

South Carolina 2023 ARPA Grant Program Application CPF 1.0



Section 1.1 - Applicant Information

Legal Entity/Organization Name	Farmers Telephone Cooperative, Inc.
Parent Organization	
Entity Type (e.g. Corporation, non-profit, cooperative, governmental entity)	Cooperative
Primary Contact Name	James L. Brown, III
Title	Chief Executive Officer
Mailing Address City, State, Zip	1101 E. Main Street, Kingstree, SC, 29556
Phone Number	843-382-2333
Email	brownj@ftc.org

Section 1.2 - Project Name/Number

Project Number (Format XXX-XX)	FTC-15
Project Name	Lee
Project Priority (1-5, 1 serving as highest priority for applicant)	2

Section 1.3 - Broadband Service Provider Context

Date of Applicant's Initial FCC Submission	December 1, 1999
Date of Applicant's Most Recent FCC Submission	March 1, 2023
Applicant has experience delivering broadband service via fiber and/or hybrid fiber-coax infrastructure (YES/NO)	Yes

Section 1.4 - Broadband Infrastructure Information

Indicate the type(s) of broadband infrastructure technology to be deployed in the project service area.
 Projects must provide a minimum of 100/20 Mbps scalable to 100/100 Mbps. Applicant must explain in detail why the proposed project cannot provide 100/100 Mbps.
 What is your network up-time in South Carolina for the last 12 months? e.g. 99.999%
 What is your network up-time in the county applied for the last 12 months e.g. 99.99%
 Will all structures be served with the same technology type?
 Estimated Miles of Fiber to be Installed
 Estimated Percentage Underground
 Estimated Percentage Aerial

Fiber to the Premises Minimum Sustainable Download/Upload Speeds 100/100 Mbps	
Yes	
	79
	99.75%
	0.25%

Section 1.5 - Project Timeline
(Maximum Timeline Allotted is 24 months)

Project Start Date
 Project Construction Activity Begins
 Project Construction Activity Completion

July 17, 2023
November 20, 2023
November 21, 2025

Customer Premises
Initiation of Operations (premise installations begin)

July 15, 2024

Overall Project Completion Date
 Will the project be completed within
 24 months of official Notice to Proceed (NTP)?

November 21, 2025
Yes

Section 1.6 - ESA Project

Does this project include a Main Street Eligible Service Area?
 (YES/NO)

No

Section 1.7 - Low Cost Plan
(Must be a minimum of 100/20 Mbps)

What Download/Upload speed is offered in your low cost residential plan? (Example 100/20)
 What is the monthly cost of the plan?
 Does the above speed tier include unlimited data? (YES/NO)
 Is a Consumer-based Contract Required? (YES/NO)
 Is the pricing fixed? (YES/NO)
 If no, what's the duration?

250 Mbps / 250 Mbps
\$69.95 internet only / \$49.95 with voice
Yes
No
Yes

South Carolina 2023 ARPA Grant Program Application CPF 1.0



Section 2.2 - In-kind Match (for Main Street Projects only)

Type	Description	Qty	Rate	Amount
In-Kind Match				
In-Kind Match				
In-Kind Match				
In-Kind Match				
In-Kind Match				
In-Kind Match				
In-Kind Match				
Total				\$ -

Total Project Cost and In-Kind Match	#REF!
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Section 2.3 - Funding Details

Description	Comment	Amount
South Carolina ARPA Broadband Grant Program Funds requested		\$ 4,728,000.00
Applicant-Provided Funding		\$ 1,396,000.00
Third-Party Funding Source (if applicable) - List Source	FTC DS	\$ 180,000.00
In-Kind Match (for Main Street Projects only)		\$ -
Total Project Cost		\$ 6,304,000.00
Percentage Funds Requested from SC Broadband Office		75.00%
Percentage Funds from Applicant Match		22.14%
Percentage Funds from Third Party Funding Source		2.86%
Percentage Funds from In-Kind Match		0.00%

ADJUST APPLICANT
PROVIDED FUNDING
AMOUNT TO GET WHOLE
PERCENTAGES ONLY

South Carolina 2023 ARPA Grant Program Application CPF 1.0



Section 3.1 Confirmations

Applicant participates in the Affordable Connective Program (ACP) and will participate in the ACP (or its successor) for the life of ACP for the Project Area.

Agree

Applicant will provide at least one low-cost residential option without data usage caps at a minimum speed of 100/20 for a documented period of time.

Agree

The Project will comply with the requirements set forth in ARPA, South Carolina Act No. 244 of 2022, and other federal, state, and local laws, including environmental and permitting laws and regulations.

Agree

The Applicant will not use ARPA funds to procure or obtain certain telecom and video surveillance services or equipment as outlined in 2 CFR 200.216 and 2 CFR 200.471, including covered telecommunication and video surveillance services or equipment provided or produced by entities owned or controlled by the People's Republic of China and telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).

Agree

The Applicant, to the extent practicable and consistent with applicable law under the award, will provide a preference for the procurement or use of goods, products, or materials produced in the United States as described in 2 C.F.R. 200.322 and Executive Order 14005 Ensuring the Future is Made in All by All of America's Workers (January 25, 2021).

Agree

Applicant will not use ARPA funds to modernize cybersecurity for existing and new broadband networks.

Agree

The Project includes pre-project Engineering uses or costs

Disagree

If Yes to above, the pre-development Engineering uses or costs will be (1) tied to an eligible broadband project or reasonably expected to lead to such a project; (2) necessary for the efficient and timely performance of eligible Projects; and (3) incurred after March 15, 2021, but prior to execution of the Grant Agreement.

Select one

Applicant will encourage its employees, contractors, and subcontractors to adopt and enforce on-the-job seat belt policies and programs for their employees when operating company-owned, rented or personally owned vehicles pursuant to Executive Order 13043, 62 FR 19217 (April 8, 1997).

Agree

Applicant will encourage its employees, contractors, and subcontractors to adopt and enforce policies that ban text messaging while driving.

Agree

Applicant will require its employees, contractors, and subcontractors to comply with the applicable requirements in the South Carolina Underground Facility Damage Prevention Act pursuant to Title 58, Chapter 36 of the South Carolina Code of Laws, as amended.

Agree

Applicant affirms that it will consult with the SC Department of Transportation, electric utilities as well as local water sewer utilities as to any possible efficiencies that can be achieved with a “dig once” approach.

Agree

**South Carolina 2023 ARPA Grant Program
Application CPF 1.0**



4.1 - Additional Information

(max 2000 character limit per item except item 1)

Provide a Summary Narrative that describes your project.

This narrative must be unique for each project and discuss this project only. Refrain from discussing rates, structure counts, estimated dates, work that occurred in the past, or the Company's history of providing Broadband service. Limit 750 Characters.

The Lee County portion is mostly in the area below Interstate 20. There are two larger parts in this section, to the west along the Kershaw County line and in the center of the county, south of Bishopville. There is also a portion near St. Charles and three small areas north of Interstate 20, two of which run along the Kershaw County line. The Florence County part of this project is spread around Lake City. The southern most part of the project is dissected by U.S. 52 along the Williamsburg County line. The others are north of town and south of S.C. 541. A larger area starts at U.S. 52 and stretches to the west while the other is to the east of U.S. 52.

Describe how your proposal meets the needs of the community to be served as described in the "Guidelines."

The objective of FTC and FTC DS has always been to provide quality services to all of its customers. This application is no exception as FTC shares the state Broadband Office's goal in reaching the people in this area with a fiber connection. The 89 census blocks in this grant application have been defined as "Unserved and/or Priority Areas" in Lee and Florence counties by the South Carolina Broadband Office. Through this project, FTC and FTC DS will be passing 751 structures, including 593 residential addresses that serve as the home for approximately 203 students. By deploying a fiber connection, FTC and FTC DS will future proof the network, and these households and students will have access to affordable broadband internet plans with multiple qualifying speeds to include a 1 Gigabit symmetrical offering.

According to the 2020 U.S. Census, Lee County has a population of 16,531 and a median income of \$32,851 that falls well below the state level of \$54,864. Also of that total, only 14.9% have a 4-year degree or greater. Taking into consideration these figures, along with an internet broadband subscription rate of 60.3%, Lee is generally considered a county of need compared to the rest of South Carolina. Florence County, with a median income of \$49,645 across its population of 136,504, has 24.8% of its residents with a bachelor's degree or greater. According to census data, the internet broadband subscription rate for Florence is 74.5%, but access to broadband in the defined priority area is considerably lower.

Bringing qualifying broadband to these areas will enhance the lives of those who live there through distance learning, telemedicine, working from home, ecommerce opportunities, job searches and online applications, just to name a few. Funding through this grant will help FTC and FTC DS build fiber to this area, which, otherwise, would be cost prohibitive to construct.

If the proposed Project is in an area that is subject to an existing federal or state funding commitment for reliable speeds of 100/20 Mbps, explain why there is an identified need for additional broadband investment that is not met by existing federal or state funding commitments.

N/A

Describe your plans or programs you will implement to improve adoption in the community described in this proposal.

The pandemic brought to light the need for broadband in some areas. The need was always there, but when so many had to work from home and students had to take classes online, the urgency for it increased. Understanding that need should help with better adoption rates of broadband.

With that in mind, FTC, long before COVID, was working on educating the people in its territory. Part of the process was developing a video for FTC's all-local TV station. It was split into shorter videos to be posted on ftc.net, the company's website. FTC also developed a speed calculator, which, after receiving information on internet use, calculates the needed bandwidth of a home or business. FTC has also attempted to educate through newsletters, blogs, social media and advertising.

FTC devoted a section on its website to fiber and broadband. It details the progress of FTC's ongoing fiber project, including an online tool that shows the maximum speed available down to the address point level.

The company donated 15 computers, as well as the keyboards and mice to a facility under way in the Lee County area to teach residents, especially senior citizens, how the internet and broadband can change their lives.

The final step in the adoption process was offering a robust internet product, starting with free installation, a free smart router for new service and a free FTC WiFi app to manage the home network.

The Calix GigaSpire U6 router includes the following features:

- Carrier-class Wi-Fi 6 technology
- List of all devices on the network
- Ability to set up a separate guest Wi-Fi
- Capable of adding additional "mesh" access points

The no data cap Internet offering provides free premium Wi-Fi, which includes Basic Parental Controls. Contained in Basic Parental Controls are the following:

- Set up user profiles
- Enable and disable devices within profiles
- Allows for multiple bedtime schedules

Describe your plans or programs you have developed and will implement to increase digital literacy, for example, support through online training, for this project?

FTC has made educating the public on broadband and the need for it a priority during the past several years. One discovery made was that people of all socio-economic levels did not understand the increased need for bandwidth, its power and what speed they required for a positive experience. In fact, even professionals, when asked during presentations what speed they had, seldom knew the answer. To help the public better understand, FTC embarked on a bit of a mission, culminating with an extensive video to be used on its all-local TV station. The same video was broken up into segments for use on its website, ftc.net. This production served to show the growing need for internet service and more bandwidth. Further, computers were donated to community centers to teach residents, particularly senior citizens, about the internet and how they can use it to improve their quality of life. From ordering their groceries online to meeting with their doctors on video chats to even keeping up with their grandchildren on social media, broadband could change their lives. Below is an initiative to increase literacy in the project area as well as some that could be added moving forward: The Shiloh Community Center, still under development, is a facility with numerous uses in the Lee County area. It will be a meeting space and since FTC donated 15 desktop computers, it will be a location for the training and utilization of broadband. FTC also donated the keyboards and mice to equip the desktops. FTC and FTC DS could entertain partnerships with the local Central Carolina Technical College campus as well as the Continuum in Lake City to hold community classes to train residents on the power and utilization of broadband. FTC has already established a relationship with the University of South Carolina Sumter to help with free Apple classes in its iLab. Lee County is part of USC Sumter's service territory.

As part of the Project, identify any areas that the Applicant would be willing to provide free public Wi-Fi in a central or community location to improve access for all South Carolinians and for what period of time.

FTC offers and maintains public Wi-Fi to multiple areas in four of the five counties it serves with a plan under way to add the fifth, Williamsburg County. The Kingstree Recreation Department, located at 375 Nelson Boulevard, will have coverage at the recreation facility, both inside and outside. The town's baseball and softball fields along with an outside basketball court are located at the facility. The following is a complete list of existing FTC public Wi-Fi locations:

- Florence County
- Business District of Lake City
- Main Street

- Sumter
- Bobby Richardson Baseball Complex
- 416 South Wise Drive
- Central Carolina Technical College
- 506 North Guignard Drive
- Business District of Sumter
- Main Street
- Palmetto Tennis Center
- 400 Theatre Drive
- University of South Carolina Sumter
- 200 Miller Road

- Lee County
- Chappell Park
- 397 Chappell Drive
- Bishopville
- Clarendon County
- John C. Land Landing
- Greenall Road
- Summerton

Will the Project deliver broadband in the approved Project Service Area that meets or exceeds symmetrical download and upload speeds of 100/100 Mbps?

Yes

If no to above, explain and provide support demonstrating why the Project will not deliver such speeds and provide an affidavit that 100/100 Mbps symmetrical download/upload speeds are not practicable.	
N/A	
Explain how the Applicant will consult with the community in the Project Area on the general affordability needs of the target markets.	
<p>FTC and FTC DS will consider conducting market studies of the project service area to determine the general affordability of its broadband plans. Focus groups involving residents from those specific areas could also be conducted to receive community feedback. Finally, discussions with city and county officials as well as councils of government would provide information vital to the process.</p> <p>In addition, as a participant of the Affordable Connectivity Program, FTC and FTC DS will continue to utilize various avenues to educate consumers on the advantages of this valuable initiative.</p>	
What network resiliency strategies will be leveraged to ensure facilities remain operational?	
<p>FTC, as a standard practice, takes a 3 step approach to network reliability. First and foremost, all facilities are buried to protect from inclement weather. Secondly, the electronic GPON OLT equipment which feeds each serving area, is placed on a fiber optic network ring to ensure a single cut will not bring down the network. Finally, the GPON equipment is equipped with a backup generator and batteries to ensure service even during prolonged power outages.</p>	
<p>Will the Project (1) prioritize investments in fiber-optic infrastructure wherever feasible and focus on projects that deliver a physical broadband connection by prioritizing projects that achieve last mile connections or ensure funded middle mile projects have commitments in place to support new and/or improved last mile service; (2) include affordability options and shall participate in ACP for the life of ACP; and (3) prioritize support for local networks owned, operated, or affiliated with local governments, nonprofits, and cooperatives.</p>	<p>Yes</p>
If no to above, explain.	
If no to above, explain.	
<p>If awarded, will the Grant funds be used to overbuild another existing broadband provider or to reimburse expenses related to overbuilding another broadband provider?</p>	<p>No</p>
If yes to above, explain.	
If yes to above, explain.	

South Carolina 2023 ARPA Grant Program Application CPF 1.0



5.1 - Project Sponsors

Entity Name	FTC Diversified Services, LLC
Entity Type (.e.g. Corporation, non-profit, cooperative, governmental entity)	Limited Liability Corporation
Role within proposed project	Providing fiber based broadband services beyond FTC boundaries.
Primary Contact Name	Lisa Coward
Title	Director of Marketing
Mailing Address City, State, Zip	1101 E. Main Street, Kingstree, SC 29556
Phone Number	843-382-1434
Email	Cowardl@ftc.org

5.2 - Project Sponsors

Entity Name	
Entity Type (.e.g. Corporation, non-profit, cooperative, governmental entity)	
Role within proposed project	
Primary Contact Name	
Title	
Mailing Address City, State, Zip	
Phone Number	
Email	

5.3 - Project Sponsors

Entity Name
Entity Type
(.e.g. Corporation, non-profit, cooperative, governmental entity)
Role within proposed project
Primary Contact Name
Title
Mailing Address City, State, Zip
Phone Number
Email

5.4 - Project Sponsors

Entity Name
Entity Type
(.e.g. Corporation, non-profit, cooperative, governmental entity)
Role within proposed project
Primary Contact Name
Title
Mailing Address City, State, Zip
Phone Number
Email

South Carolina 2023 ARPA Grant Program Application CPF 1.0



6.1 - Attachment Checklist

(Please attach the following items to application)

GIS Shapefiles

Proposed 2020 Census Blocks

Yes

Proposed Fiber/Cable Lines

Yes

Proposed Structures Served by Type

Yes

Existing ~~Fiber/Cable Lines~~ Network Junctions

Yes

Signed affidavit certifying grant application is complete and accurate

Yes

Proof of funding related to proposed project or non-cash support, provide associated documentation e.g. yearly financial reports, bank statement, etc.

Yes

Letters of support and strategic partnerships

Yes

Copies of Applicant's Current Fee Structure for all Internet Speed Tiers

Yes

Certificates of Insurance

Yes

Main Street Work Plan

No

Any additional information evidencing community need for project

Yes