



1.800.386.0236

March 6, 2014

**Letter – Expression of Interest
VIA ECFS**

Chairman Thomas Wheeler
Commissioner Mignon Clyburn
Commissioner Jessica Rosenworcel
Commissioner Ajit Pai
Commissioner Michael O’Rielly
Jonathan Chambers
Federal Communications Commission
445 12th Street, SW 20024
Washington, DC

**Re: Expression of Interest – Rural Broadband Experiments
Connect America Fund, WC Docket No. 10-90**

Dear Chairman Wheeler, Commissioners, and Mr. Chambers,

This letter is to express NCN Data Networks interest in receiving funding from the Rural Broadband Experiments announced at the January 30th FCC Open Meeting.

Background

NCN Data Networks designed and began to provision a rural Wireless Internet Services Provider (WISP) network in 2013.

NCN Data has concentrated on building a network of small, low profile relays and towers throughout Monroe & Northampton counties of PA . Due to tower locations, we also serve portions of Northwestern NJ

The current network has been built entirely on private finds from owners and fees from services.

Geographic Territory

NCN Data Networks plan is to provide Hi Speed Broadband up to 20 to 40 mps in the following Census Tracts:

42089300101	42	089	300101	Pennsylvania	Monroe County	Census Tract 3001.01
42089300102	42	089	300102	Pennsylvania	Monroe County	Census Tract 3001.02
42089300201	42	089	300201	Pennsylvania	Monroe County	Census Tract 3002.01
42089300202	42	089	300202	Pennsylvania	Monroe County	Census Tract 3002.02
42089300301	42	089	300301	Pennsylvania	Monroe County	Census Tract 3003.01
42089300304	42	089	300304	Pennsylvania	Monroe County	Census Tract 3003.04
42089300305	42	089	300305	Pennsylvania	Monroe County	Census Tract 3003.05
42089300307	42	089	300307	Pennsylvania	Monroe County	Census Tract 3003.07
42089300308	42	089	300308	Pennsylvania	Monroe County	Census Tract 3003.08



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42089300309	42	089	300309	Pennsylvania	Monroe County	Census Tract 3003.09
42089300311	42	089	300311	Pennsylvania	Monroe County	Census Tract 3003.11
42089300312	42	089	300312	Pennsylvania	Monroe County	Census Tract 3003.12
42089300401	42	089	300401	Pennsylvania	Monroe County	Census Tract 3004.01
42089300402	42	089	300402	Pennsylvania	Monroe County	Census Tract 3004.02
42089300403	42	089	300403	Pennsylvania	Monroe County	Census Tract 3004.03
42089300501	42	089	300501	Pennsylvania	Monroe County	Census Tract 3005.01
42089300502	42	089	300502	Pennsylvania	Monroe County	Census Tract 3005.02
42089300600	42	089	300600	Pennsylvania	Monroe County	Census Tract 3006
42089300700	42	089	300700	Pennsylvania	Monroe County	Census Tract 3007
42089300800	42	089	300800	Pennsylvania	Monroe County	Census Tract 3008
42089300900	42	089	300900	Pennsylvania	Monroe County	Census Tract 3009
42089301001	42	089	301001	Pennsylvania	Monroe County	Census Tract 3010.01
42089301002	42	089	301002	Pennsylvania	Monroe County	Census Tract 3010.02
42089301101	42	089	301101	Pennsylvania	Monroe County	Census Tract 3011.01
42089301102	42	089	301102	Pennsylvania	Monroe County	Census Tract 3011.02
42089301202	42	089	301202	Pennsylvania	Monroe County	Census Tract 3012.02
42089301203	42	089	301203	Pennsylvania	Monroe County	Census Tract 3012.03
42089301204	42	089	301204	Pennsylvania	Monroe County	Census Tract 3012.04
42089301205	42	089	301205	Pennsylvania	Monroe County	Census Tract 3012.05
42089301301	42	089	301301	Pennsylvania	Monroe County	Census Tract 3013.01
42089301302	42	089	301302	Pennsylvania	Monroe County	Census Tract 3013.02
42089301401	42	089	301401	Pennsylvania	Monroe County	Census Tract 3014.01
42089301402	42	089	301402	Pennsylvania	Monroe County	Census Tract 3014.02

Eligible Telecommunications Carrier (ETC) Status.

We are not an Eligible Telecommunications Carrier (ETC). We are working to identify potential partners who have ETC status in Pennsylvania

List of Anchor Institutions

While we can provide wireless services to all anchor institutions in our county, they currently have services that connect them.

Proposed technology

We Plan to offer 20 to 40 mps of internet Data to our subscriber installation to our customer will cost \$99.00

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

We Have secured telephone pole attachment rights in some area to also allow last mile Fiber delivery to our customers

Existing Providers

At Current there is DSL offered and Cable Modem service in some of our service areas. Since our service is delivered via wireless we can provide service in areas of the county’s with no Hi speed access.



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Project Timeline

Upon approval of the project and availability of funds, we will start immediately. It is expected that installation of the fiber backbone to our NOC will take 3 to 6 Months. Each AP install will take 3 to 5 days. Depending upon customer take rate, we expect we could be complete in 3 to 6 month of grant.

Scalability

With the additional new Fiber backbone feed to our Network control center, will allow NCN Data Networks to achieve 10 Gigs of Bandwidth from our upstream provider. This will allow NCN Data to offer Very High Speed Internet access to Monroe County PA.

Total Business Investment

Approximately \$28,000 for new Fiber Backbone to provide Bandwidth to our NOC. In addition, we will construct 25 Microcell Access points to distribute the 20 to 40 MPS of internet Bandwidth to subscribers in the county. This would cost approximately \$1000 per site in equipment cost for a total of \$25,000

Investment Needed

As of this time all of the funding would have to come from this grant. However, there is a possibility that Pennsylvania may be able to match some funding, as it would reduce the state's annual support fund, if it proves successful. We will explore what might be made available from other sources.

Leveraging Funds

We are exploring the opportunity to coordinate with other projects and leverage funds..

Total Project Cost

New Fiber Backbone Bandwidth \$30,000

25 New Microcell AP sites \$ 25,000

Total Project cost \$55,000

Thank you for considering our Expression of Interest in your decision about the amount of funding that will be allocated in the Rural Broadband Experiments. We commend the FCC in this effort to connect rural communities and are ready to help you close the digital divide.



1.800.386.0236

Sincerely,

Robert Johnstone

Rob Johnstone
Owner
NCN Data Networks