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BEFORE THE PUBLIC SERVICE COMMISSION OF UTAH


In the Matter of the Application of Starlink Services, LLC for Designation as an Eligible Telecommunications Carrier for Purposes of Receiving Rural Digital Opportunities Fund Support

Docket No. 21-2624-01

PREFILED DIRECT TESTIMONY OF MATT JOHNSON

Starlink Services, LLC hereby submits the Prefiled Direct Testimony of Matt Johnson in this docket.

DATED this 5th day of February 2021.


/s/ _____
Phillip J. Russell
JAMES DODGE RUSSELL & STEPHENS, P.C.
Attorneys for Starlink Services, LLC

Certificate of Service
Docket No. 21-2624-01

I hereby certify that a true and correct copy of the foregoing Prefiled Direct Testimony of Matt Johnson was served by email this 5th day of February 2021 on the following:

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/s/ Phillip J. Russell

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Direct Testimony of Matt Johnson

On Behalf of

Starlink Services, LLC

February 5, 2021

1 **INTRODUCTION AND SUMMARY**

2 **Q. PLEASE STATE YOUR NAME, PLACE OF EMPLOYMENT AND BUSINESS**
3 **ADDRESS.**

4 A. My name is Matt Johnson. I am employed by Space Exploration Technologies Corp.
5 (“SpaceX”), the parent company of the Applicant Starlink Services, LLC (“Starlink”), as a
6 Senior Business Operations Analyst. My business address is 1 Rocket Rd, Hawthorne, CA
7 90250.

8 **Q. PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND.**

9 A. I have a Bachelor’s degree from the University of North Carolina at Charlotte.

10 **Q. PLEASE DESCRIBE YOUR PROFESSIONAL EXPERIENCE AND**
11 **BACKGROUND.**

12 A. In my professional capacity, I have served a variety of telecommunications service
13 providers over a period of more than twenty years in roles ranging from product
14 management, business development, project management and finance.

15 **Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THIS COMMISSION?**

16 A. No. This is the first time I have provided testimony before this Commission.

17 **Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE UTILITY REGULATORY**
18 **COMMISSIONS IN OTHER STATES?**

19 A. I have not.

20 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

21 A. The purpose of my testimony is to discuss the qualifications of the Applicant, Starlink, to
22 be designated as an Eligible Telecommunications Carrier (“ETC”) for the purpose of

23 receiving high cost universal service support from the Rural Digital Opportunity Fund
24 (“RDOF”).

25 **Q. DOES THE UTAH PUBLIC SERVICE COMMISSION HAVE THE AUTHORITY**
26 **TO DESIGNATE STARLINK AS AN ETC?**

27 A. Yes. Pursuant to 47 U.S.C. § 214(e)(2), state utility regulatory commissions have authority
28 to designate a qualified carrier as an ETC. Specifically, Section 214(e)(2) authorizes a
29 State commission to “designate a common carrier that meets the requirements” of an ETC
30 “for a service area designated by the State Commission.” This Commission has previously
31 exercised its authority to designate qualified carriers as ETCs.

32 **Q. PLEASE DESCRIBE SPACEX AS IT RELATES TO THIS APPLICATION.**

33 A. SpaceX is a Delaware corporation with its principal place of business located at 1 Rocket
34 Road, Hawthorne, California 90250. SpaceX was formed in 2002 with a goal of
35 revolutionizing space technologies. SpaceX designs, manufactures, and launches the
36 world’s most advanced rockets, spacecraft, and satellites, and now offers broadband
37 internet service over the world’s largest satellite constellation. SpaceX is leveraging its
38 proven track record of rapid innovation and experience building rockets and spacecraft to
39 deploy Starlink, a space-based broadband internet system capable of providing truly low-
40 latency, high-throughput service in even the most remote areas of the country.

41 **Q. PLEASE DESCRIBE STARLINK.**

42 A. Starlink is a Delaware limited liability company with its principal place of business located
43 at 1 Rocket Road, Hawthorne, California 90250. Starlink is a wholly-owned subsidiary of

44 SpaceX. Starlink is seeking to operate in 35 states as an ETC to provide satellite broadband
45 internet access and voice over Internet protocol (“VoIP”) service.

46 **Q. HAS STARLINK BEEN DESIGNATED AN ETC IN ANY OTHER STATE FOR**
47 **PURPOSES OF RECEIVING RDOF SUPPORT?**

48 A. No.

49 **Q. IS STARLINK SEEKING ETC DESIGNATION IN ANY OTHER STATE FOR**
50 **PURPOSES OF RECEIVING RDOF SUPPORT?**

51 A. As the winning bidder in the RDOF Phase 1 auction in 35 states, Starlink has, in addition
52 to Utah, filed requests seeking ETC designations in the states of Arkansas, California,
53 Colorado, Florida, Georgia, Hawaii, Idaho, Illinois, Kentucky, Louisiana, Maine,
54 Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Montana, Nevada, New
55 Jersey, New Mexico, North Carolina, Oregon, Pennsylvania, South Carolina, Vermont,
56 Washington and Wyoming. The states of Alabama, Connecticut, New Hampshire, New
57 York, Tennessee, Virginia and West Virginia have disclaimed jurisdiction over granting
58 ETC status, and Starlink has petitioned the Federal Communications Commission (“FCC”)
59 for an ETC designation for those states pursuant to 47 U.S.C. § 214(e)(6) and 47 C.F.R.
60 § 54.202.

61 **SATELLITE TECHNOLOGY AT ISSUE IN THE APPLICATION**

62 **Q. PLEASE DISCUSS THE SATELLITE CONSTELLATION REFERENCED**
63 **ABOVE.**

64 A. In 2018, the FCC authorized SpaceX to deploy and operate Starlink, a revolutionary
65 constellation of more than 4,400 Non-Geostationary Orbit (“NGSO”) satellites in low

66 Earth orbit. In issuing this authorization, the FCC recognized SpaceX’s ability “to bring
67 high-speed, reliable, and affordable broadband service to consumers in the United States
68 and around the world, including areas underserved or currently unserved by existing
69 networks.”¹

70 Since it received FCC satellite authorization in 2018, SpaceX has successfully
71 deployed more than 1,000 Starlink satellites—the largest satellite constellation in history—
72 and demonstrated its ability to deliver high-quality broadband internet access to thousands
73 of users. Since late October 2020, when we announced availability of our public beta,
74 Starlink has grown its service area tenfold and is currently serving nearly 1,000 different
75 geographic regions in the United States, Canada, and the United Kingdom with a combined
76 area of nearly 400,000 km²—with thousands of additional service regions planned in the
77 coming months and years as we scale our constellation.

78 Starlink delivers service to our customers by coordinating the delivery of thousands
79 of radio-frequency (“RF”) beams across our satellite fleet to dynamically allocate
80 connections between the satellites in space and customers on the ground. The network
81 currently divides the earth into virtual serving areas, pairing each active service area with
82 resources from the Starlink network. Operating our satellites 65x times closer to the earth
83 than conventional geostationary providers has allowed the first generation of SpaceX
84 satellites to allocate resources more precisely than conventional geostationary satellites,

¹ *In re Space Exploration Holdings, LLC Application for Approval of Orbital Deployment and Operating Authority for the SpaceX NGSO Satellite System*, Memorandum Opinion, Order and Authorization, 33 FCC Rcd 3391, para. 1 (2018).

85 enabling Starlink to deliver high speed, low latency broadband internet services to the
86 communities of Utah that we have committed to serve.

87 **Q. HOW WILL STARLINK UTILIZE THIS SATELLITE CONSTELLATION TO**
88 **PROVIDE SERVICE TO END USERS?**

89 A. The Starlink satellite constellation discussed above provides broadband Internet service
90 using Ku- and Ka-band spectrum. Starlink Services will utilize the Starlink satellite
91 constellation, in combination with ground-based equipment, to provide Internet Protocol
92 (“IP”) connectivity between customer premises equipment (over its licensed Ku-band
93 spectrum) and its gateways (over its licensed Ka-band spectrum). Consumer data will
94 travel via terrestrial fiber from regional gateway sites to internet Points of Presence
95 (“PoPs”) where traffic enters into the internet.

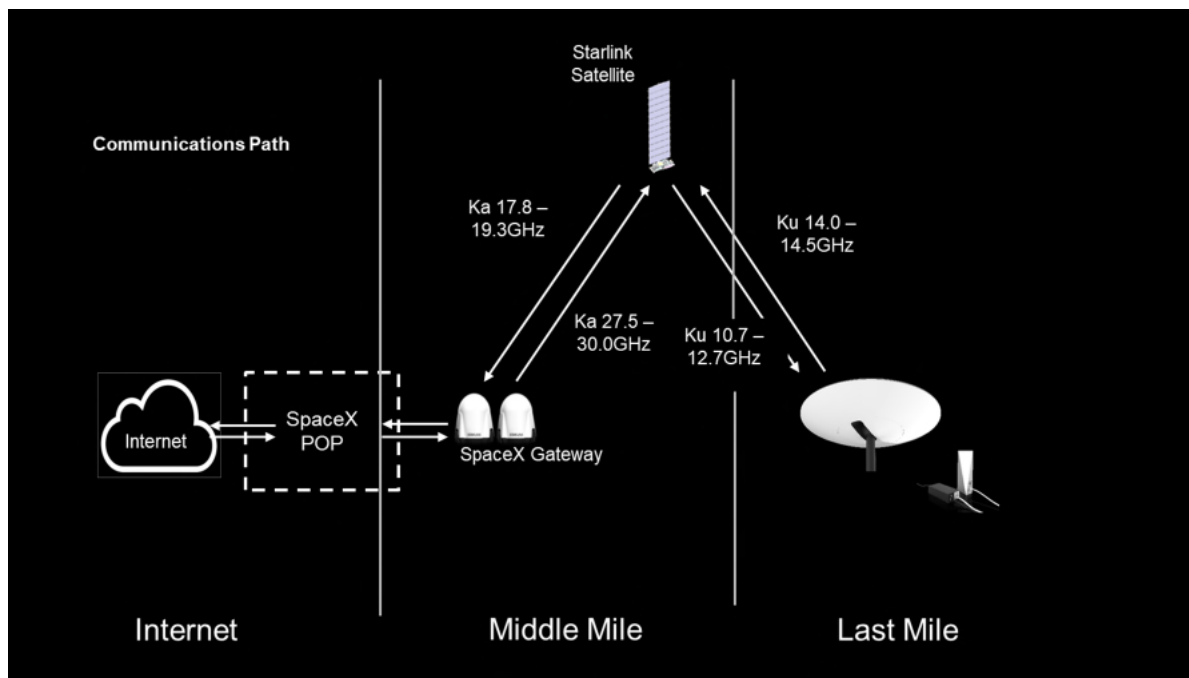
96 Our customers access the Starlink network using an advanced phased-array
97 terminal designed to connect directly to the satellite’s Ku-band RF beam assigned to serve
98 the area in which the customer is located. Designed and manufactured by SpaceX, our
99 advanced phased-array terminal, nicknamed “Dishy,” utilizes electronically steered beams
100 rather than mechanical means to communicate with our constantly moving satellites and
101 their current position in space. Electronic beam steering enables millisecond-level
102 coordination between our customer equipment and our satellite fleet and equips Starlink to
103 react and optimize resources to meet our customer’s exact needs as they change minute to
104 minute.

105 As customers communicate with our fleet of satellites, the Starlink network will
106 direct customer communications to the nearest optimal Starlink gateway location. A

107 Starlink gateway consists of several Ka- band antenna, also designed and manufactured by
108 SpaceX, directly connected to SpaceX internet POPs around the United States. The Starlink
109 network is designed such that there are always multiple gateways in view of our Starlink
110 satellites.

111 The diagram below summarizes these components of the network.

112 Figure 1 – Starlink Network Architecture



113

114 **Q. DOES SPACEX CURRENTLY OFFER SERVICE TO CUSTOMERS IN THE**
115 **UNITED STATES?**

116 **A.** Yes. SpaceX currently offers select users beta consumer-grade broadband internet service
117 in Washington, Montana, Oregon, Michigan, Idaho, Wisconsin, Maine, and North Dakota.
118 In addition, the town of Marysville, Ohio, and Virginia’s Wise County Public School
119 District have signed up to receive Starlink broadband internet service.

120 **Q. DOES SPACEX OFFER SERVICE TO CUSTOMERS OUTSIDE OF THE UNITED**
121 **STATES?**

122 A. Yes. SpaceX recently expanded public access to its beta consumer-grade broadband
123 internet service to select consumers in Canada and the United Kingdom. The first in
124 Canada to receive Starlink broadband internet access service was the rural indigenous
125 community of Pikangikum First Nation. Pikangikum is a community of 400 to 500
126 households with a population of less than 3,000, located approximately 3,000 kilometers
127 northeast of Winnipeg, Canada.

128 SpaceX plans to expand offerings throughout the United States and the world and
129 to date has registered Starlink subsidiaries in Austria, Australia, Argentina, Brazil, France,
130 Chile, Colombia, Germany, Greece, Ireland, Italy, Mexico, the Netherlands, New Zealand,
131 the Philippines, South Africa, and Spain.

132 **Q. IS SATELLITE TECHNOLOGY PARTICULARLY WELL SUITED TO**
133 **PROVIDE SERVICE IN RURAL AREAS?**

134 A. Yes. Satellite technology does not require the same amount of fixed ground infrastructure
135 to the customer premise as is required by technologies like copper wire, coaxial cable, or
136 fiber optic networks. Additionally, unlike past satellite efforts, Starlink is unique in a
137 number of ways all leading towards an enhanced ability to provide high speed, low latency
138 services to communities that have been previously underserved or not reachable at all by
139 conventional means including prior efforts to serve these areas with conventional
140 geostationary satellites. SpaceX's effort represents a deeply integrated approach
141 combining advances in launch capacity, satellite hardware, consumer access terminals,

142 ground stations (or gateways) and all of the software and technology needed to successfully
143 deliver services from low Earth Orbit. Operating from low Earth orbit enables Starlink to
144 be 65 times closer to its customers than traditional satellites. Our proximity unlocks latency
145 and bandwidth capabilities similar to a terrestrial network but without the constraints of
146 building fixed, dedicated infrastructure to all of our customers.

147 **Q. WILL THE STARLINK SATELLITE CONSTELLATION PROVIDE SUPERIOR**
148 **COVERAGE AND SERVICE COMPARED TO EXISTING SATELLITE**
149 **PROVIDERS?**

150 A. Traditional satellite services are delivered from stationary satellites that take many years
151 to design, construct and launch. Once in orbit, these conventional satellites are limited by
152 the extreme distances that must be covered to reach customers. This results in higher
153 latencies and lower throughput. In contrast, SpaceX's capabilities are not just found in the
154 design of its satellites, but in the entire system combining our proven launch ability, our
155 gateway ground stations, our consumer terminals and, importantly, the software that
156 connects all of these components together in precise orchestration. This tight coupling of
157 each individual component enables us to direct resources to customers despite changing
158 conditions that might exist on the ground. This makes Starlink unique compared to both
159 conventional satellite and terrestrial networks because these conventional architectures are
160 often constrained by static, unmoving resources such as conventional Satellite's fixed
161 location in space or in fixed investments in fiber in the terrestrial case.

162 Starlink's network architecture has no significant variations by state, region, or
163 other criteria where it has gateway sites and PoPs already in place, beyond standard

164 regional configurations for standalone voice services such as localized phone numbers and
165 emergency service integrations. Starlink Services may also offer different language
166 support depending on the region served.

167 **RURAL DIGITAL OPPORTUNITY FUND**

168 **Q. PLEASE DESCRIBE THE RURAL DIGITAL OPPORTUNITY FUND (“RDOF”).**

169 A. The FCC established the RDOF in January 2020 to ensure continued and rapid deployment
170 of broadband internet networks to rural areas of the United States. RDOF is a continuation
171 of the federal government’s commitment to provide funding support for the deployment of
172 networks capable of providing broadband internet access to rural areas of the United States.
173 RDOF funding was awarded through auction, similar to the Connect America Fund
174 (“CAF”) and CAF II auctions in past years.

175 RDOF will commit up to \$20.4 billion from the federal government to support the
176 availability of internet networks in rural America that are unserved or underserved by
177 internet speeds. RDOF offered funding for companies to provide internet connectivity at
178 speeds of at least 25 Mbps download and 3 Mbps upload (“25/3”).

179 **Q. DID SPACE X PLACE BIDS IN THE RDOF AUCTION AND WERE THOSE BIDS
180 SUCCESSFUL?**

181 A. SpaceX was a successful bidder in Phase 1 of the RDOF auction. Phase 1 of RDOF
182 targeted areas where Americans are wholly unserved by 25/3 broadband internet access.
183 Support was awarded through a reverse auction that favored faster services with lower
184 latency. Auction participants submitted bids based on a combination of performance and

185 latency requirements. The Phase 1 auction concluded on November 25, 2020 and awarded
186 a total of \$9.23 billion in support over ten years.

187 SpaceX was awarded \$885 million of this support to provide broadband internet
188 and standalone voice services to approximately 643,000 location in 35 states, including
189 \$20,961,877 to provide service to more than 8,600 locations in Utah. A copy of the FCC's
190 RDOF Phase 1 Winning Bidder Summary is attached hereto as Exhibit 1. A copy of the
191 FCC's RDOF Phase 1 State Results Summary is attached hereto as Exhibit 2. As these
192 documents show, Starlink has been entrusted with approximately 2/3 of the RDOF Phase
193 1 funds dedicated to support the expansion of broadband internet access in Utah, which
194 will help Starlink provide broadband internet access to approximately 80% of the Utah
195 locations identified by the FCC as the most in need of such support.

196 On December 22, 2020, pursuant to the process established by the FCC, SpaceX
197 assigned its winning bids to Starlink.

198 **Q. ARE RDOF WINNING BIDDERS REQUIRED TO OBTAIN REGULATORY**
199 **APPROVAL FROM STATE COMMISSIONS IN WHICH THEY WILL PROVIDE**
200 **SERVICE?**

201 A. Yes. To receive the RDOF support, winning bidders must be designated as an ETC from
202 the relevant authority in which the bidder was awarded support funds. This Commission
203 is the relevant authority to determine Starlink's eligibility for ETC designation to provide
204 services in Utah. To satisfy FCC requirements for RDOF support, Starlink must obtain
205 ETC designation by June 7, 2021.

206 **STARLINK MEETS THE REQUIREMENTS FOR ETC DESIGNATION**

207 **Q. PLEASE IDENTIFY STARLINK’S PROPOSED ETC SERVICE AREA.**

208 A. Starlink requests ETC designation for the area encompassed by the census blocks for which
209 it has been provisionally awarded RDOF support, as identified in Exhibit 3 hereto. I will
210 refer to this as the “Service Area.” A map of the Service Area is identified in Exhibit 4.

211 **Q. PLEASE IDENTIFY THE REQUIREMENTS FOR ETC DESIGNATION.**

212 A. 47 C.F.R. § 54.201(d) defines eligibility for RDOF support. To receive such support, 47
213 C.F.R. § 54.201(d) requires that a “common carrier” must (1) “[o]ffer the services that are
214 supported by federal universal service support mechanisms,” and (2) “[a]dvertise the
215 availability of such services and the charges therefore using media of general distribution.”

216 **Q. DOES STARLINK MEET ALL OF THE REQUIREMENTS TO BE DESIGNATED
217 AS AN ETC?**

218 A. As discussed in more detail below, Starlink meets all of the requirements to receive ETC
219 designation.

220 **Q. IS STARLINK A “COMMON CARRIER”?**

221 A. Yes. “Common Carrier” is defined in 47 U.S.C. § 153(11) as “any person engaged as a
222 common carrier for hire, in interstate or foreign communication by wire or radio or
223 interstate or foreign radio transmission of energy.” For purposes of this designation,
224 Starlink will provide broadband internet access service and standalone voice service to the
225 public throughout the Service Area on a common carrier basis. Starlink certifies that it is
226 a common carrier under 47 U.S.C. § 214(e)(1) and 47 C.F.R. § 54.201(d) for purposes of
227 ETC designation.

228 **Q. DOES STARLINK OFFER THE SUPPORTED SERVICES SET FORTH IN 47**
229 **C.F.R. § 54.101(a) EITHER BY USING ITS OWN FACILITIES OR A**
230 **COMBINATION OF ITS OWN FACILITIES AND THE RESALE OF ANOTHER**
231 **CARRIER’S SERVICES?**

232 A. Yes. 47 C.F.R. § 54.101(a) identifies the services that are supported by federal universal
233 service support mechanisms, stating that such services are “voice telephony services” and
234 “broadband internet access service.” 47 C.F.R. § 54.101(a)(1) identifies the characteristics
235 of “voice telephony services” that a common carrier must provide. 47 C.F.R. §
236 54.101(a)(2) identifies the characteristics of “broadband internet access service” that a
237 common carrier must provide.

238 Specifically, 47 C.F.R. § 101(a) states as follows:

239 (a) *Services designated for support.* Voice telephony services and
240 broadband service shall be supported by federal universal service
241 support mechanisms.

242 (1) Eligible voice telephony services must provide voice grade
243 access to the public switched network or its functional equivalent;
244 minutes of use for local service provided at no additional charge to end
245 users; access to the emergency services provided by local government
246 or other public safety organizations, such as 911 and enhanced 911, to
247 the extent the local government in an eligible carrier's service area has
248 implemented 911 or enhanced 911 systems; and toll limitation services
249 to qualifying low-income consumers as provided in subpart E of this
250 part.

251 (2) Eligible broadband Internet access services must provide the
252 capability to transmit data to and receive data by wire or radio from all
253 or substantially all Internet endpoints, including any capabilities that
254 are incidental to and enable the operation of the communications
255 service, but excluding dial-up service.

256 As described in further detail below, Starlink will offer all of these services, using
257 its own facilities in the Service Area in which Starlink was the winning bidder in the RDOF
258 auction.

259 Starlink will satisfy the requirement for offering the services supported by RDOF
260 throughout the Service area using a combination of owned and leased facilities. As
261 described above, Starlink—through SpaceX—is a facilities-based satellite provider with
262 its own fleet of satellites, earth stations, gateways, switching facilities, and other associated
263 facilities and, therefore, Starlink will offer the supported services using its own facilities
264 or a combination of its own facilities and resale of another carrier’s service.

265 **Q. PLEASE DESCRIBE HOW STARLINK WILL PROVIDE THE SUPPORTED**
266 **SERVICES.**

267 A. Starlink offers the services supported by the universal service support mechanisms, as set
268 forth in 47 C.F.R. § 54.101(a)(1) and (2).

269 Eligible Voice Telephony Services

270 Starlink will provide voice telephony services, including (a) voice-grade access to
271 the public switched telephone network (“PSTN”) or its functional equivalent; (b) minutes
272 of use for local service provided at no additional charge to end users; (c) access to
273 emergency services; and (d) toll limitations services to qualifying low-income consumers
274 in accordance with 47 C.F.R. § 54.500, *et seq.*

275 *(a) Voice-grade access to the PSTN*

276 Starlink will provide voice-grade access to the PSTN by providing interconnected
277 VoIP. Starlink is exploring avenues for the provision of voice services consistent with the

278 requirements and goals of RDOF, including using a white-label managed service provider
279 (“MSP”) voice platform that Starlink has certified to meet quality and performance
280 standards exceeding those required by RDOF. In this baseline plan, Starlink would provide
281 telephone services connecting consumers to its MSP’s platform using its network capacity,
282 which is available to consumers through their customer premises equipment. Consumers
283 will have the option of using a third-party, conventional phone connected to a Session
284 Initiation Protocol standards-compliant analog terminal adaptor or a native-IP phone
285 selected from a list of certified models. Starlink will make available for purchase the
286 terminal adaptor to customers who wish to utilize Starlink for voice services.

287 Starlink will continue to assess integrating alternative standalone voice applications
288 into the Starlink network, including other third-party providers, or possibly developing its
289 own proprietary solution. Starlink may adopt such approaches in the event that further
290 testing demonstrates alternative solutions would provide a superior experience to the end
291 use customer, or if Starlink determines that the end use customer would benefit from the
292 existence of multiple voice solutions to introduce competition and redundancy into the
293 supply chain—all while fully complying with RDOF and ETC requirements.

294 These solutions will enable Starlink to provide interconnected VoIP throughout the
295 Service Area, sufficient for voice-grade access to the PSTN consistent with 47 C.F.R. §
296 54.101(a). As required by RDOF, Starlink will make available a standalone voice plan
297 priced at prevailing market rates for the areas served by Starlink in Utah.

298 *(b) Local service provided at no additional charge*

299 Starlink will satisfy the requirement that it provide minutes of local service at no
300 additional charge to end-users. The FCC has not specified a minimum amount of local
301 usage that an ETC must offer. Starlink will offer voice rate plans in the Service Area that
302 include local calling at no additional charge and will comply with any and all minimum
303 local usage requirements adopted by the FCC or this Commission over Starlink's
304 standalone voice service.

305 *(c) Access to emergency services*

306 Starlink will satisfy the requirement that it provide access to the emergency services
307 provided by local government or other public safety organizations, such as 911 and
308 enhanced 911, to the extent the local government in the Service Area has implemented
309 such emergency services.

310 *(d) Toll limitation services to qualifying low-income consumers*

311 Once designated as an ETC, Starlink will offer toll-limitation services for
312 qualifying low-income customers as required by FCC rules, and will provide toll blocking
313 service in accordance with 47 C.F.R. §§ 54.500, *et seq.*

314 Broadband Internet Access Services

315 Starlink will offer broadband internet access service with the capability to transmit
316 data to, and receive data by wire or radio from, all or substantially all internet endpoints,
317 including any capabilities that are incidental to and enable the operation of the
318 communications service, but excluding dial-up service. Starlink will offer broadband

319 internet access service at rates that are reasonably comparable to rates offered in urban
320 areas, as discussed further below.

321 **Q. WILL STARLINK PROVIDE LIFELINE TO QUALIFIED LOW-INCOME**
322 **CONSUMERS?**

323 A. As required by 47 C.F.R. § 54.405, Starlink will provide Lifeline to qualifying low-income
324 consumers and publicize the availability of Lifeline service in a manner reasonably
325 designed to reach those likely to qualify for the service.

326 **Q. WILL STARLINK ADVERTISE THE AVAILABILITY OF SUPPORTED**
327 **SERVICES?**

328 A. Pursuant to 47 U.S.C. § 214(e)(2) and 47 C.F.R. § 54.201(d), Starlink will advertise the
329 availability and rates of each of the supported services detailed above and the availability
330 of Lifeline benefits throughout its Service Area by media of general distribution.

331 **Q. ARE THERE ADDITIONAL ELIGIBILITY CRITERIA THAT AN APPLICANT**
332 **MUST SATISFY TO BE DESIGNATED AN ETC?**

333 A. Yes. Starlink certifies that it satisfies the additional requirements for designation as an ETC
334 under Section 47 C.F.R. § 54.202.

335 **Q. PLEASE DESCRIBE HOW STARLINK WILL SATISFY EACH OF THE**
336 **ADDITIONAL ELIGIBILITY CRITERIA.**

337 A. Five-Year Plan

338 Starlink certifies that it will provide service to the Service Area locations consistent
339 with the deployment obligations associated with the receipt of RDOF support. Given these
340 obligations, the FCC has waived the requirement that winning bidders seeking an FCC

341 ETC designation file a five-year service improvement plan. Accordingly, Starlink requests
342 the Commission similarly waive the requirement for a five-year plan in light of the
343 deployment obligations associated with the receipt of RDOF support, which are discussed
344 below.

345 Compliance With Applicable Service Requirements

346 Starlink certifies that it will comply with the service requirements applicable to
347 RDOF support that it receives, including the performance requirements and deployment
348 milestones associated with RDOF support. Further, Starlink will comply with all
349 applicable state and federal consumer protection and service quality standards associated
350 with the receipt of RDOF support.

351 Winning bidders in the RDOF auction are required to commercially offer voice and
352 broadband internet service consistent with certain milestones and speed and latency
353 requirements. Consistent with this requirement, Starlink is required to offer service to 40%
354 of the Service Area by the end of the third full calendar year following funding
355 authorization, and 20% each year thereafter, resulting in 100% deployment to funded
356 locations by the end of the sixth calendar year.

357 Ability to Remain Functional in Emergency Situations

358 Starlink has the ability to remain functional in emergency situations as required by
359 FCC rules. Specifically, Starlink's network has sufficient back-up power to remain
360 functional without an external power source, will be able to reroute traffic around damaged
361 facilities, and is capable of managing traffic spikes resulting from emergency situations.
362 At the user level, Starlink will offer several battery back-up options for an additional fee,

363 including up to 24 hours of back-up for customer equipment that will enable the ability to
364 make phone calls in the event of a power outage.

365 At the system level, Starlink is building redundancy into the network. For example,
366 every user will have multiple satellites in view with which it can communicate.
367 Additionally, every satellite will have multiple gateway sites in view with which it can
368 communicate. The Starlink traffic routing system ensures that every user is served with
369 bandwidth before users demanding more bandwidth get additional throughput assigned,
370 which gives Starlink network robustness in the event of emergencies requiring high
371 throughput.

372 **Q. HAS STARLINK BEEN SUBJECT TO A DENIAL OF FEDERAL BENEFITS**
373 **UNDER THE ANTI-DRUG ABUSE ACT OF 1988?**

374 A. As required by 47 C.F.R. § 1.2002, Starlink is not subject to a denial of federal benefits
375 pursuant to section 5301 of the Anti-Drug Abuse Act of 1988.

376 **Q. WILL STARLINK PROVIDE SERVICE THROUGHOUT ITS ETC SERVICE**
377 **AREA?**

378 A. Starlink commits to provide the supported services discussed above throughout the Service
379 Area. Starlink is required to demonstrate and certify its ability to serve 100% of the
380 locations in the Service Area at the end of six (6) years.

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PLANS AND PRICING

Q. PLEASE IDENTIFY THE PLANS AND PRICING THAT STARLINK INTENDS TO OFFER FOR THE SUPPORTED SERVICES IN THE SERVICE AREA.

As required by RDOF guidelines, Starlink will provide the following services in the areas assigned to Starlink in the RDOF program at prices comparable to existing competitor services in established areas of Utah:

- **100 Mbps / 20 Mbps Low Latency Broadband Internet Service.** As defined in the RDOF program, Starlink’s broadband Internet service will provide each customer with the 100 Mbps of download throughput and 20 Mbps of upload throughput. Latency of the broadband Internet service is below 100ms.
- **Voice Services.** Starlink will make available voice services either, at the customer’s choosing, as an add-on to its broadband Internet service or as a standalone offering.

PUBLIC INTEREST

Q. WILL GRANT OF THIS APPLICATION SERVE THE PUBLIC INTEREST?

A. Yes. Granting Starlink’s request for an ETC designation for purposes of receiving RDOF support will serve the public interest. Starlink submits that granting this Application will: (1) promote the rapid deployment of advanced services to unserved and underserved areas in Utah an efficient manner; (2) ensure that RDOF support is used efficiently and effectively with minimal impact to the size of the fund; and (3) provide customers in the Service Area a choice of service that is currently not available and not likely to be available absent the grant of this Application.

403 In the context of RDOF, the FCC required that bidders demonstrate their ability to
404 efficiently offer services through the competitive bidding process, while in their short and
405 long form applications, bidders demonstrate their ability to meet their public interest
406 obligations. Through such a process, the FCC conducts the cost benefit analysis for ETC
407 designation. Therefore, carriers need not provide additional specific evidence of service to
408 the public interest in their petitions for ETC designation.

409 It is further notable that the RDOF is part of an ongoing effort to bridge the digital
410 divide in rural America and focus limited universal service funds on unserved areas that
411 need the most support. RDOF Phase 1 prioritized the areas of the United States where
412 Americans' access to low-latency high speed internet access is the most limited. This
413 includes the portion of Utah that comprises the Service Area at issue in Starlink's
414 Application. Starlink was identified as the winning bidder in the Service Area and looks
415 forward to bringing high speed broadband internet access service to these unserved and
416 underserved areas of Utah.

417 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

418 **A.** Yes, it does.

Exhibit 1



FCC Rural Digital Opportunity Fund Phase I Auction

Auction ID: 904

Winning Bidder Summary

(Sorted by Bidder Name)

Date of Report: 12/07/2020 08:17 AM ET

Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
4-Corners Consortium	0029719283	New Mexico	\$ 2,598,030.00	635
AB Indiana LLC	0021994686	Florida	\$ 668,304.10	261
ACT	0029754652	Mississippi	\$ 1,622,136.00	925
Albion Telephone Company, Inc.	0003714805	Utah	\$ 599,795.70	141
All West Communications, Inc.	0004924809	Wyoming	\$ 46,648.00	218
Allen's T.V. Cable Service, Inc.	0003746898	Louisiana	\$ 371,348.10	620
Altice USA, Inc.	0025637406	Arkansas	\$ 58,415.00	528
Altice USA, Inc.	0025637406	Idaho	\$ 10,556.00	140
Altice USA, Inc.	0025637406	Kentucky	\$ 351,065.00	1,734
Altice USA, Inc.	0025637406	Louisiana	\$ 303,952.00	2,267
Altice USA, Inc.	0025637406	Texas	\$ 364.00	15
Altice USA, Inc.	0025637406	West Virginia	\$ 125,528.00	536
American Heartland	0002594190	Iowa	\$ 1,821,520.00	1,549
AMG Technology Investment Group LLC	0021701891	Illinois	\$ 193,098,839.90	68,921
AMG Technology Investment Group LLC	0021701891	Indiana	\$ 18,947,203.50	11,803
AMG Technology Investment Group LLC	0021701891	Iowa	\$ 112,637,885.70	36,228



FCC Rural Digital Opportunity Fund Phase I Auction

Auction ID: 904

Winning Bidder Summary

(Sorted by Bidder Name)

Date of Report: 12/07/2020 08:17 AM ET

Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
AMG Technology Investment Group LLC	0021701891	Kansas	\$ 25,546,674.50	26,466
AMG Technology Investment Group LLC	0021701891	Louisiana	\$ 6,901,822.70	1,916
AMG Technology Investment Group LLC	0021701891	Minnesota	\$ 3,736,316.00	1,408
AMG Technology Investment Group LLC	0021701891	Nebraska	\$ 25,350,146.70	13,919
AMG Technology Investment Group LLC	0021701891	New Mexico	\$ 75,554.00	265
AMG Technology Investment Group LLC	0021701891	Oklahoma	\$ 2,400,610.00	4,858
AMG Technology Investment Group LLC	0021701891	Texas	\$ 24,510,588.90	38,003
AMG Technology Investment Group LLC	0021701891	Wisconsin	\$ 1,084,045.00	346
AMG Technology Investment Group LLC	0021701891	Wyoming	\$ 14,938,386.00	2,003
Aptitude Internet LLC	0021134119	Missouri	\$ 24,655,295.20	13,535
Armstrong Telephone Company - Northern Division	0004311528	New York	\$ 21,570,556.90	9,719
Armstrong Telephone Company - Northern Division	0004311528	Ohio	\$ 94,185.50	240



FCC Rural Digital Opportunity Fund Phase I Auction

Auction ID: 904

Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Armstrong Telephone Company - Northern Division	0004311528	Pennsylvania	\$ 344,898.10	536
Arrowhead Electric Cooperative, Inc.	0007083470	Minnesota	\$ 18,462,273.10	4,879
Atlantic Broadband Finance, LLC	0015336449	Virginia	\$ 5,407,684.70	3,876
Baldwin Telecom, Inc.	0002723534	Wisconsin	\$ 11,370.00	15
Bandera Electric Cooperative, Inc.	0026644666	Texas	\$ 1,689,601.50	534
Baraga Telephone Company	0024157745	Michigan	\$ 444,490.80	164
Barry Technology Services, LLC	0024047409	Missouri	\$ 14,502.00	26
Bay Springs Telephone Company, Inc.	0003723640	Alabama	\$ 320,837.50	206
Bay Springs Telephone Company, Inc.	0003723640	Mississippi	\$ 41,265,320.50	21,061
Bay Springs Telephone Company, Inc.	0003723640	Tennessee	\$ 285,692.10	744
BEK Communications Cooperative	0002477636	North Dakota	\$ 2,157,719.00	337
Blackfoot Telephone Cooperative, Inc.	0001646165	Montana	\$ 12,703,077.60	2,687
Bloosurf, LLC	0019496462	Delaware	\$ 1,080.00	8
Bloosurf, LLC	0019496462	Maryland	\$ 780.50	9
Bruce Telephone Company, Inc.	0003773520	Wisconsin	\$ 113,745.00	32
Cal.net, Inc.	0020855656	California	\$ 29,169,982.60	44,153
California Internet, L.P. dba GeoLinks	0023707953	Arizona	\$ 79,169,580.00	32,474
California Internet, L.P. dba GeoLinks	0023707953	California	\$ 149,035,762.70	92,678



FCC Rural Digital Opportunity Fund Phase I Auction

Auction ID: 904

Winning Bidder Summary

(Sorted by Bidder Name)

Date of Report: 12/07/2020 08:17 AM ET

Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
California Internet, L.P. dba GeoLinks	0023707953	Nevada	\$ 6,684,323.00	3,145
Carolina West Wireless, Inc.	0001940022	North Carolina	\$ 460.00	28
CCO Holdings, LLC	0014939466	Alabama	\$ 51,287,535.00	56,451
CCO Holdings, LLC	0014939466	California	\$ 231,834.70	1,045
CCO Holdings, LLC	0014939466	Florida	\$ 22,577,363.90	17,869
CCO Holdings, LLC	0014939466	Georgia	\$ 29,965,114.40	23,854
CCO Holdings, LLC	0014939466	Illinois	\$ 1,029,666.00	501
CCO Holdings, LLC	0014939466	Indiana	\$ 59,927,209.10	54,541
CCO Holdings, LLC	0014939466	Kentucky	\$ 58,088,334.90	31,747
CCO Holdings, LLC	0014939466	Louisiana	\$ 29,508,812.00	25,389
CCO Holdings, LLC	0014939466	Massachusetts	\$ 21,639,762.70	14,344
CCO Holdings, LLC	0014939466	Michigan	\$ 21,663,643.40	35,944
CCO Holdings, LLC	0014939466	Missouri	\$ 48,392,327.90	61,524
CCO Holdings, LLC	0014939466	New Hampshire	\$ 2,140,554.00	1,044
CCO Holdings, LLC	0014939466	New Mexico	\$ 11,217.90	485
CCO Holdings, LLC	0014939466	North Carolina	\$ 142,076,655.00	128,509
CCO Holdings, LLC	0014939466	Ohio	\$ 106,576,629.80	112,777
CCO Holdings, LLC	0014939466	Oregon	\$ 33,534,210.20	15,139



FCC Rural Digital Opportunity Fund Phase I Auction

Auction ID: 904

Winning Bidder Summary

(Sorted by Bidder Name)

Date of Report: 12/07/2020 08:17 AM ET

Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
CCO Holdings, LLC	0014939466	Pennsylvania	\$ 3,479,199.00	5,328
CCO Holdings, LLC	0014939466	South Carolina	\$ 112,443,940.10	98,670
CCO Holdings, LLC	0014939466	Tennessee	\$ 92,855,626.70	79,193
CCO Holdings, LLC	0014939466	Texas	\$ 186,793,359.90	133,993
CCO Holdings, LLC	0014939466	Vermont	\$ 29,725.20	85
CCO Holdings, LLC	0014939466	Virginia	\$ 18,317,211.00	11,369
CCO Holdings, LLC	0014939466	Washington	\$ 11,643,447.20	4,625
CCO Holdings, LLC	0014939466	Wisconsin	\$ 168,400,490.10	143,269
Cellular Services LLC.	0007737950	Kentucky	\$ 3,294,968.60	2,142
Central Arkansas Telephone Cooperative, Inc.	0004268918	Arkansas	\$ 1,629,930.50	1,004
Centre WISP Venture Company, LLC	0025132648	Pennsylvania	\$ 11,086,348.40	6,607
CenturyLink, Inc.	0018626853	Alabama	\$ 18,597,092.50	5,965
CenturyLink, Inc.	0018626853	Arkansas	\$ 9,378,743.10	2,958
CenturyLink, Inc.	0018626853	Colorado	\$ 7,482,178.00	1,509
CenturyLink, Inc.	0018626853	Florida	\$ 5,039,442.60	1,495
CenturyLink, Inc.	0018626853	Idaho	\$ 11,650,567.20	2,576
CenturyLink, Inc.	0018626853	Louisiana	\$ 18,742,492.20	7,616
CenturyLink, Inc.	0018626853	Michigan	\$ 9,905,380.00	2,556



FCC Rural Digital Opportunity Fund Phase I Auction

Auction ID: 904

Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
CenturyLink, Inc.	0018626853	Minnesota	\$ 15,646,093.10	3,265
CenturyLink, Inc.	0018626853	Missouri	\$ 275,208.00	38
CenturyLink, Inc.	0018626853	Montana	\$ 28,379,920.90	9,658
CenturyLink, Inc.	0018626853	Nebraska	\$ 326,802.00	69
CenturyLink, Inc.	0018626853	New Mexico	\$ 2,038,002.00	770
CenturyLink, Inc.	0018626853	North Carolina	\$ 530,376.00	169
CenturyLink, Inc.	0018626853	Oregon	\$ 41,423,187.80	8,982
CenturyLink, Inc.	0018626853	Pennsylvania	\$ 21,483,885.10	5,614
CenturyLink, Inc.	0018626853	South Dakota	\$ 121,060.00	10
CenturyLink, Inc.	0018626853	Virginia	\$ 12,518,109.10	6,832
CenturyLink, Inc.	0018626853	Washington	\$ 45,838,633.80	14,875
CenturyLink, Inc.	0018626853	Wisconsin	\$ 3,135,119.80	832
CenturyLink, Inc.	0018626853	Wyoming	\$ 9,855,321.00	1,468
Chariton Valley Communications Corporation	0008437147	Missouri	\$ 8,070,272.00	5,002
Cherry Capital Connection, LLC	0017117037	Michigan	\$ 5,620,840.40	2,791
Cincinnati Bell Inc.	0003018033	Hawaii	\$ 24,313,582.00	8,049
Cincinnati Bell Inc.	0003018033	Indiana	\$ 56,802.00	68
Cincinnati Bell Inc.	0003018033	Kentucky	\$ 2,091,668.00	2,479



FCC Rural Digital Opportunity Fund Phase I Auction

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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Cincinnati Bell Inc.	0003018033	Ohio	\$ 425,528.40	535
Citizens Vermont Acquisition Corporation	0029752581	New York	\$ 373,680.00	316
City of Farmington	0001609163	New Mexico	\$ 3,179,884.50	1,106
Citynet West Virginia, LLC	0009725672	West Virginia	\$ 53,516,858.30	13,460
Co-op Connections Consortium	0029743770	Illinois	\$ 1,120,026.00	507
Co-op Connections Consortium	0029743770	Indiana	\$ 723,260.00	788
Co-op Connections Consortium	0029743770	Kentucky	\$ 3,290,415.80	1,478
Co-op Connections Consortium	0029743770	North Carolina	\$ 720,792.00	263
Co-op Connections Consortium	0029743770	Oklahoma	\$ 4,446,839.00	4,677
Co-op Connections Consortium	0029743770	Pennsylvania	\$ 42,622,762.00	12,440
Co-op Connections Consortium	0029743770	Tennessee	\$ 2,519,752.70	4,794
Co-op Connections Consortium	0029743770	Virginia	\$ 6,041,742.00	1,962
Coleman County Telephone Cooperative, Inc.	0001678044	Texas	\$ 3,142.80	11
Comcell Inc.	0001649078	Texas	\$ 4,644.00	8
Commnet Wireless, LLC	0007116403	California	\$ 335,484.60	565
Commnet Wireless, LLC	0007116403	Colorado	\$ 3,368,990.50	785
Commnet Wireless, LLC	0007116403	Idaho	\$ 2,594,984.30	1,400



FCC Rural Digital Opportunity Fund Phase I Auction

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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Commnet Wireless, LLC	0007116403	Louisiana	\$ 131,651.00	243
Commnet Wireless, LLC	0007116403	Mississippi	\$ 1,019,088.00	1,343
Commnet Wireless, LLC	0007116403	Montana	\$ 5,964,913.70	2,078
Commnet Wireless, LLC	0007116403	New Mexico	\$ 424,184.00	236
Commnet Wireless, LLC	0007116403	Pennsylvania	\$ 6,624,682.30	6,533
Commnet Wireless, LLC	0007116403	Washington	\$ 7,776,005.70	5,639
Commnet Wireless, LLC	0007116403	West Virginia	\$ 196,952.00	206
Computer 5, Inc. d/b/a LocalTel Communications	0014511364	Washington	\$ 48,818,171.30	12,530
Computer Techniques, Inc. dba CTI Fiber	0017141102	Illinois	\$ 8,509.00	12
Connect Everyone LLC	0029746260	Alabama	\$ 28,734,657.00	8,155
Connect Everyone LLC	0029746260	Arizona	\$ 61,819,443.30	22,472
Connect Everyone LLC	0029746260	Colorado	\$ 17,106,769.00	5,190
Connect Everyone LLC	0029746260	Illinois	\$ 19,233,356.00	9,534
Connect Everyone LLC	0029746260	Mississippi	\$ 18,130,649.90	4,256
Connect Everyone LLC	0029746260	Nevada	\$ 51,509,167.40	20,923
Connect Everyone LLC	0029746260	Ohio	\$ 38,273,659.90	18,280
Connect Everyone LLC	0029746260	Pennsylvania	\$ 24,513,988.00	13,792



FCC Rural Digital Opportunity Fund Phase I Auction

Auction ID: 904

Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Connect Everyone LLC	0029746260	Virginia	\$ 9,529,625.40	5,904
Connecting Rural America	0004339487	Alabama	\$ 10,395,132.20	3,792
Connecting Rural America	0004339487	Georgia	\$ 1,710,996.00	555
Connecting Rural America	0004339487	Illinois	\$ 2,040,864.80	708
Connecting Rural America	0004339487	North Carolina	\$ 33,606.00	21
Consolidated Communications, Inc.	0018633321	Florida	\$ 831,384.00	227
Consolidated Communications, Inc.	0018633321	Illinois	\$ 424,956.00	303
Consolidated Communications, Inc.	0018633321	Maine	\$ 31,067,177.00	11,513
Consolidated Communications, Inc.	0018633321	Minnesota	\$ 11,126.00	12
Consolidated Communications, Inc.	0018633321	New Hampshire	\$ 7,361,013.10	4,644
Consolidated Communications, Inc.	0018633321	Texas	\$ 140,964.00	199
Consolidated Communications, Inc.	0018633321	Vermont	\$ 19,036,717.40	10,123
Consortium 2020	0029754959	Arizona	\$ 19,787,039.50	15,636
Consortium 2020	0029754959	California	\$ 29,131,921.40	52,456
Consortium 904	0016085920	Oklahoma	\$ 40,470.00	120
Consortium of AEG and Heron Broadband I	0029770831	Michigan	\$ 187,669,124.00	48,449
Consortium of AEG and Heron Broadband I	0029770831	Minnesota	\$ 6,709,428.00	1,150



FCC Rural Digital Opportunity Fund Phase I Auction

Auction ID: 904

Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Continental Divide Electric Cooperative	0026618306	New Mexico	\$ 38,004,786.20	8,485
Corn Belt Telephone	0002592517	Iowa	\$ 42,237.00	38
Cox Communications, Inc.	0001834696	Arizona	\$ 175,042.20	1,387
Cox Communications, Inc.	0001834696	Arkansas	\$ 1,430,663.20	1,665
Cox Communications, Inc.	0001834696	California	\$ 2,386,243.70	3,118
Cox Communications, Inc.	0001834696	Kansas	\$ 14,314.50	102
Cox Communications, Inc.	0001834696	Louisiana	\$ 686,075.00	442
Cox Communications, Inc.	0001834696	Nebraska	\$ 643,867.00	185
Cox Communications, Inc.	0001834696	Nevada	\$ 286,903.30	812
Cox Communications, Inc.	0001834696	Oklahoma	\$ 93,852.00	142
Cox Communications, Inc.	0001834696	Virginia	\$ 919,559.60	359
Custer Telephone Cooperative, Inc.	0001623321	Idaho	\$ 1,954,488.00	313
Daktel Communications, LLC	0007266703	North Dakota	\$ 531,894.00	66
Daviess-Martin County Rural Telephone Corporation	0004328704	Indiana	\$ 3,565,039.40	1,371
Digital Connections Inc. dba PRODIGI	0005848759	West Virginia	\$ 8,583,001.40	4,771
Direct Communications Rockland, Inc	0004321790	Idaho	\$ 15,745,252.70	2,120
DoCoMo Pacific, Inc.	0004242723	Northern Mariana Islands	\$ 3,706,235.00	530
DTC Cable, Inc.	0005015607	New York	\$ 834,597.00	481



FCC Rural Digital Opportunity Fund Phase I Auction

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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Easton Utilities Commission	0003793726	Maryland	\$ 189,047.60	909
Emery Telephone dba Emery Telcom	0001607340	Utah	\$ 9,822,853.00	1,602
Enduring Internet	0018706002	New Mexico	\$ 11,880.00	83
Enduring Internet	0018706002	Wyoming	\$ 53,810.00	309
Etheric Communications LLC	0013358395	California	\$ 248,634,963.10	64,463
Farmers Mutual Cooperative Telephone Company	0004776464	Iowa	\$ 12,447.00	25
Farmers Mutual Telephone Company	0003747722	Minnesota	\$ 759,822.00	332
Federated Telephone Cooperative	0003741576	Minnesota	\$ 537,399.00	248
FiberLight, LLC	0014117139	Georgia	\$ 458,892.20	687
FiberLight, LLC	0014117139	New Mexico	\$ 246,737.80	940
FiberLight, LLC	0014117139	Virginia	\$ 1,067,075.80	3,038
Fond du Lac Communications Inc	0029221694	Minnesota	\$ 1,046,123.00	728
Frontier Communications Corporation, DIP	0029445723	California	\$ 33,379,752.20	14,943
Frontier Communications Corporation, DIP	0029445723	Connecticut	\$ 320,106.00	80
Frontier Communications Corporation, DIP	0029445723	Florida	\$ 492,732.00	838



FCC Rural Digital Opportunity Fund Phase I Auction

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Winning Bidder Summary

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Frontier Communications Corporation, DIP	0029445723	Illinois	\$ 10,139,606.70	3,315
Frontier Communications Corporation, DIP	0029445723	New York	\$ 37,291,314.60	12,226
Frontier Communications Corporation, DIP	0029445723	Pennsylvania	\$ 40,977,864.00	15,782
Frontier Communications Corporation, DIP	0029445723	Texas	\$ 673,062.00	613
Frontier Communications Corporation, DIP	0029445723	West Virginia	\$ 247,626,395.30	79,391
Frontier Communications Northwest, LLC	0029765211	Idaho	\$ 22,603,097.80	6,386
Frontier Communications Northwest, LLC	0029765211	Montana	\$ 5,818,165.30	1,874
Frontier Communications Northwest, LLC	0029765211	Oregon	\$ 8,715,378.00	3,706
Frontier Communications Northwest, LLC	0029765211	Washington	\$ 20,066,009.70	9,370
Gardonville Cooperative Telephone Association	0004320164	Minnesota	\$ 63,903.00	24
GigaBeam Networks, LLC	0018473223	Virginia	\$ 92.00	1
GigaBeam Networks, LLC	0018473223	West Virginia	\$ 28,067,789.20	9,071



FCC Rural Digital Opportunity Fund Phase I Auction

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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Grain Communications Opportunity Fund II, L.P.	0029662251	California	\$ 5,475,647.80	1,620
Grain Communications Opportunity Fund II, L.P.	0029662251	Nebraska	\$ 19,816.40	116
Grain Communications Opportunity Fund II, L.P.	0029662251	Oregon	\$ 13,677,209.40	4,151
Great Plains Consortium	0003741550	Minnesota	\$ 81,700.60	402
Great Plains Consortium	0003741550	North Dakota	\$ 15,582.00	3
Great Plains Consortium	0003741550	South Dakota	\$ 3,330,590.70	1,474
H&B Communication's, Inc.	0002331601	Kansas	\$ 11,301.60	47
Halstad Telephone Company	0003744224	Minnesota	\$ 3,118,056.40	603
Halstad Telephone Company	0003744224	North Dakota	\$ 9,023,062.00	1,217
Hamilton County Telephone Co-op	0004323499	Illinois	\$ 7,796,825.30	2,351
Hamilton Long Distance Company	0003708013	Nebraska	\$ 128,560.30	167
Hankins Information Technology	0027344498	California	\$ 2,171,844.50	3,727
Hawaii Dialogix Telecom LLC	0023933112	Illinois	\$ 5,687,249.00	1,364
Hawaii Dialogix Telecom LLC	0023933112	Michigan	\$ 219,918.00	15
Hawaii Dialogix Telecom LLC	0023933112	Ohio	\$ 102,786.00	16
Heart of the Catskills Comm. Inc., dba MTC Cable	0004984837	New York	\$ 398,574.00	188



FCC Rural Digital Opportunity Fund Phase I Auction

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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Home Communications, Inc.	0010627446	Kansas	\$ 15,540.00	54
HomeTown Broadband, Inc.	0029677846	Arkansas	\$ 1,424,229.00	1,295
Horizon Communications, Inc.	0016300493	Wyoming	\$ 2,033,292.00	609
Horry Telephone Cooperative, Inc.	0001886944	South Carolina	\$ 729,554.50	2,267
Hotwire Communications, Ltd	0009846494	Florida	\$ 5,150,040.00	3,233
Hughes Network Systems, LLC	0017434911	Rhode Island	\$ 1,273,784.00	3,678
IdeaTek Telcom, LLC	0015798648	Kansas	\$ 23,590.60	89
KanOkla Telephone Association	0004362364	Kansas	\$ 15,966.00	59
KanOkla Telephone Association	0004362364	Oklahoma	\$ 10,572.00	31
Lakeland Communications Group, LLC	0003744398	Wisconsin	\$ 408,952.00	550
LICT Corporation	0007759178	California	\$ 1,063,513.10	235
LICT Corporation	0007759178	Iowa	\$ 71,984.70	98
LICT Corporation	0007759178	Wisconsin	\$ 540,329.00	302
LigTel Communications, Inc.	0007770084	Indiana	\$ 385,924.00	416
LR Communications, Inc.	0014024640	Kansas	\$ 13,974.00	24
LTD Broadband LLC	0020926788	California	\$ 187,506,059.70	76,856
LTD Broadband LLC	0020926788	Colorado	\$ 69,016,527.10	11,518
LTD Broadband LLC	0020926788	Illinois	\$ 103,247,994.10	42,503



FCC Rural Digital Opportunity Fund Phase I Auction

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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
LTD Broadband LLC	0020926788	Indiana	\$ 54,456,917.90	31,330
LTD Broadband LLC	0020926788	Iowa	\$ 23,184,786.30	12,916
LTD Broadband LLC	0020926788	Kansas	\$ 3,228,948.00	2,122
LTD Broadband LLC	0020926788	Minnesota	\$ 311,877,936.40	102,005
LTD Broadband LLC	0020926788	Missouri	\$ 158,793,688.30	52,812
LTD Broadband LLC	0020926788	Nebraska	\$ 33,228,644.40	28,729
LTD Broadband LLC	0020926788	North Dakota	\$ 8,574,318.00	831
LTD Broadband LLC	0020926788	Ohio	\$ 8,179,419.00	4,766
LTD Broadband LLC	0020926788	Oklahoma	\$ 81,098,352.90	39,889
LTD Broadband LLC	0020926788	South Dakota	\$ 46,588,453.80	7,481
LTD Broadband LLC	0020926788	Texas	\$ 42,668,488.60	26,260
LTD Broadband LLC	0020926788	Wisconsin	\$ 189,270,184.10	88,070
MARQUETTE-ADAMS TELEPHONE COOPERATIVE, INC.	0003774023	Wisconsin	\$ 55,378.00	66
MCC Network Services, LLC	0025942202	Illinois	\$ 36,204.00	72
Mediacom Communications Corporation	0007282312	Alabama	\$ 1,449,630.10	5,700
Mediacom Communications Corporation	0007282312	Florida	\$ 93,814.20	507



FCC Rural Digital Opportunity Fund Phase I Auction

Auction ID: 904

Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Mediacom Communications Corporation	0007282312	Georgia	\$ 407,683.90	1,824
Mediacom Communications Corporation	0007282312	North Carolina	\$ 303,526.80	1,721
MEI Telecom, Inc.	0023107519	Michigan	\$ 479,789.10	175
Mercury Wireless, Inc.	0018603027	Illinois	\$ 5,109,552.80	9,633
Mercury Wireless, Inc.	0018603027	Indiana	\$ 9,746,150.00	20,961
Mercury Wireless, Inc.	0018603027	Kansas	\$ 147,073.60	765
Mercury Wireless, Inc.	0018603027	Michigan	\$ 37,598,649.40	77,925
Mercury Wireless, Inc.	0018603027	Missouri	\$ 4,254,918.50	14,094
Mercury Wireless, Inc.	0018603027	Ohio	\$ 11,454,497.70	44,306
Micrologic Inc.	0018675256	West Virginia	\$ 10,036,047.70	2,076
Midcontinent Communications	0002621951	Minnesota	\$ 4,453,803.70	6,058
Midcontinent Communications	0002621951	North Dakota	\$ 184,168.80	206
Midcontinent Communications	0002621951	South Dakota	\$ 322,500.50	242
Miles Communications LLC	0003734951	Iowa	\$ 316,641.00	106
Minnesota Connections c/o Consolidated Tel Company	0003742467	Minnesota	\$ 2,040,278.70	979
Mountain View Telephone Company	0001730944	Arkansas	\$ 298,572.00	43



FCC Rural Digital Opportunity Fund Phase I Auction

Auction ID: 904

Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Mountain West Technologies Corporation	0015643182	Wyoming	\$ 141,801.20	690
NBVDS Investment, L.L.C.	0017194986	Oklahoma	\$ 1,655,443.40	2,387
Net Ops Communications, LLC	0025394529	Texas	\$ 69,676.40	1,586
Newport Utilities	0027152438	Tennessee	\$ 159,492.00	59
NexTier Consortium	0029756582	Alabama	\$ 1,368,306.90	4,116
NexTier Consortium	0029756582	Arkansas	\$ 32,255,788.20	10,739
NexTier Consortium	0029756582	Georgia	\$ 161,124.00	281
NexTier Consortium	0029756582	Illinois	\$ 2,646,496.40	815
NexTier Consortium	0029756582	Louisiana	\$ 1,710,200.30	1,639
NexTier Consortium	0029756582	Michigan	\$ 627,072.00	537
NexTier Consortium	0029756582	Mississippi	\$ 45,169,908.90	11,693
NexTier Consortium	0029756582	Missouri	\$ 2,108,576.90	2,011
NexTier Consortium	0029756582	Ohio	\$ 1,081,309.10	7,568
NexTier Consortium	0029756582	Oregon	\$ 11,152,903.10	1,762
NexTier Consortium	0029756582	Pennsylvania	\$ 5,105,375.70	4,460
NexTier Consortium	0029756582	Tennessee	\$ 9,648,243.20	12,895
NexTier Consortium	0029756582	Texas	\$ 3,276,899.00	14,498
NexTier Consortium	0029756582	Virginia	\$ 9,975,489.60	7,595



FCC Rural Digital Opportunity Fund Phase I Auction

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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
NMSURF, Inc.	0018795427	New Mexico	\$ 26,964.00	212
Northeast Missouri Rural Telephone Company	0004337044	Missouri	\$ 60,126.00	7
Northern Arapaho Tribal Industries	0020993077	Wyoming	\$ 7,799,035.00	2,408
Nova Cablevision, Inc	0004962015	Illinois	\$ 785,400.00	155
NRTC Phase I RDOF Consortium	0018539916	Alabama	\$ 169,652.90	3,042
NRTC Phase I RDOF Consortium	0018539916	Georgia	\$ 9,925,188.20	7,420
NRTC Phase I RDOF Consortium	0018539916	Indiana	\$ 19,791,000.70	30,318
NRTC Phase I RDOF Consortium	0018539916	Iowa	\$ 356,440.10	305
NRTC Phase I RDOF Consortium	0018539916	Louisiana	\$ 1,283,546.30	652
NRTC Phase I RDOF Consortium	0018539916	Michigan	\$ 59,402,901.70	44,534
NRTC Phase I RDOF Consortium	0018539916	Mississippi	\$ 32,399,695.30	14,222
NRTC Phase I RDOF Consortium	0018539916	Missouri	\$ 1,682,687.60	644
NRTC Phase I RDOF Consortium	0018539916	New Hampshire	\$ 6,884,633.60	7,663
NRTC Phase I RDOF Consortium	0018539916	Oregon	\$ 2,210,256.20	1,720
NRTC Phase I RDOF Consortium	0018539916	South Carolina	\$ 45,666.00	34
NRTC Phase I RDOF Consortium	0018539916	Vermont	\$ 9,559,117.70	6,875
NRTC Phase I RDOF Consortium	0018539916	Virginia	\$ 11,878,740.80	7,670
NRTC Phase I RDOF Consortium	0018539916	Washington	\$ 1,125,151.10	236



FCC Rural Digital Opportunity Fund Phase I Auction

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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
NTS Communications, LLC	0004266938	Texas	\$ 8,923.00	13
One Ring Networks, Inc	0027986132	California	\$ 68,385.00	1,170
One Ring Networks, Inc	0027986132	Georgia	\$ 60,102.50	810
One Ring Networks, Inc	0027986132	Maryland	\$ 9,227.50	81
Palmetto Telephone Communications, LLC	0003741386	South Carolina	\$ 570,024.00	264
Paul Bunyan Rural Telephone Cooperative	0002644953	Minnesota	\$ 16,307,892.10	5,088
Pembroke Telephone Company, Inc.	0003715885	Georgia	\$ 1,053,063.00	601
Peoples Communication, LLC.	0004943221	Texas	\$ 4,140.00	4
Peoples Telecom, LLC	0001792829	Kentucky	\$ 5,668,121.40	2,431
Pine Belt Communications, Inc.	0001754183	Alabama	\$ 11,126,003.10	4,220
Pine Cellular Phones, Inc.	0012882643	Oklahoma	\$ 2,303,742.10	2,459
Pinpoint Bidding Coalition	0001566983	Nebraska	\$ 31,254.00	32
Pioneer Long Distance, Inc.	0003728615	Oklahoma	\$ 50,994.00	1,346
Pioneer Wireless, Inc	0011283405	Maine	\$ 5,543,142.00	1,638
Plains Internet, LLC	0025360173	Kansas	\$ 9,834.00	3
Plains Internet, LLC	0025360173	Texas	\$ 4,074.00	4
Plains Internet, LLC	0025360173	Wyoming	\$ 331,716.00	243



FCC Rural Digital Opportunity Fund Phase I Auction

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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Plateau Telecommunications, Incorporated	0003800570	New Mexico	\$ 3,150.00	2
Point Broadband Fiber Holding, LLC	0028957306	Alabama	\$ 51,040,733.50	21,818
Point Broadband Fiber Holding, LLC	0028957306	Georgia	\$ 4,241,074.70	2,000
Point Broadband Fiber Holding, LLC	0028957306	Michigan	\$ 11,429,098.90	5,918
Point Broadband Fiber Holding, LLC	0028957306	New York	\$ 6,559,460.00	2,568
Point Broadband Fiber Holding, LLC	0028957306	Virginia	\$ 5,144,046.00	2,168
Prospero Broadband Consortium	0029700937	Arkansas	\$ 50,921,578.70	36,969
Prospero Broadband Consortium	0029700937	Mississippi	\$ 42,351,227.10	14,333
Prospero Broadband Consortium	0029700937	Tennessee	\$ 7,093,203.00	10,497
PVT NetWorks, Inc.	0001612555	New Mexico	\$ 12,039.00	38
QCOL, Inc.	0019663095	Pennsylvania	\$ 235,146.00	88
RC Technologies	0003728680	South Dakota	\$ 263,796.00	118
RDOF USA Consortium	0029740594	Alabama	\$ 73,217,003.70	36,248
RDOF USA Consortium	0029740594	California	\$ 819,773.20	1,552
RDOF USA Consortium	0029740594	Kentucky	\$ 57,041.00	60
RDOF USA Consortium	0029740594	Mississippi	\$ 32,487,629.80	15,341
RDOF USA Consortium	0029740594	Tennessee	\$ 5,462,575.00	10,629
Redzone Wireless, LLC	0026369231	Maine	\$ 507,752.00	755



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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Reedsburg Utility Commission	0005221866	Wisconsin	\$ 6,439,594.10	4,488
Reservation Telephone Cooperative	0002477743	North Dakota	\$ 337,080.00	73
Resound Networks, LLC	0024535437	Arizona	\$ 16,495,471.10	42,847
Resound Networks, LLC	0024535437	Arkansas	\$ 60,111,774.60	26,119
Resound Networks, LLC	0024535437	Colorado	\$ 29,530,678.10	11,797
Resound Networks, LLC	0024535437	Kansas	\$ 33,039,420.70	16,922
Resound Networks, LLC	0024535437	New Mexico	\$ 59,171,497.60	19,500
Resound Networks, LLC	0024535437	Oklahoma	\$ 17,889,694.40	19,109
Resound Networks, LLC	0024535437	Texas	\$ 94,443,072.40	82,945
RHMD, LLC	0021036439	Georgia	\$ 18,303,843.20	6,943
Rivers High Group	0002721157	Wisconsin	\$ 3,540,398.10	1,315
Roseau Electric Cooperative, Inc.	0009568379	Minnesota	\$ 1,228,494.00	266
Rural American Broadband Consortium	0002430510	Georgia	\$ 509,970.60	349
Rural American Broadband Consortium	0002430510	Indiana	\$ 1,186,542.80	565
Rural American Broadband Consortium	0002430510	Missouri	\$ 4,525,266.00	1,410
Rural American Broadband Consortium	0002430510	Montana	\$ 226,116.00	209
Rural American Broadband Consortium	0002430510	Ohio	\$ 364,846.70	412
Rural American Broadband Consortium	0002430510	South Dakota	\$ 1,659,116.00	726



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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Rural Electric Cooperative Consortium	0029719259	Arizona	\$ 18,384,651.20	14,574
Rural Electric Cooperative Consortium	0029719259	Arkansas	\$ 179,437,594.20	73,018
Rural Electric Cooperative Consortium	0029719259	Colorado	\$ 83,179,164.60	25,255
Rural Electric Cooperative Consortium	0029719259	Florida	\$ 82,504,050.40	62,480
Rural Electric Cooperative Consortium	0029719259	Georgia	\$ 82,638,074.00	60,184
Rural Electric Cooperative Consortium	0029719259	Illinois	\$ 16,621,874.50	6,487
Rural Electric Cooperative Consortium	0029719259	Indiana	\$ 593,915.10	822
Rural Electric Cooperative Consortium	0029719259	Kentucky	\$ 21,396,303.60	30,398
Rural Electric Cooperative Consortium	0029719259	Louisiana	\$ 113,667,025.30	53,245
Rural Electric Cooperative Consortium	0029719259	Michigan	\$ 18,072,102.90	22,176
Rural Electric Cooperative Consortium	0029719259	Mississippi	\$ 220,576,631.80	89,505
Rural Electric Cooperative Consortium	0029719259	Missouri	\$ 88,238,706.80	44,910
Rural Electric Cooperative Consortium	0029719259	New Mexico	\$ 18,102,076.90	6,292
Rural Electric Cooperative Consortium	0029719259	New York	\$ 8,672,225.90	3,012
Rural Electric Cooperative Consortium	0029719259	Ohio	\$ 1,980,535.00	1,336
Rural Electric Cooperative Consortium	0029719259	Oklahoma	\$ 42,248,692.80	47,552
Rural Electric Cooperative Consortium	0029719259	Oregon	\$ 41,613,794.00	9,928
Rural Electric Cooperative Consortium	0029719259	South Carolina	\$ 876,151.20	2,213



FCC Rural Digital Opportunity Fund Phase I Auction

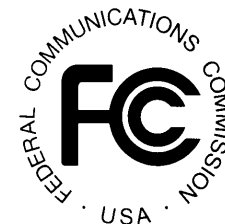
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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Rural Electric Cooperative Consortium	0029719259	Tennessee	\$ 16,032,342.90	19,777
Rural Electric Cooperative Consortium	0029719259	Texas	\$ 4,222,892.50	9,071
Rural Electric Cooperative Consortium	0029719259	Virginia	\$ 45,320,113.40	36,203
Rural Electric Cooperative Consortium	0029719259	Wisconsin	\$ 17,034.00	38
Safelink Internet LLC	0016179855	Nevada	\$ 1,197,661.50	2,728
Sandhill Telephone Cooperative, Inc.	0001886464	South Carolina	\$ 6,396.00	1
Savage Communications	0004069167	Minnesota	\$ 6,090,479.10	4,541
Scott County Telephone Cooperative, Inc.	0002069862	Tennessee	\$ 339,393.00	1,926
Scott County Telephone Cooperative, Inc.	0002069862	Virginia	\$ 416,448.60	480
Segnem Egere Consortium	0029760014	Arkansas	\$ 6,485,973.90	3,335
Segnem Egere Consortium	0029760014	Louisiana	\$ 142,323,296.80	52,430
Segnem Egere Consortium	0029760014	Mississippi	\$ 4,045,170.00	1,622
Shenandoah Cable Television, LLC	0021657853	Virginia	\$ 4,967,749.50	8,223
Shenandoah Cable Television, LLC	0021657853	West Virginia	\$ 91,867.00	419
Siuslaw Broadband, LLC dba Hyak Technologies	0020535944	Oregon	\$ 1,611,684.90	554
Skywave Wireless, Inc.	0021644448	Nebraska	\$ 57,660.00	12



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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
SLIC Network Solutions, Inc.	0011412129	New York	\$ 978,722.00	3,660
Socket Telecom, LLC	0008515595	Missouri	\$ 232,768.80	393
Somerset Telephone Co., Inc.	0002720977	Wisconsin	\$ 669,564.00	1,208
South Arkansas Telephone Company	0001730142	Arkansas	\$ 11,387,245.50	5,093
Space Exploration Technologies Corp.	0026043968	Alabama	\$ 54,680,526.60	36,554
Space Exploration Technologies Corp.	0026043968	Arkansas	\$ 12,383,305.50	17,725
Space Exploration Technologies Corp.	0026043968	California	\$ 5,746,960.80	6,297
Space Exploration Technologies Corp.	0026043968	Colorado	\$ 39,752,936.50	19,176
Space Exploration Technologies Corp.	0026043968	Connecticut	\$ 3,890,305.00	2,819
Space Exploration Technologies Corp.	0026043968	Florida	\$ 33,630,822.60	34,757
Space Exploration Technologies Corp.	0026043968	Georgia	\$ 27,614,882.00	22,961
Space Exploration Technologies Corp.	0026043968	Hawaii	\$ 427,200.00	32
Space Exploration Technologies Corp.	0026043968	Idaho	\$ 54,543,468.90	26,717
Space Exploration Technologies Corp.	0026043968	Illinois	\$ 8,325,104.00	12,478
Space Exploration Technologies Corp.	0026043968	Kentucky	\$ 8,483,592.90	6,696
Space Exploration Technologies Corp.	0026043968	Louisiana	\$ 26,558,634.90	29,171
Space Exploration Technologies Corp.	0026043968	Maine	\$ 34,057,837.30	13,849
Space Exploration Technologies Corp.	0026043968	Maryland	\$ 4,060,771.30	5,413



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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Space Exploration Technologies Corp.	0026043968	Massachusetts	\$ 10,992,153.70	11,136
Space Exploration Technologies Corp.	0026043968	Michigan	\$ 9,852,045.00	8,079
Space Exploration Technologies Corp.	0026043968	Minnesota	\$ 8,424,807.60	7,529
Space Exploration Technologies Corp.	0026043968	Mississippi	\$ 44,019,661.30	38,956
Space Exploration Technologies Corp.	0026043968	Montana	\$ 72,723,246.20	29,478
Space Exploration Technologies Corp.	0026043968	Nevada	\$ 3,858,555.70	2,976
Space Exploration Technologies Corp.	0026043968	New Hampshire	\$ 8,871,460.00	4,389
Space Exploration Technologies Corp.	0026043968	New Jersey	\$ 10,739,474.00	8,686
Space Exploration Technologies Corp.	0026043968	New Mexico	\$ 25,635,954.90	19,721
Space Exploration Technologies Corp.	0026043968	New York	\$ 20,909,624.30	13,729
Space Exploration Technologies Corp.	0026043968	North Carolina	\$ 17,422,993.10	19,552
Space Exploration Technologies Corp.	0026043968	Oregon	\$ 57,897,559.60	35,653
Space Exploration Technologies Corp.	0026043968	Pennsylvania	\$ 63,065,275.00	59,200
Space Exploration Technologies Corp.	0026043968	South Carolina	\$ 6,163,912.70	4,287
Space Exploration Technologies Corp.	0026043968	Tennessee	\$ 12,361,515.80	11,306
Space Exploration Technologies Corp.	0026043968	Utah	\$ 20,961,877.00	8,630
Space Exploration Technologies Corp.	0026043968	Vermont	\$ 3,908,075.00	2,247
Space Exploration Technologies Corp.	0026043968	Virginia	\$ 62,390,792.80	53,640



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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Space Exploration Technologies Corp.	0026043968	Washington	\$ 80,379,119.90	52,086
Space Exploration Technologies Corp.	0026043968	West Virginia	\$ 13,822,221.30	9,337
Space Exploration Technologies Corp.	0026043968	Wyoming	\$ 16,952,965.20	7,663
St Paul Cooperative Telephone Association	0004979555	Oregon	\$ 190,908.00	39
St. John Telco	0004528410	Washington	\$ 7,116,876.00	1,057
Talkie Communications, Inc.	0024272841	Delaware	\$ 13,300,968.00	7,749
Talkie Communications, Inc.	0024272841	Maryland	\$ 43,764,042.20	31,349
Taylor Telephone Coop., Inc. dba Taylor Telecom	0004924478	Texas	\$ 5,466.00	2
Tennessee Cooperative Group Consortium	0029742053	Illinois	\$ 860,082.00	268
Tennessee Cooperative Group Consortium	0029742053	Kentucky	\$ 3,253,445.10	3,957
Tennessee Cooperative Group Consortium	0029742053	Tennessee	\$ 1,867,989.80	3,400
Terral Telephone Company	0004320412	Oklahoma	\$ 716,381.20	2,299
TruVista Communications, Inc.	0003707775	Georgia	\$ 2,059,050.80	2,778
Unified Communications Inc.	0023896962	Texas	\$ 1,604.00	17
Union Telephone Company	0001630201	Wyoming	\$ 1,264,770.00	157



FCC Rural Digital Opportunity Fund Phase I Auction

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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Visionary Communications, Inc.	0018092593	Colorado	\$ 396,465.80	986
Visionary Communications, Inc.	0018092593	Wyoming	\$ 4,053,798.60	3,198
W. T. Services, Inc.	0001655125	Texas	\$ 8,785.70	177
WC Fiber, LLC	0024824443	South Carolina	\$ 98,189.50	945
Wikstrom Telephone Company	0004319372	Minnesota	\$ 983,637.00	228
Wildstar	0029765443	Florida	\$ 1,790.00	21
Wilkes Telephone Membership Corporation	0003718426	North Carolina	\$ 1,304,889.80	2,715
Wilkes Telephone Membership Corporation	0003718426	Virginia	\$ 44,750,453.60	37,155
Windstream Services LLC, Debtor-In-Possession	0028299675	Alabama	\$ 28,417,716.50	10,193
Windstream Services LLC, Debtor-In-Possession	0028299675	Arkansas	\$ 56,934,478.20	19,172
Windstream Services LLC, Debtor-In-Possession	0028299675	Florida	\$ 40,763,866.10	19,937
Windstream Services LLC, Debtor-In-Possession	0028299675	Georgia	\$ 147,345,052.70	48,208
Windstream Services LLC, Debtor-In-Possession	0028299675	Iowa	\$ 5,355,920.50	2,472



FCC Rural Digital Opportunity Fund Phase I Auction

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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Windstream Services LLC, Debtor-In-Possession	0028299675	Kentucky	\$ 43,003,810.90	15,787
Windstream Services LLC, Debtor-In-Possession	0028299675	Minnesota	\$ 6,548,964.10	2,899
Windstream Services LLC, Debtor-In-Possession	0028299675	Mississippi	\$ 12,638,681.00	5,733
Windstream Services LLC, Debtor-In-Possession	0028299675	Missouri	\$ 3,078,402.40	1,342
Windstream Services LLC, Debtor-In-Possession	0028299675	Nebraska	\$ 579,530.00	195
Windstream Services LLC, Debtor-In-Possession	0028299675	New Mexico	\$ 15,516,006.80	5,252
Windstream Services LLC, Debtor-In-Possession	0028299675	New York	\$ 2,302,961.00	748
Windstream Services LLC, Debtor-In-Possession	0028299675	North Carolina	\$ 4,187,143.00	2,159
Windstream Services LLC, Debtor-In-Possession	0028299675	Ohio	\$ 1,504,808.00	857
Windstream Services LLC, Debtor-In-Possession	0028299675	Oklahoma	\$ 1,600,807.00	1,284
Windstream Services LLC, Debtor-In-Possession	0028299675	Pennsylvania	\$ 148,746,180.70	53,846



FCC Rural Digital Opportunity Fund Phase I Auction

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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Windstream Services LLC, Debtor-In-Possession	0028299675	South Carolina	\$ 312,153.00	152
Windstream Services LLC, Debtor-In-Possession	0028299675	Texas	\$ 4,052,297.90	2,331
Winnebago Cooperative Telecom Association	0002590057	Iowa	\$ 84,096.10	70
Winnebago Cooperative Telecom Association	0002590057	Minnesota	\$ 20,541.70	178
Wisper-CABO 904 Consortium	0029745213	Arizona	\$ 16,441.10	55
Wisper-CABO 904 Consortium	0029745213	Arkansas	\$ 104,926.00	949
Wisper-CABO 904 Consortium	0029745213	Idaho	\$ 3,387,413.00	1,054
Wisper-CABO 904 Consortium	0029745213	Illinois	\$ 97,504.20	40
Wisper-CABO 904 Consortium	0029745213	Iowa	\$ 8,586.00	12
Wisper-CABO 904 Consortium	0029745213	Louisiana	\$ 18,458.60	62
Wisper-CABO 904 Consortium	0029745213	Minnesota	\$ 1,671.00	19
Wisper-CABO 904 Consortium	0029745213	Missouri	\$ 1,159,205.80	857
Wisper-CABO 904 Consortium	0029745213	Nebraska	\$ 11,256.00	11
Wisper-CABO 904 Consortium	0029745213	New Mexico	\$ 125,532.00	129
Wisper-CABO 904 Consortium	0029745213	North Dakota	\$ 697.60	47
Wisper-CABO 904 Consortium	0029745213	Texas	\$ 37,633.00	214



FCC Rural Digital Opportunity Fund Phase I Auction

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Winning Bidder Summary

(Sorted by Bidder Name)

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Bidder	FRN	State	Assigned Support over 10 Years	Number of Locations Assigned
Wisper-CABO 904 Consortium	0029745213	Washington	\$ 5,118.00	4
Wood County Telephone Company d/b/a Solarus	0003744141	Wisconsin	\$ 28,848.00	15
Worldwide Technologies, Inc.	0018998831	Missouri	\$ 700,874.20	496
WTC Communications, Inc.	0003766680	Kansas	\$ 40,845.20	174
XIT Telecommunication & Technology	0001650233	Texas	\$ 43,254.50	464
yondoo Broadband LLC	0027576503	Missouri	\$ 54,833.80	110
Yucca Telecommunications Systems, Inc.	0004320362	New Mexico	\$ 26,221.00	19
Zito West Holding, LLC	0027133545	Pennsylvania	\$ 457,596.00	279
TOTAL			\$ 9,230,688,714.90	5,220,833

Exhibit 2



FCC Rural Digital Opportunity Fund Phase I Auction

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State Results Summary

(Sorted by State)

Date of Report: 12/07/2020 08:17 AM ET

State	Total Assigned Support over 10 Years	Number of Locations Assigned	Winning Bidders
Alabama	\$ 330,804,827.50	196,460	13
Arizona	\$ 195,847,668.40	129,445	7
Arkansas	\$ 424,243,217.60	200,612	15
California	\$ 695,158,129.10	364,878	15
Colorado	\$ 249,833,709.60	76,216	8
Connecticut	\$ 4,210,411.00	2,899	2
Delaware	\$ 13,302,048.00	7,757	2
District of Columbia	\$ 0.00	0	0
Florida	\$ 191,753,609.90	141,625	11
Georgia	\$ 326,454,112.20	179,455	15
Hawaii	\$ 24,740,782.00	8,081	2
Idaho	\$ 112,489,827.90	40,706	8
Illinois	\$ 378,310,110.70	159,967	19
Indiana	\$ 169,379,964.50	152,983	11
Iowa	\$ 143,892,544.40	53,819	11
Kansas	\$ 62,107,482.70	46,827	12
Kentucky	\$ 148,978,767.20	98,909	11
Louisiana	\$ 342,207,315.20	175,692	13
Maine	\$ 71,175,908.30	27,755	4



FCC Rural Digital Opportunity Fund Phase I Auction

Auction ID: 904

State Results Summary

(Sorted by State)

Date of Report: 12/07/2020 08:17 AM ET

State	Total Assigned Support over 10 Years	Number of Locations Assigned	Winning Bidders
Maryland	\$ 48,023,869.10	37,761	5
Massachusetts	\$ 32,631,916.40	25,480	2
Michigan	\$ 362,985,055.60	249,263	13
Minnesota	\$ 408,150,745.60	142,841	22
Mississippi	\$ 495,725,799.60	218,990	12
Missouri	\$ 346,297,660.20	199,211	17
Montana	\$ 125,815,439.70	45,984	6
Nebraska	\$ 60,377,536.80	43,435	10
Nevada	\$ 63,536,610.90	30,584	5
New Hampshire	\$ 25,257,660.70	17,740	4
New Jersey	\$ 10,739,474.00	8,686	1
New Mexico	\$ 165,209,718.60	64,170	18
New York	\$ 99,891,715.70	46,647	10
North Carolina	\$ 166,580,441.70	155,137	9
North Dakota	\$ 20,824,521.40	2,780	8
Northern Mariana Islands	\$ 3,706,235.00	530	1
Ohio	\$ 170,038,205.10	191,093	11
Oklahoma	\$ 154,556,450.80	126,153	13
Oregon	\$ 212,027,091.20	81,634	10



FCC Rural Digital Opportunity Fund Phase I Auction

Auction ID: 904

State Results Summary

(Sorted by State)

Date of Report: 12/07/2020 08:17 AM ET

State	Total Assigned Support over 10 Years	Number of Locations Assigned	Winning Bidders
Pennsylvania	\$ 368,743,200.30	184,505	13
Rhode Island	\$ 1,273,784.00	3,678	1
South Carolina	\$ 121,245,987.00	108,833	9
South Dakota	\$ 52,285,517.00	10,051	6
Tennessee	\$ 148,625,826.20	155,220	11
Texas	\$ 362,662,934.10	310,962	22
Utah	\$ 31,384,525.70	10,373	3
Vermont	\$ 32,533,635.30	19,330	4
Virginia	\$ 238,644,933.90	186,475	16
Washington	\$ 222,768,532.70	100,422	9
West Virginia	\$ 362,066,660.20	119,267	9
Wisconsin	\$ 373,715,051.20	240,546	14
Wyoming	\$ 57,471,543.00	18,966	11
TOTAL	\$ 9,230,688,714.90	5,220,833	

Exhibit 3

Proposed ETC Service Area (Census Blocks)

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Exhibit 4

