cable will be 100 percent aerial, using existing rights-of-way and utility poles. The project will create or save 20 jobs.

New Era Broadband, LLC
Meigs County Broadband Infrastructure Project for
Advancement of Rural Economic Development
Last Mile
\$738,733 Loan
\$2,216,196 Grant

New Era Broadband, LLC will provide last-mile infrastructure to provide fixed P2MP wireless broadband service in Meigs County in Appalachia. Forty-four percent of the households in the State that are unserved by broadband are in Appalachian Ohio, which is a contributing factor in the ranking of Meigs County as one of the five poorest counties in the State. The project will provide broadband Internet service to a PFSA of approximately 266 square miles, comprising 3,386 unserved households, 165 unserved businesses, and 6 unserved anchor institutions. New Era will offer wireless broadband and VoIP, with minimum network speeds of 768 Kbps downstream and 200 Kbps upstream, as well as 3 Mbps combined speeds in qualified areas. The project will create or save 200 jobs.

Southern Ohio Communication Services, Inc.
Southern Ohio Underserved Rural Broadband Build
Last Mile
\$738,705 Loan
\$709,736 Grant

Southern Ohio Communication Services, Inc., will build a project in Appalachia. It will make broadband Internet and VoIP services available to 6,126 premises, the majority of which have no broadband service available. Adams and Pike counties will be served. In addition, the project will offer 3 Mbps upstream and 2 Mbps downstream service to the entire population in the company's service areas. The company will offer voice services through a wireless signal along with broadband data service to residential, business, and anchor institution customers. The company will add tower locations to the current network and upgrade some backhaul links to higher capacity service. The project will create or save 400 jobs.

Sycamore Telephone Company, Inc.
Sycamore FTTH
Last Mile
\$1,452,310 Loan
\$2,697,145 Grant

Sycamore Telephone Company, Inc., will build a fiber network in a rural PFSA to provide high-speed Internet service in the community of Sycamore Village and the villages of McCutchenville and Melmore. The technology will be over dark fiber to households and splitters will be in the central and two remote offices to implement GPON technology. The remaining remote locations will be upgraded with fiber feeds to allow bandwidth upgrade to GigE. This will provide DSL speeds from 8 to 20 Mbps. The project will serve 1,769 households, 450 businesses, and 14 anchor institutions. In the areas outside the villages, fiber will be placed to the existing DSL terminals, allowing the company to provide broadband speeds of over 5 Mbps to the subscribers throughout its exchange. The project will create or save 24 jobs.

Utopian Wireless Corporation
Utopian Kinsman WiMAX Project

Last Mile
\$348,926 Loan
\$1,046,778 Grant

The Utopian Kinsman WiMAX project will make available advanced 4G wireless broadband service to underserved communities in and around the Kinsman area. The rural PFSA covers approximately 2,909 households, 543 businesses, and 27 anchor institutions. Using licensed 2.5 GHz spectrum, Utopian will deploy a broadband wireless system that features Motorola Mobile WiMAX technology. The system solution includes WiMAX access points, wireless and wired backhaul, ASN-GW, CSN, and an IP core that supports authentication and routing of traffic to application servers and the Internet. The project will create or save 12 jobs.

Wabash Mutual Telephone Company
Wabash Mutual Telephone Company, Fort Recovery Area FTTH Project

Last Mile Non-remote
\$2,201,042 Loan
\$2,174,787 Grant

The Wabash Mutual Telephone Company will install an optical fiber network in its service area and will provide an advanced technology, allowing digital television, high-speed Internet at speeds in excess of 3 Mbps, and telephone services. The network will make services available to 938 households, 103 businesses, and 7 anchor institutions. The project will create or save six jobs.

OKLAHOMA

Atlink
Last Mile Broadband Infrastructure for Unserved, Rural Oklahoma Communities

Last Mile
\$2,649,681 Loan
\$5,897,676 Grant

Atlink will connect 14 Oklahoma towns that are chronically unserved and suffering from persistent poverty and unemployment. The project will deliver advanced tornado warnings and provide options for Federal and State assistance. The project includes infrastructure for high-speed access up to 10 Mbps to 1,660 households, 1,404 businesses, and 6 anchor institutions. The project will deploy a wireless architecture using equipment in multiple frequencies to reach the maximum number of unserved households. The project is expected to create or save 53 jobs.

Cimarron Telephone Company
Operation Slingshot Cimarron Telephone Company

Last Mile
\$21,189,659 Loan
\$21,189,658 Grant

Cimarron Telephone Company will implement an FTTH project to bring wireless broadband service to underserved rural portions of Creek, Osage, and Pawnee counties to serve 15 Oklahoma communities and surrounding rural areas. Portions of the project will serve Native American tribal lands, including the Creek, Osage, and Seminole Nations, and Pawnee Tribe of Oklahoma. The project will make services available to 8,966 households, 933 businesses, and 35 anchor institutions. The broadband system will include a portion of the network for FTTH based on the ITU-T G.984 Gigabit PON standard. The project will create or save 65 jobs.

Cross Telephone Co.

**OBI-2 (Oklahoma Broadband Initiative-Area 2)
Last Mile**

**\$8,796,980 Loan
\$8,796,980 Grant**

Cross Telephone Co., will offer FTTH and wireless broadband service speeds of up to 11 Mbps to underserved areas of 6 counties in Oklahoma. The network will serve portions of 3 Native American tribal lands, as well as 20,771 households, 4,183 businesses, and 111 anchor institutions. The project will create or save an estimated 63 jobs.

**Medicine Park Telephone Company
Fiber-to-the-Home Project in the Rural Area of Meers
in Comanche County, Oklahoma**

**Last Mile
\$101,218 Loan
\$303,488 Grant**

Medicine Park Telephone Company will offer broadband service using a GPON FTTH network in the Meers community in rural and remote areas of Comanche County. This project will provide broadband service speeds of 2.4 Gbps downstream and 1.2 Gbps upstream. The network will make services available to 114 households, 3 businesses, and 6 anchor institutions. The project will create or save seven jobs.

**Medicine Park Telephone Company
Sterling Oklahoma to Scotland Texas Rural Fiber
Optic Route**

**Middle Mile
\$1,198,587 Loan
\$1,193,802 Grant**

Medicine Park Telephone Company will offer broadband service using an FTTP network between Sterling, Oklahoma, and Scotland, Texas, with service speeds between 155 Mbps and 10 Gbps. The network will make services available to 1,524 households and 22 anchor institutions. The project will create or save 30 jobs.

Mid-America Telephone, Inc.

**Mid-America Telephone, Inc.: Broadband Project to
Serve Rural Unserved Establishments**

**Last Mile
\$1,143,784 Grant**

Mid-America Telephone Company, Inc. (Mid-America Tel), a subsidiary of TDS Telecom, will deliver high-speed broadband service to unserved premises in its rural Oklahoma service territory. Mid-America Tel is the State-certified ILEC in Oklahoma. The project will reach 4 PFSAs that include 2 communities with 310 premises (286 households and 24 businesses) with no access to broadband service. The network will deploy Ethernet-over-copper technology, provide VDSL2 access devices packaged in an FTTH configuration, upgrade access in the central office to support the extension of the broadband networks to these remote areas, use PON FTTH where economically feasible, and allow future PON upgrades without needing to rebuild the transport routes. The network will provide 20 Mbps (upstream and downstream combined) or more DSL service. This project will create or save 30 jobs.

Oklahoma Communication Systems, Inc.

**Oklahoma Communication Systems, Inc.: Broadband
Project to Serve Rural Unserved Establishments**

**Last Mile
\$3,570,745 Grant**

Oklahoma Communication Systems, Inc. (OCSI), a subsidiary of TDS Telecom, will provide high-speed broadband service to 11 PFSAs that include 8 communities. These PFSAs have 912 premises (877 households, 34 businesses, and 1 anchor institution) with no access to broadband service. OCSI is the State-certified ILEC in Oklahoma. The project will provide DSL broadband capability to unserved rural premises and deliver broadband high-speed capabilities of 20 Mbps (upstream and downstream combined). The network will deploy Ethernet-over-copper technology, provide VDSL2 access devices that are packaged in an FTTH configuration, upgrade access in the central office to support the extension of the broadband networks to these remote areas, use PON FTTH where economically feasible, and allow for future PON upgrades without having to rebuild the transport routes. The project will create or save 94 jobs.

Panhandle Telephone Cooperative, Inc.
Western OK BB Infrastructure Development
Last Mile Non-remote
\$3,366,188 Loan
\$10,098,562 Grant

Panhandle Telephone Cooperative, Inc., will build out broadband infrastructure for rural areas within the western Oklahoma panhandle. A portion of this project will also be implemented in Texas. The network will make services available to 1,289 households, 76 businesses, and 16 anchor institutions. The project is expected to create or save 55 jobs.

Pine Telephone Company, Inc.
Broadband Grant for Isolated Southeastern Oklahoma/Choctaw Nation - Rural/Remote Areas
Last Mile Remote
\$9,482,316 Grant

Pine Telephone Company, Inc., will use innovative wireless technology to deliver broadband service to rural, remote, and economically disadvantaged areas of southeastern Oklahoma—within the Choctaw Nation—to create economic growth and jobs, enhance education and healthcare, and improve public safety. The network will make broadband services available to 4,996 households, 84 businesses, and 31 anchor institutions. The project will create or save 159 jobs.

Pine Telephone Company, Inc.
Last Mile Broadband for Isolated Rural Southeastern Oklahoma/Choctaw Nation - Area 2
Last Mile
\$2,926,329 Loan
\$6,828,101 Grant

Pine Telephone Company, Inc., will offer 3G universal mobile broadband service in Coal, Latimer, Le Flore, and Pittsburg counties, within the Choctaw Nation, in southeast Oklahoma. The network will make broadband services available to 2,968 households, 107 businesses, and 26 anchor institutions. The project will create or save 20 jobs.

Pine Telephone Company, Inc.
Last-Mile ILEC Fiber-to-the-Home for Isolated Rural Southeastern Oklahoma/Choctaw Nation
Last Mile
\$15,081,959 Loan
\$15,081,958 Grant

Pine Telephone Company, Inc., will provide rural Oklahoma subscribers with services typically available in only the most urban areas of the country. In addition to enabling data rates of up to 40 Mbps, the network will enable video delivery via affiliate head-end facilities. Wireless microwave backhaul will be used in some extremely rugged portions of the network. A soft switch will enable the company to convert subscribers to VoIP, further enhancing network utilization. In addition, the network will provide backhaul for the wireless network of Easygrants 1257 awarded in round one. The network will make services available to 5,414 households, 544 businesses, and 80 anchor institutions. The project will create or save 83 jobs.

Pioneer Long Distance, Inc.
WOW Western Oklahoma Wireless
Last Mile Non-remote
\$1,819,349 Loan
\$1,783,322 Grant

Pioneer Long Distance, Inc., will provide wireless broadband service to unserved and underserved rural areas of western Oklahoma. The network will make services available to 21,472 households, 2,063 businesses, and 291 anchor institutions. The project will create or save 14 jobs.

Pioneer Telephone Cooperative, Inc.
Pioneer Tel FTTH Rural Broadband Initiative
Last Mile
\$10,958,906 Loan
\$24,971,934 Grant

Pioneer Telephone Cooperative, Inc., will offer FTTH broadband service speeds of up to 20 Mbps to remote areas within 76 western Oklahoma telephone exchange boundaries. The network will make services available to 3,952 households, 160 businesses, and 5 anchor institutions. The project will create or save 204 jobs.

Totah Communications, Inc.
Totah Broadband Expansion Project
Last Mile Non-remote
\$2,426,053 Loan
\$1,830,180 Grant

Totah Communications, Inc., will upgrade existing copper-fed DSL nodes to fiber-fed DSL nodes. This project will also install additional fiber-fed DSL nodes throughout the service area. The route will cover 152 miles and will serve approximately 800 new customers. The network will make services available to 422 households, 9 businesses, and 8 anchor institutions. The project is expected to create or save 25 jobs.

Utopian Wireless Corporation
Utopian Prague WiMAX Project
Last Mile
\$66,139 Loan
\$198,418 Grant

Utopian Wireless Corporation will provide wireless broadband service to the rural, underserved communities near Prague, Oklahoma. The rural PFSA includes an area in Lincoln County and covers approximately 1,547 households, 106 businesses, and 33 anchor institutions. Utopian will deploy a broadband wireless system that features Motorola Mobile WiMAX technology. The system includes WiMAX access points, wireless and wired backhaul, ASN-GW, CSN, and an IP core that supports authentication and routing of traffic to application servers and the Internet. The project will create or save 10 jobs.

Windstream Corporation
Oklahoma Windstream, LLC
Last Mile
\$2,279,598 Grant

Windstream Corporation will expand broadband service to unserved customers in the PFSA comprising the communities of East Cherokee, Stilwell East, and Stilwell West. The project will allow Windstream Corporation to extend the reach of its broadband network to make services available to 1,667 households and 7 businesses, and provide broadband to last-mile wireline telephone subscribers. The project also will provide broadband service to 14 anchor institutions. Windstream Corporation will deploy industry standard DSLAMs using industry standard ADSL2+ protocols to provide a minimum of 6 Mbps downstream and 786 Kbps upstream data service. The project will create or save an estimated 41 jobs.

Wyandotte Telephone Company
Wyandotte Telephone Company: Broadband Project to Serve Rural Unserved Establishments
Last Mile
\$702,933 Grant

Wyandotte Telephone Company (Wyandotte Tel), a subsidiary of TDS Telecom, will provide high-speed broadband service to unserved premises in two rural Oklahoma PFSA that include three communities. The project will make services available to 226 premises (192 households and 34 businesses) that have no access to broadband service. Wyandotte Tel is the State-certified ILEC in Oklahoma. The network will deploy Ethernet-over-copper technology to its fullest potential, provide VDSL2 access devices in an FTTN configuration, upgrade access in the central office to support the extension of the broadband networks to these remote areas, use PON FTTH where economically feasible, and allow for future upgrades without needing to rebuild the transport routes. Target speed of the expanded network will be at 20 Mbps (upstream and downstream combined) or more DSL service. This project will create or save 18 jobs.

OREGON

Cascade Networks, Inc.

Rural Clatskanie Broadband Initiative

Last Mile

\$578,316 Loan

\$578,316 Grant

Cascade Networks, Inc., in cooperation with Clatskanie People's Utility District in Columbia County, will build a last-mile project in rural Clatskanie to provide broadband service to 410 households, 72 businesses, and 2 anchor institutions. The key business area to be served is the Port Westward light industrial development, an industrial park on the Columbia River. The infrastructure buildout includes extending fiber to the Clatskanie People's Utility District substations to allow more efficient management of the power grid. The project will provide broadband to support data, voice, and IPTV services over a hybrid system of fiber-optic and wireless equipment. The system will be primarily FTTH, with wireless micronodes at points on the edge of the service area where fiber is not a practical option. The project will create or save two jobs.

Cascade Utilities, Inc.

Cascade Utilities Broadband Project

Last Mile

\$1,299,433 Loan

\$3,898,299 Grant

Cascade Utilities, Inc., will lay 127 miles of fiber-optic cable and install or replace 21 DSLAMs in rural areas in Oregon that do not have high-speed broadband access. The network will make services available to 5,814 households, 1,104 businesses, and 19 anchor institutions. The project will create or save 12 jobs.

City of Sandy

Sandy Broadband Infrastructure Project

Last Mile Non-remote

\$374,548 Loan

\$374,537 Grant

The Sandy Broadband Infrastructure Project will improve and expand wireless Internet service provided by SandyNet, a municipal Internet service provider operated by the City of Sandy, Oregon. The project will add new antenna towers to upgrade equipment to 8 Mbps capacity and provide fiber backhaul. The network will make services available to 3,908 households, 150 businesses, and 20 anchor institutions. The project will create or save 10 jobs.

Gervais Telephone Company

Marion County Broadband Buildout

Last Mile Non-remote

\$314,430 Loan

\$314,430 Grant

Gervais Telephone Company will expand an existing fiber network. The project will provide broadband connectivity to 121 households, 24 businesses, and 4 anchor institutions in rural Marion County. The project will create or save nine jobs.

Monroe Telephone Company

Monroe Telephone Cheshire & Greenberry Buildout Project

Last Mile

\$1,413,684 Loan

\$4,241,050 Grant

Monroe Telephone Company will extend broadband services using FTTP to three remote, sparsely populated, mostly agricultural areas. The PFSA are unserved. The project will construct a small middle-mile fiber-optic connection to an interconnection point in Junction City. The network will make services available to 959 households, 29 businesses, and 7 anchor institutions. The project's backhaul will also make fiber connectivity available to six anchor institutions in the Junction City area. The broadband system is GPON standard FTTP architecture with fiber-fed remote cabinets in the field to interconnect the end users with the Internet. This last-mile network will provide the residents, businesses, and anchor institutions with access to broadband service at minimum speeds up to 20 Mbps at affordable rates, with broadband speeds up to 100 Mbps. Discounts will be offered for service to critical community institutions and socially and economically disadvantaged small business concerns. The project will create or save four jobs.

Trans-Cascades Telephone Company

Trans-Cascades Broadband Project

Last Mile

\$590,099 Loan

\$1,770,294 Grant

Trans-Cascades Telephone Company will offer broadband service at a minimum speed of 10 Mbps in remote eastern Oregon, in Jefferson, Wasco, and Wheeler counties. The network will make services available to 136 households, 46 businesses, and 3 anchor institutions. The project will create or save 10 jobs.

Warm Springs Telecommunications Company

The Confederated Tribes of Warm Springs Reservation Broadband Network

Last Mile

\$2,722,960 Loan

\$2,722,960 Grant

Warm Springs Telecommunications Company, representing the Tribal Council of the Confederated Tribes of Warm Springs in central Oregon, will implement phase I of a long-range plan to provide advanced telecommunications service to all homes, businesses, and critical facilities on this 1,000-square-mile reservation. The PFSA has three main communities. The project will make services available to 755 households, 22 businesses, and 233 anchor institutions. The company will construct a hybrid broadband network with fiber backbone and a mix of fiber and wireless links. The network will connect all government agencies, businesses, critical and emergency facilities, and most homes on the reservation with either fiber or wireless to provide broadband Internet access with speeds of up to 5 Mbps and basic telephone service. The project will create or save 33 jobs.

PENNSYLVANIA

Deposit Telephone Company, Inc.

Deposit Telephone Company, Inc.: Broadband Project to Serve Rural Unserved Establishments

Last Mile

\$125,754 Grant

Deposit Telephone Company, Inc. (Deposit Tel), a subsidiary of TDS Telecom, will bring high-speed broadband service to unserved premises. Deposit Tel is the State-certified ILEC in New York. The project will serve six PFSA that include six communities. These PFSA have 48 premises that have no access to broadband service. This project will bring access to high-speed broadband service (20 Mbps upstream and downstream combined). The network is engineered so that it can be easily upgraded to meet future needs. The project will create or save three jobs.

Keystone Wireless, LLC
Keystone Wireless Broadband Initiative
Last Mile
\$11,096,780 Loan
\$25,286,105 Grant

Keystone Wireless, LLC will offer 3G broadband service in Berks, Centre, Clinton, Lycoming, Moutour, Northumberland, Schuylkill, Snyder, and Union counties in central Pennsylvania. Keystone will upgrade its core network infrastructure and 162 base stations with 3G wireless broadband technology to bring high-speed Internet service throughout the PFSAs. The network will make services available to 368,028 households, 26,882 businesses, and 9,035 anchor institutions. The project will create or save 56 jobs.

West Virginia PCS Alliance, LC
Rural Mobile Broadband Initiative - Maryland
Last Mile
\$1,503,518 Grant

West Virginia PCS Alliance LC and NTELOS Licenses Inc., both subsidiaries of NTELOS Holdings Corp., will expand West Virginia PCS Alliance's wireless services to provide 3G mobile broadband service in unserved rural portions of western Maryland and south-central Pennsylvania north of Hagerstown. The PFSAs comprise 8 communities with more than 50 percent of the premises lacking high-speed broadband service. The project will make services available to 35,459 households, 4,110 businesses, and 876 anchor institutions. The project will create or save 11 jobs.

Windstream Corporation
Windstream Pennsylvania, LLC
Last Mile
\$20,497,604 Grant

Windstream Corporation will offer broadband service to a large number of communities in Pennsylvania. The project will use industry standard ADSL2+ protocols that will offer broadband speeds of up to 12 Mbps. The network will make services available to 31,684 households, 1,793 businesses, and 105 anchor institutions. The project will create or save more than 345 jobs.

SOUTH CAROLINA

Home Telephone Company, Inc.
Low Country Broadband Last-Mile Project
Last Mile
\$1,000,000 Loan
\$2,979,868 Grant

Home Telephone Company, Inc., will provide broadband service to unserved or underserved rural areas in portions of Berkeley, Dorchester, and Orangeburg counties and the Cross and Harleyville areas. The project will deliver voice services, high-speed Internet access (up to 20 Mbps), and RF video service to customers through an ITU GPON standards-based Calix C7 GPON system. The company will install single-mode fiber-optic cable for voice and data. The network will make services available to 1,143 households, 1 business, and 7 anchor institutions. The project will create or save 14 jobs.

Orangeburg County
Southeastern Orangeburg County FTTP
Last Mile
\$4,662,501 Loan
\$13,987,499 Grant

Orangeburg County will offer FTTP technology to residents in the communities of Bethel Forest, Canaan, Cattle Creek, Homestead, Lambrick, McAlhany, Pea Ridge, Rowesville, and Sixty Six. The network will cover 278 square miles and will make services available to 3,631 households, 90 businesses, and 12 anchor institutions. The project will create or save an estimated 70 jobs.

Windstream Corporation
Windstream South Carolina, LLC
Last Mile
\$3,050,160 Grant

Windstream Corporation will offer broadband service to the communities of Cameron, Fort Motte-Lone Star, Highland, Kershaw, Landrun, Lexington, Mount Pisgah, North, Orangeburg, Sandy Run-Staley, St. Matthews, and Westville. The project will use industry standard ADSL2+ protocols that will offer broadband service speeds of up to 12 Mbps. The network will make services available to 3,543 households, 286 businesses, and 40 anchor institutions. The project will create or save 40 jobs.

SOUTH DAKOTA

**Midstate Communications, Inc.
Chamberlain/Oacoma Fiber-to-the-Home**

Last Mile

\$2,728,118 Loan

\$6,365,610 Grant

Midstate Communications, Inc., will offer FTTH access in the Chamberlain/Oacoma exchange with broadband service speeds of up to 1 Gbps. The network will make services available to 1,486 households, 176 businesses, and 28 anchor institutions. The project will create or save 99 jobs.

TrioTel Communications, Inc.

TrioTel Fiber-to-the-Home Broadband Deployment Project

Last Mile

\$3,704,212 Loan

\$8,643,163 Grant

TrioTel Communications, Inc., will provide high-speed Internet service in the communities of Alexandria, Canova, Emery, Farmer, Salem, and Spencer and the surrounding rural areas via an FTTH network. The network will provide service to 1,654 households, 986 businesses, and 127 anchor institutions. The project will create or save 15 jobs.

**Venture Communications Cooperative
Cresbard, Orient, and Faulkton Exchanges**

Last Mile

\$2,614,957 Loan

\$2,614,956 Grant

Venture Communications Cooperative will provide broadband service to households, businesses, and key community organizations that are underserved in the Cresbard, Faulkton, and Orient exchanges. The network will make services available to 749 households, 108 businesses, and 15 anchor institutions. The project will create or save 76 jobs.

TENNESSEE

**Bledsoe Telephone Cooperative Corporation
Nine Mile and College Station Broadband Upgrade**

Last Mile

\$1,527,352 Loan

\$3,563,821 Grant

Bledsoe Telephone Cooperative Corporation (BTC) will extend high-speed broadband service to two PFSA's in eastern middle Tennessee. The project will upgrade facilities in two telephone exchanges, College Station and Nine Mile. BTC will establish 36 new aggregation points connected to the main exchange offices by fiber-optic cable. Existing copper cable facilities will be reconfigured between the new aggregation points and subscriber locations. BTC will provide ADSL service speeds of up to 10 Mbps downstream and 1 Mbps upstream. The premises remaining beyond the reconfiguration will be designed customer-by-customer to provide them with a minimum of 19 Mbps downstream and 1 Mbps upstream. The network will make services available to 2,675 households, 148 businesses, and 9 anchor institutions. The project will create or save 40 jobs.

Highland Telephone Cooperative, Inc.

Highland Telephone Cooperative FTTH Build-Out

Last Mile

\$11,801,827 Loan

\$35,405,478 Grant

Highland Telephone Cooperative (HTC) will enhance broadband communication options for the residents of McCreary, Morgan, and Scott counties in rural Tennessee and Kentucky. HTC will construct an FTTH wireline fiber-optic cable network, configured in PON architecture, able to support speeds in excess of 20 Gbps for all subscribers in its exchange boundaries. The network will make services available to 15,371 households, 1,301 businesses, and 75 anchor institutions. The project will create or save 52 jobs.

Millington Telephone Company, Inc.
Mason/Stanton Broadband Expansion
Last Mile
\$1,141,987 Loan
\$2,664,635 Grant

Millington Telephone Company, Inc., will expand access to high-speed broadband service to customers, businesses, and anchor institutions in areas where 75 percent of the premises lack high-speed access and 20 percent of the households are unserved by basic broadband. The PFSA comprises 166 square miles in rural western Tennessee in portions of Fayette, Haywood, and Tipton counties. Communities in the PFSA are Asbury, Braden, Dancyville, Fredonia, Keeling, Longtown, and Stanton. The project will make services available to 1,603 households, 53 businesses, and 16 anchor institutions. The company will offer community and public safety facilities a discount on broadband services. The project will use an FTTN system and broadband loop carrier equipment as the standard for the ADSL2+ aggregation design. The fiber-optic cable design is laid out using three 1 GigE rings to backhaul the broadband data from the major aggregation points to the main data collection and switching center. The major aggregation points are the existing central offices in the five current telephone exchanges in Millington's network. Broadband speeds of up to 10 Mbps downstream and 2.0 Mbps upstream for residential subscribers and up to 15 Mbps downstream and 2.0 Mbps upstream for businesses will be provided. The project will create or save 84 jobs.

North Central Telephone Cooperative, Inc.
Broadband Infrastructure Investment Program
Last Mile Non-remote
\$24,964,000 Loan
\$24,715,709 Grant

North Central Telephone Cooperative will provide the infrastructure to offer advanced voice, video, and data services exceeding 20 Mbps to remote and rural communities in the service area of northern Tennessee. The network will make services available to 14,824 households, 951 businesses, and 48 anchor institutions. The project is expected to create or save 150 jobs.

Scott County Telephone Cooperative
FTTP South Scott County
Last Mile
\$447,300 Loan
\$1,043,700 Grant

Scott County Telephone Cooperative will deploy FTTP technology in south Scott County and a small portion of Russell County. The network will be an active Ethernet system and will provide broadband service speeds of up to 10 Gbps. The network will make services available to 292 households, 5 businesses, and 1 anchor institution. The project will create or save nine jobs.

Skyline Telephone Membership Corporation
High Country Fiber
Last Mile
\$956,515 Loan
\$2,231,868 Grant

Skyline Telephone Membership Corporation will substantially expand advanced FTTH service via a fiber-optic network with combined speeds exceeding 20 Mbps to 744 households, 64 businesses, and 10 anchor institutions in Alleghany and Ashe counties in rural, northwestern North Carolina. The project will create or save 10 jobs.

Sunset Digital Communications, Inc.
TRANSFORM Tennessee
Last Mile
\$2,452,939 Loan
\$22,076,454 Grant

Sunset Digital Communications, Inc., will offer broadband service speeds of up to 1 Gbps. The network will use DWDM to also provide bandwidths up to 1.6 Tbps. The PFSA is located in the Appalachians of northeast Tennessee and includes two persistent poverty counties. Sunset Digital Communications plans to partner with three funded middle-mile projects and has synergistic operations planned with two other last-mile applications. The network will make services available to 11,021 households, 471 businesses, and 65 anchor institutions. The project will create or save 73 jobs.

Tennessee Telephone Company, Inc.

Tennessee Telephone Company: Broadband Project to Serve Rural Unserved Establishments

Last Mile

\$5,150,691 Grant

Tennessee Telephone Company (Tennessee Tel), a subsidiary of TDS Telecom, will bring high-speed broadband service to unserved premises in its rural franchise service territory. Tennessee Tel is the State-certified ILEC in Tennessee. The project will serve 11 rural PFSAs that include 9 communities. Within the PFSAs, there are 1,576 premises (1,499 households, 46 businesses, and 31 anchor institutions) with no access to broadband service. The network will deploy Ethernet-over-copper technology, provide VDSL2 access devices that are packaged in an FTTH configuration, upgrade access in the central office to support the extension of the broadband networks to these remote areas, use PON FTTH where economically feasible, and allow for future PON upgrades without needing to rebuild the transport routes. The target speed to unserved customers is at 20 Mbps (upstream and downstream combined). The project will create or save 135 jobs.

Twin Lakes Telephone Cooperative Corporation

Twin Lakes Telephone Cooperative Corp.: Fiber-to-the-Home Broadband Project

Last Mile

\$16,076,833 Loan

\$16,076,834 Grant

Twin Lakes Telephone Cooperative Corporation will provide broadband service to the rural exchanges of Byrdstown, Celina, Clarkrange, and Moss. The network will make services available to 3,956 households, 1,328 businesses, and 84 anchor institutions. The project will promote economic development in rural areas that have consistently higher than average unemployment rates and areas that are in persistent poverty counties. The project will create or save an estimated 349 jobs.

West Kentucky Rural Telephone Cooperative Corporation, Inc.

West Kentucky and West Tennessee Broadband FTTH Initiative

Last Mile

\$19,189,000 Loan

\$19,189,000 Grant

West Kentucky Rural Telephone Cooperative Corporation, Inc. (WK&T) will build a fiber-optic construction project to provide broadband infrastructure to rural southwest Kentucky in the counties of Calloway, Carlisle, Fulton, Graves, Hickman, and Marshall, and in the northwest Tennessee counties of Henry, Obion, and Weakley. The network will make services available to 5,382 households, 1,119 businesses, and 31 anchor institutions. At the conclusion of the project, WK&T expects to double its data subscribers and have almost 90 percent of its customer base, more than 14,000 customers, on broadband, with data speeds averaging 1.5 Mbps or higher. In addition, fiber broadband will be available to 99 public facilities. The project will create or save 50 jobs.

TEXAS

ATSI Communications, Inc.

South Texas Broadband Technology Progreso TX

Last Mile

\$416,588 Loan

\$416,588 Grant

ATSI Communications, Inc., will build a wireline broadband network infrastructure to provide last-mile service speeds of up to 6 Mbps in Progreso. The company will install a point-to-point microwave transponder solution with a capacity of 250 Mbps connecting its Internet POP to its cable network head-end in Progreso. The network will make services available to 1,010 households, 852 businesses, and 14 anchor institutions. The project will create or save 24 jobs.

Blossom Telephone Company
Red River Broadband Expansion Project
Middle Mile
\$833,303 Loan
\$1,944,373 Grant

Blossom Telephone Company (BTC) will provide middle-mile fiber and transmission facilities that will make available broadband service to unserved and underserved customers in rural areas in northeast Texas. The project will provide FTTH in the Blossom exchange. The 26.5-mile route of middle-mile fiber facilities will enable the FTTH facilities to deliver significantly greater bandwidth. By leveraging the middle-mile fiber with wireless last-mile facilities, the project will enable BTC to provide broadband service to customers. Broadband service speeds will exceed 5 Mbps to all Blossom wireline customers upon completion. Wireless customers will be offered packages up to 3 Mbps along the middle-mile route that is unserved. The network will make services available to 1,887 households, 91 businesses, and 11 anchor institutions. The project will create or save 72 jobs.

Electronic Corporate Pages, Inc.
Central Texas Rural Wireless Expansion Project
Last Mile
\$586,922 Loan
\$1,306,376 Grant

Electronic Corporate Pages, Inc. (ECPI) will provide wireless broadband coverage to a 1,226-square-mile area of rural central Texas. This wireless expansion project will offer over 3 Mbps combined broadband service speeds (upstream and downstream) using Motorola's Canopy technology. Over the four counties covered in this project, the network will make services available to 12,677 households, 6,083 businesses, and 11 anchor institutions. ECPI serves 1,850 customers on 18 towers, which will be expanded to 24 towers under this project. Using backhaul technology and proven network management systems, ECPI will upgrade its core equipment and deploy a WiMAX system. The network is supported by ECPI's two network operations centers, each of which can be upgraded to full gigabit capacity. The project will create or save nine jobs.

Five Area Telephone Cooperative, Inc.
West Texas Broadband Infrastructure Development to Support Internet Adoption
Last Mile
\$2,454,223 Grant

Five Area Telephone Cooperative will implement the West Texas Broadband Infrastructure Development to Support Internet Adoption project. The company will offer high-speed broadband service to the towns of Bledsoe, Bula, Clays Corner, Lazbuddie, Maple, and Needmore in rural west Texas via an FTTP network. The network will make services available to 199 households, 235 businesses, and 1 anchor institution. The project will create or save 16 jobs.

Hill Country Telephone Cooperative, Inc.
Project Rural Connect
Last Mile
\$3,670,265 Loan
\$8,563,952 Grant

Hill Country Telephone Cooperative, Inc., will offer broadband service speeds of up to 20 Mbps (copper) and up to 100 Mbps (fiber). The project will deploy 560 miles of fiber-optic cable, 280 digital loop carriers, and soft switches throughout a substantial portion of its service area. The network will make services available to 1,685 households. The project will create or save 448 jobs.

Medicine Park Telephone Company
Sterling Oklahoma to Scotland Texas Rural Fiber Optic Route
Middle Mile
\$133,176 Loan
\$132,645 Grant

Medicine Park Telephone Company will offer broadband service using an FTTP network between Sterling, Oklahoma, and Scotland, Texas, with service speeds between 155 Mbps and 10 Gbps. The network will make services available to 169 households and 2 anchor institutions. The project will create or save three jobs.

Mid-Plains Rural Telephone Cooperative, Inc.

Rural Texas Panhandle Mid-Plains

Last Mile

\$1,421,000 Loan

\$1,388,000 Grant

Mid-Plains Rural Telephone Cooperative will extend a current project in the rural Texas Panhandle to provide high-speed broadband service to six underserved PFSAs. Through a USDA Telecommunications Loan, Mid-Plains is installing fiber-optic cable to electronic equipment, FTTH, and fiber between central offices. This project will extend FTTH facilities to additional areas. Equipment is being updated in congested areas to improve service and reliability. The 6 newly served PFSAs cover 227 square miles and the project will make services available to 295 premises, of which 145 are without high-speed access. This project will serve 281 rural establishments, including farms and ranches, and an additional 14 businesses. This project will create or save 39 jobs.

PRIDE Network

Burkburnett & Iowa Park, TX

Last Mile Non-remote

\$12,811,071 Loan

\$6,309,931 Grant

PRIDE Network will construct an FTTP telecommunications infrastructure with a WiMAX service-extension overlay that will bring advanced broadband service to the rural communities of Burkburnett and Iowa Park. In addition, less than 5 percent of this network will serve an area in Oklahoma. The network will make services available to 7,804 households, 501 businesses, and 31 anchor institutions. This project will create or save 400 jobs.

PRIDE Network, Inc.

PRIDE Network

Last Mile Non-remote

\$22,720,551 Loan

\$21,829,549 Grant

PRIDE Network will construct an FTTP telecommunications infrastructure with a WiMAX service-extension overlay that will bring advanced broadband service to rural communities in the Texas South Plains region. The network will make services available to 19,777 households, 2,201 businesses, and 139 anchor institutions. This project will create or save 890 jobs.

Telecom Cable, LLC

Last Mile Remote/Rural Telecom Cable

Last Mile

\$634,050 Grant

Telecom Cable, LLC will offer high-speed broadband access via two-way HFC wireline transmission in the rural areas of Corrigan, Fulshear, and Weston Lakes. This project will provide broadband service speeds of at least 5 Mbps. The network will make services available to 1,854 households, 59 businesses, and 22 anchor institutions. The project will create or save 20 jobs.

Valley Telephone Cooperative, Inc.

Southern Texas Broadband Infrastructure Development and Adoption Project

Last Mile Non-remote

\$40,093,153 Loan

\$38,520,868 Grant

Valley Telephone Cooperative, Inc., will develop broadband infrastructure in 11 unserved and underserved rural areas of the South Texas Plains. The network will make services available to 19,494 households, 778 businesses, and 196 anchor institutions. The project will create or save 160 jobs.

Wes-Tex Telephone Cooperative, Inc.

Western Texas Broadband Infrastructure Development

Last Mile Non-remote

\$16,891,875 Loan

\$16,891,875 Grant

Wes-Tex Telephone Cooperative, Inc., will develop broadband infrastructure to increase Internet availability and access speeds in rural areas of western Texas. The network will make services available to 3,298 households, 132 businesses, and 35 anchor institutions.