



March 7, 2014

Marlene H. Dortch, Secretary  
Federal Communications Commission  
Office of Secretary  
445 12<sup>th</sup> Street SW  
Washington, DC 20554

**VIA Electronic Filing**

RE: Expression of Interest  
Next Generation Network Experiment in Rural America  
Connect America Fund  
WC Docket No. 10-90

**Dear Ms. Dortch:**

**EXPRESSION OF INTEREST**

**Background**

Jaguar Communications, Inc. ("Jaguar") is a small CLEC telecommunications provider that primarily serves rural areas of Southern Minnesota. Over the past five years, Jaguar built an 800-plus mile fiber optic network that serves un-served and underserved residents with fiber to the premises ("FTTP") offering high speed data, landline phone, and video service. Jaguar has been able to offer potential customers along and near the network bandwidth speeds for home starting at a minimum of 15M/5M.

Where home clusters exist within a relatively close proximity to the network, Jaguar deployed fiber to those clusters to offer FTTP service. Hence, the cluster residents benefit from the availability of high speed data rather than the mere minimum wireless and, in some areas, simple dial up services, that they were previously limited to. Jaguar's fiber optic packages are outlined in the attached information.

Jaguar has identified five underserved areas that are theoretically within reach of its existing fiber optic network where residents could benefit from FTTP. However, those five communities are not in close enough proximity to the Jaguar network to make extending Jaguar's current fiber network economically feasible absent contribution assistance. Since the communities are small, rural areas, it is cost prohibitive for Jaguar to simply extend fiber despite the fact that it would like to empower the communities with FTTP. The areas identified are as follows:

- Dexter, MN
- Rose Creek, MN
- Plato, MN
- Hayward, MN
- Wells/Warsaw Townships, MN

Although, in some cases, the communities have access to limited broadband via DSL or wireless, other parts of the communities have no internet options.



## Territory

### Dexter, MN

- Approximately 15 miles northeast of Austin, MN and approximately 25 miles southwest of Rochester, MN
- Population as of 2010 Census: 341
- Housing Units 144
- Census Tract: 270990012
- Located in Mower County

### Rose Creek, MN

- Approximately 11 miles southeast of Austin, MN and 41 miles southwest of Rochester, MN
- Population as of 2010 Census: 394
- Housing Units: 162
- Census Tract: 270990010
- Located in Mower County

### Plato, MN

- Approximately 6 miles east of Glencoe, MN and 48 miles west of Minneapolis.
- Population as of 2010 Census: 310
- Housing Units 139
- Census Tract 270859506
- Located in McLeod County

### Hayward, MN

- Approximately 9 miles east of Albert Lea and 46 miles southwest of Rochester, MN.
- Population as of 2010 Census: 250
- Housing Units 114
- Census Tract 270471810
- Located in Freeborn County

### Wells/Warsaw Townships, MN

- Approximately 4 miles west of Faribault, MN
- Population as of 2010 Census: 1,320
- Housing Units: Approximately 500
- Census Tract 271310703, 271310704
- Located in Rice County



### **List of Anchor Institutions**

The diminutive nature of the communities renders them without large institutions that typically provide anchors for FTTP projects. Despite the community size—and perhaps because of it—residents would reap tremendous benefits by being connected to the Jaguar fiber network, including potential access to telemedicine and distance learning, along with other similar services. Jaguar’s vast network and connectivity to health, educational, and business systems would enable adults and students the ability to take of advantage of more online services.

### **Proposed Technology**

Jaguar proposes building an FTTP network capable of serving all homes and businesses identified in the geographic territory discussed above. The system would deliver high speed data, telephone and video television that would be offered as stand-alone services, or in combinations of two or three services. Jaguar’s current package and pricing options are reflected in the attached material.

### **State and/or Local or Tribal Government Participation in and/or Support for Project**

Jaguar envisions this FTTP project to be partnership between the FCC and Jaguar. Since the communities are small and without anchor institutions, it is unrealistic to rely on community funding. Hence, Jaguar proposes that the FCC make a one-time capital investment to provide for expansion of Jaguar’s fiber optic network to each community. Jaguar would fund the cost to overlay each community with an FTTP build-out.

### **Existing Providers**

Dexter, MN

- Jaguar Communications, Inc. provides 33 video channels but is not currently able to offer broadband access to residents.
- Century Link provides telephone and limited DSL service.

Rose Creek, MN

- Jaguar Communications, Inc. provides 33 video channels but is not currently able to offer broadband access to residents.
- Century Link provides telephone and limited DSL service.

Plato, MN

- Jaguar Communications, Inc. provides 33 video channels but is not currently able to offer broadband access to residents.
- Frontier provides telephone and limited DSL service.



#### Hayward, MN

- Jaguar Communications, Inc. provides 33 video channels but is not currently able to offer broadband access to residents.
- Century Link provides telephone and limited DSL service.

#### Wells/Warsaw Townships

- Jaguar Communications, Inc. provides 33 video channels but is not currently able to offer broadband access to residents.
- Century Link provides telephone and partial DSL service to a few homes.

### Project Timeline

This project is essentially shovel-ready and could be started at any time, as preliminary mapping work is complete. The project could be completed in one season and, if started promptly, could be finished by Fall of 2014

### Scalability

The project is scalable, as the areas and investment are broken out separately.

### Preliminary Cost Estimate

#### **Jaguar Investment**

• Dexter	\$ 140,000
• Rose Creek	\$ 155,000
• Plato	\$ 75,000
• Hayward	\$ 155,000
• Wells/Warsaw Townships	\$ 480,000
<b>Total Jaguar Investment</b>	<b>\$1,005,000</b>

#### **One-Time Capital Infrastructure Investment Needed**

• Dexter	\$ 148,000
• Rose Creek	\$ 135,000
• Plato	\$ 53,000
• Hayward	\$ 120,000
• Wells/Warsaw Townships	\$ 90,000
<b>Total One-Time Capital Investment Needed</b>	<b>\$ 546,000</b>

**Total Project Cost** **\$1,551,000**



213 South Oak Ave  
 Owatonna, MN 55060 - 507-214-1000  
 FIBER TO THE HOME APPLICATION FORM

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Alt: \_\_\_\_\_  
 SSN (last 4) \_\_\_\_\_ Birth Date: \_\_\_\_\_

Service Order: \_\_\_\_\_  
 Account: \_\_\_\_\_  
 Salesperson: \_\_\_\_\_  
 County: \_\_\_\_\_  
 Township: \_\_\_\_\_

**PRICE GUARANTEED FOR TWO YEARS**

**SINGLE PLAYS**

- Bronze Internet **15M/5M** \$ **49.95**
- Silver Internet **30M/10M** \$ **69.95**
- Gold Internet **50M/20M** \$ **89.95**
- Platinum Internet **100M/50M** \$ **159.95**
- Stand Alone Phone \$ **19.95**
- Stand Alone Video \$ **79.95**
- Single Play Activation \$ **150.00**

*-Required when sign up for service*

**DOUBLE PLAYS**

- Bronze Internet & Phone \$ **64.95**
- Silver Internet & Phone \$ **84.95**
- Gold Internet & Phone \$ **99.95**
- Platinum Internet & Phone \$ **169.95**
- Phone & Video \$ **99.95**
- Bronze Internet & Video \$ **99.95**
- Silver Internet & Video \$ **109.95**
- Gold Internet & Video \$ **119.95**
- Platinum Internet & Video \$ **199.95**

**TRIPLE PLAY**

- Bronze Internet, Phone, & Video \$ **129.95**
- Silver Internet, Phone, & Video \$ **139.95**
- Gold Internet, Phone, & Video \$ **159.95**
- Platinum Internet, Phone, & Video \$ **229.95**

**PHONE FEATURES:** ESA, Caller name and ID, Call Waiting, Call Forwarding, Speed Dial 8, Select Call Rejection, Select Call Acceptation, Three Way Calling, Last Call Return.

- Voicemail \$ **4.95**
- Non Published \$ **2.45**
- Unlisted \$ **2.45**

**ENHANCED SERVICE AREAS (ESA):**

Albert Lea, Austin, Blooming Prairie, Faribault, Glenville, Owatonna, Rochester, Stewartville, Waseca

**LONG DISTANCE PLANS**

- Nationwide Calling (up to 1,000 minutes) \$ **10.00**  
*-Nationwide Plan doesn't include ESA- .05 after 1000*
- .05 cents per minute

**ADDITIONAL SERVICES/EQUIPMENT**

(1 DVR OR 2 HD RECEIVERS INCLUDED)

- HD capable Receiver # of boxes \_\_\_\_\_ \$ **4.95 ea**
- HD capable DVR # of boxes \_\_\_\_\_ \$ **9.95 ea**
- HD channels Whole House \$ **10.00**
- HBO (9 channels) \$ **19.95**
- Cinemax (10 channels) \$ **14.95**
- Starz/Encore (15 channels) \$ **12.95**
- Showtime (13 channels) \$ **14.95**

**CURRENT SPECIAL - OFFER**

PRICE DOES NOT INCLUDE TAXES & MANDATED CHARGES

**One Time Charges**

- Activation: \$ \_\_\_\_\_
- Drop footage: Total \_\_\_\_\_ Billed \_\_\_\_\_ \$ \_\_\_\_\_
- TV hookups (\$50 ea. after 2): \_\_\_\_\_ \$ \_\_\_\_\_
- Wireless router purchase: \$ \_\_\_\_\_
- Other cable runs: \$ \_\_\_\_\_

**Total:** \$ \_\_\_\_\_

**Monthly recurring before taxes/fees** \$ \_\_\_\_\_

\_\_\_\_\_  
 Customer Signature Date

\_\_\_\_\_  
 Jaguar Communications Date

# HBC-Jaguar Cable, LLC Channel Lineup - North Area

## CHANNEL

### Basic Channels

2	tpt2 Mnpls/St.Paul
4	WCCO-CBS Minneapolis
5	KSTP - ABC St. Paul
7	Jaguar Local Channel
8	WFTC-(My29) Minneapolis
9	KMSP - Fox Minneapolis
11	KARE - NBC Minneapolis
12	KEYC - CBS Mankato
13	WUCW -CW Minneapolis
14	WGN America - Chicago, IL.
17	tpt17 - PBS Minneapolis
18	KSTC -45 Minneapolis
19	KPXM (ION)
20	QVC - Shopping
22	Cool TV

### Expanded Basic Channels

23	Lifetime
24	WeTV
25	MLB
26	ESPN
27	ESPN2
28	ESPN Classic
29	NFL Network
30	Golf Channel
31	FSN
32	Speed/Fox Sports 1
33	NBC Sports Network
34	BTN
35	VH1
36	MTV
37	CMT
38	USA
39	TNT
40	TBS
41	FX
42	Spike TV
43	History
44	HGTV
45	Discovery
46	TLC
47	Animal Planet
48	Food Network
49	Travel Channel
50	CNN
51	HLN
52	FOX NEWS

## CHANNEL

53	MSNBC
54	CNBC
55	The Weather Channel
56	Comedy Central
57	SYFY
58	Bravo
59	A&E
60	ABC Family
61	GSN
62	E!
63	truTV
64	Disney
65	Disney XD
66	Nickelodeon
67	TV Land
68	Cartoon Network
69	The Hub
70	Destination America
71	OWN
72	FX Movie Channel
73	AMC
74	IFC
75	Lifetime Movie Network
76	TCM
77	Disney Junior
78	Hallmark
79	EWTN
80	RFD TV
81	Oxygen
82	National Geographic
83	BET
84	Cooking Channel
85	Hallmark Movie Channel
86	Reelz Channel
87	National Geo Wild
90	Weather Now (KARE)
91	tptLIFE - PBS Minneapolis
92	This TV - Minneapolis
93	Me TV - Minneapolis
94	Antenna TV - Minneapolis
95	LiveWell - St. Paul
98	HSN - Home Shopping Network
150	Lifetime Real Women
151	Fox Sports 2
152	MoviePlex
153	ABC News Now

## CHANNEL

154	Fox Business
155	Bloomberg
156	Univision
157	Boomerang
158	Open Channel
159	BBC America
160	MTV2
161	MTV Hits
162	VH1 Classic
163	ESPN NEWS
164	ESPNU
165	Fox Soccer Channel
166	Outdoor Channel
167	Sportsman
168	TeenNick
169	BIO
170	DIY
171	H2
172	Investigation Discovery
173	Military Channel
174	Science Channel
175	Discovery Fit & Health
176	FUSE
177	G4
178	Style
179	Nicktoons
180	Nick Jr.
181	Chiller
182	TBN
183	BTN1
184	BTN2
185	Tennis
186	Universal Sports
187	FSNPlus
188	GAC

### Sports Xtra

(priced as separate package)

600	NFL Red Zone
601	World Fishing Network
602	Fox College Sports Atlantic
603	Fox College Sports Central
604	Fox College Sports Pacific
605	Wild World Extreme
606	Wheels TV
607	Go!TV
608	NFL Red Zone HD
609	World Fishing Network HD

LIMITED BASIC • EXPANDED BASIC • DIGITAL ENHANCED PROGRAMMING  
 PREMIUM CHANNELS • MUSIC CHANNELS • HD CHANNELS

**CHANNEL**

*Music Channels*

302	SWRV
303	Hits
304	HH RB
305	MCU
306	Dance/Electonica
307	Rap
308	Hip-Hop Classics
309	Throwback jamz
310	R&B Classics
311	R&B Soul
312	Gospel
313	Reggae
314	Classic Rock
315	Retro Rock
316	Rock
317	Metal
318	Alternative
319	Classic Alternative
320	Adult Alternative
321	Soft Rock
322	Pop Hits
323	90's
324	80's
325	70's
326	Solid Gold Oldies
327	Party Favorites
328	Stage and Screen
329	Kidz Only
330	Toddler Tunes
331	Today's Country
332	True Country
333	Classic Country
334	Contemporary Christian
335	Sounds of The Seasons
336	Soundscapes
337	Smooth Jazz
338	Jazz
339	Blues
340	Singers and Swing
341	Easy Listening
342	Classical Masterpieces
343	Light Classical
344	Music Urbana
345	Pop Latina
346	Tropicales
347	Mexicana
348	Romances

**PREMIUM CHANNELS**

**HBO PAK**

200	HBO East
202	HBO 2
203	HBO Signature
204	HBO Latino
205	HBO Family
206	HBO Comedy

**CHANNEL**

207	HBO Zone
208	HBO HD
210	HBO West
<b>CINEMAX PAK</b>	
220	Cinemax East
221	Cinemax West
222	MoreMax
223	ActionMax
224	ThrillerMax
225	WMAX
226	aMax
227	5StarMax
228	OuterMax
229	Max HD
<b>Showtime Unlimited PAK</b>	
230	Showtime East
231	Showtime West
232	SHO 2
233	Showcase
234	Extreme
235	Beyond
236	Next
237	Family
238	Women
239	The Movie Channel
240	TMC Extra
241	Flix
242	Showtime HD
<b>STARZ! Super PAK</b>	
250	Starz East
251	Starz West
252	Starz Edge
253	Starz in Black
254	Starz Comedy
255	Starz Cinema
256	Starz Kids & Family
257	Starz HD
258	Encore
259	Encore Espanol
260	Encore Action
261	Encore Love
262	Encore Westerns
263	Encore Suspense
264	Encore Drama
265	Encore Family
401	Hayfield Community Channel
402	Medford Community Channel
502	tpt2 HD St. Paul
503	WFTC MY29
504	WCCO CBS HD Minneapolis
505	KSTP ABC HD St. Paul
509	KMSP Fox9 HD Minneapolis
511	KARE11 NBC HD Minneapolis
513	WUCW CW
514	QVC
518	KSTC 45 HD Minneapolis

**CHANNEL**

*HD Channels*

525	MLB HD
528	ESPN HD
529	ESPN2 HD
530	GOLF HD
531	NFL HD
532	Speed HD
533	FSN HD
535	NBC SPORTS
536	BTN HD
537	Lifetime Movies Net
538	USA HD
539	Lifetime HD
540	Universal
541	TNT HD
542	National Geographic
543	Food Network
544	Velocity HD
545	HD NET Movies
546	Discovery
547	HGTV HD
548	History HD
549	A&E HD
550	SYFY HD
551	MGM HD
552	Discovery HD Theatre
553	Disney HD
554	Animal Planet HD
555	Science HD
556	Destination America HD
557	Investigation Discovery HD
558	CNN HD
559	Fox News HD
560	MSNBC HD
561	CNBC HD
562	FX HD
563	E! HD
564	BRAVO HD
565	TLC HD
566	AMC HD
567	Nickelodeon HD
568	CMT HD
569	MTV HD
570	Comedy Central HD
571	VH1 HD
572	TBS HD
573	Travel Channel HD
574	AXS-TV
575	Cooking Channel HD
576	Hallmark Movie HD
577	Universal Sports HD
578	HUB HD
579	BBC America HD