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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 ECSIS.NET, LLC, Pinnacle Ventures, LLC, and West Tennessee Communications’ interest in receiving funding from the Rural Broadband Experiments announced at the January 30th FCC Open Meeting.

Background

ECSIS.NET, LLC was started in December of 1994 in Dyersburg, TN. We were the only company in Dyer County offering dialup, web services and email. We eventually grew to 2000 dialup customers. We started offering Fixed Wireless services in 2008 partnering with West Tennessee Communications, with speeds of 1.5Mbs down and 356Kbs up. In approximately 2004, CableOne upgraded their cable and started Internet. In 2007, att started offering DSL, which we resold, to our dialup customers. We partnered with Pinnacle, LLC who received a Community Connect Grant through US Dept. of Agriculture in approximately 2010 to provide Internet service in rural Lauderdale County, TN. Dyersburg Electric Systems has run dark fiber throughout Dyersburg and Dyer County in 2012. ECSIS.NET, LLC has connected to this fiber, and in 2013 we are lighting this fiber for seven commercial clients. We have two more proposals pending which we feel will become fiber clients. We have discussed bringing this fiber to the rural areas that are listed in the census tracts listed below.

Our limitation in expansion has always been the availability of affordable Bandwidth for our backbone. We now have a wireless backbone across the county, which can support up to 700Mbps full duplex. We serve most areas in the county from that backbone. We load up between 20 to 30 customers per broadcast access point (AP) radio and can currently deliver an aggregate of 14Mbps from each radio. We do not put any data limits on our customers. Many of these areas, have lots of trees and ridges so it is hard to serve with our line of sight radios.

We do not currently offer telephone services but will either find a partner that can offer qualified VOIP services over our network, or file for CLEC status in Tennessee and we offer the VOIP service ourselves. In addition, most of our county is completely covered by cellular phone services. Most of our customers use us for Internet and Cellular for telephone. But we do have a growing number of customers going out to the free-market VOIP providers to get telephone services.

Geographic Territory

The following census tracts are the area we are proposing to upgrade or add new service towers.

Dyer County, Tennessee- Tracts: 47045964000, 47045964300, 4704594400, 4704594500, 4704594600, 4704594800, and 4704594900.

Lake County, Tennessee- Tracts: 47095960200 and 47095960100.

Lauderdale County, Tennessee- Tracts: 47097050100, 47097050200, 47097050300, 47097050400, 47097050503, 47097050504, 47097050505, 47097050506, and 47097050600.

Eligible Telecommunications Carrier (ETC) Status.

We are not an Eligible Telecommunications Carrier (ETC). We have partners who are ETC or will file with State of Tennessee Public Service Commission to become a CLEC, thereby giving us the ETC designation.

List of Anchor Institutions

We are providing either fiber or wireless service to the following anchor institutions: Dyer County Local Governments, Dyer County Sheriff's Office, Dyersburg State Community College on both the Dyersburg campus and Trenton, TN. Campus.

Proposed technology

We will upgrade our current sites to the Cambium PMP-450 and ePMP wireless radio systems allowing us to increase bandwidth to current subscribers and add approximately 15 sites to reach customers not currently served. We would change out existing customers subscriber radios with either the new Cambium's 450 SMs or ePMP SM, thereby giving them access to greater bandwidth. The upgrade and new equipment will allow us to increase aggregate delivery of service from 14Mbps to 80Mbps.

Project Timeline

Upon approval of the project and availability of funds, we will start immediately.

Project Cost

Upgrade 26 existing sites to new Cambium radios at \$9,000 per site or \$234,000.

Upgrade 700 existing customers to Cambium SM at \$425 per user or \$297,500.

Construct 15 new tower sites to reach unserved customers at \$50,000 per site or \$750,000.

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.

Sincerely,

Robert E. Mayfield
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ECSIS.NET, LLC

Larry Smith
Chief Technology Officer and Partner
ECSIS.NET, LLC

Chris Young
Co Owner
Pinnacle Ventures, LLC

John Young
Project Manager
West Tennessee Communications