



Axiom Technologies
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January 28, 2010

ConnectME Authority
Phillip Lindley, Executive Director
138 Statehouse Station
Augusta, ME 04333

Re: Round Four – Town of Brooksville Broadband Project

Funding requested: \$94,188.93

Dear Members of the Connect Maine Authority,

Axiom Technologies, in collaboration with the Town of Brooksville, submits this Pre-application letter for Round Four ConnectME funding. A letter of support from the Town of Brooksville is attached.

Brooksville has 791 homes, based on the 2009 State Planning Office Projections. Axiom has contacted Time Warner Cable, Fairpoint Communications and Premium Choice Broadband and based on ongoing discussions will determine the unserved homes in this 33.8 square mile area.

Axiom has a Reseller's Agreement with Fairpoint Communications and is committed to deploying DSL where possible and only deploying wireless in the unserved areas.

Axiom has had discussions with Tom Federle, attorney for Time Warner Cable regarding overlap of service. An Overlap Avoidance Agreement will be signed by Axiom for Time Warner Cable if it is determined that there is cable Internet availability in some areas of Brooksville. Time Warner Cable understands that wireless service knows no boundaries and that there will be crossover of Axiom's wireless network over Time Warner's existing coverage. However, per the Overlap Avoidance Agreement, Axiom will not deploy wireless service if the subscriber can access Time Warner's cable Internet service.

Premium Choice Broadband has some wireless coverage in the Brooksville area and they have provided Axiom with maps depicting their coverage.

At a meeting represented by several towns in the Brooksville Region, including Brooksville, on January 14, 2010, town officials and the public confirmed that Brooksville has no broadband availability in several areas and requested Axiom to apply to the ConnectME Authority for funding. Lack of broadband in Brooksville, Maine was confirmed via the ConnectME Broadband Availability mapping. These reports demonstrate the essential need for broadband capability in unserved areas of Brooksville, Maine.

Axiom Technologies is a telecommunications company located in Machias, Maine that provides broadband, Internet access options and technical computer and networking services to businesses and residential subscribers. We have been working diligently for the past five years in bringing high-speed, wireless broadband service to Washington County and beyond. Expanding our existing network to include Brooksville is technically viable and achievable within a relatively short time frame. A tower will be constructed (site to be determined) and an estimated four smaller, “mini-PoPs”, will be installed throughout the region to expand coverage in order to reach a 90% goal to the unserved areas. The Town of Brooksville will provide the land, if site is viable, to construct the tower as part of the grant match.

Service is provided to the customer’s premises (either business or residential) via wireless technology. The systems utilized are fixed point to multipoint radio networks whereby multiple subscriber radios at the customer’s premises connect to master transmitter sites on towers, hilltops and buildings that possess geographical advantages including height and clear sight lines. In this manner, site selection for these “Access Points” is similar in process to that of a cellular phone carrier; however, our cost to deploy transmitters is much lower, allowing more transmitters to be installed within a geographical area, thereby improving coverage and accessibility.

Axiom utilizes several different radio frequencies, 900 MHz, 2.4 GHz and 5.8 GHz which have proven very effective in high-speed broadband deployment. We have added 3.6 GHz radio gear to transmitter sites which enables the availability of a 10Mbit symmetrical product that is cost effective. Axiom has obtained the necessary FCC licensing to field and operate radio electronics in the 3.65 GHz band. The technologies utilized are capable of over-the-air data transmission rates up to 100mbit. Axiom’s subscriber plans set customer bandwidth at between 1 and 10mbit downstream and 500k – 1.5mbit upstream for residential service. Up to 10mbit symmetrical service is available for businesses requiring increased upstream bandwidth for server hosting or similar applications. In addition to the advanced radio systems, Axiom will also be installing augmented power systems for protection against AC grid outages; the primary cause for service interruption in the Downeast region. These power systems utilize deep battery arrays and, where terrain permits, power generation via hybrid solar and wind generators.

Axiom has a proven technical last mile solution for pushing broadband into rural communities that have been historically blocked from service due to technological, geographical and financial hurdles. Five years of deployment and operation of our

technology has demonstrated its viability as a cost effective, adaptable and reliable solution for rural Maine.

Axiom Technologies, in collaboration with the Town of Brooksville, is committed to extending this proven technology into unserved areas and is seeking \$94,188.93 in ConnectME grant funding.

Sincerely,

Susan M. Corbett, CEO

Nelson Geel, CTO

SELECTMEN & ASSESSORS

John H Gray, Chairman
Richard M Bakeman
Darrell Fowler

OVERSEERS OF THE POOR

John H Gray, Chairman
Richard M Bakeman
Darrell Fowler

OFFICE ADMINISTRATOR

Gayle M Clifford

ASSESSORS' AGENT

RJD Appraisals, Ellery G Banc

CODE ENFORCEMENT OFFICER**PLUMBING INSPECTOR**

Lewis P Hutchins

Town of Brooksville, Maine

First settled in 1777

Incorporated June 13, 1817

SELECTMEN AVAILABLE
WEDNESDAY MORNINGS
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A Unique & Friendly Maine Town
Phone 207-326-4518 Fax 207-326-8039

TAX COLLECTOR

Yvonne Redman
TREASURER
Freida L Peasley

TOWN CLERK & REGISTRAR

Amber Bakeman

ROAD COMMISSIONER

Mark Blake

HARBORMASTER

Sarah Cox

ANIMAL CONTROL

Robert Gross

FIRE CHIEF

Matthew Dow

SUPERINTENDENT OF SCHOOL UNION 93

Arthur Wittine

Mr. Phillip Lindley
Executive Director
Connect ME Authority
138 State House Station
Augusta, Maine 04333

Mr. Lindley:

January 27, 2010

As many rural and coastal Maine towns, the Town of Brooksville currently lacks adequate broadband services. For that reason we are very interest in the venture Connect ME Authority and Axiom are proposing.

High-speed Internet service is "not just for entertainment" any more. It has become a necessity of everyday life not only in education and government but also in business.

Many businesses use the Internet to establish a web site to advertise as well as a market for their services or products. Instead of going to the "Yellow Pages" today people go on line to choose any thing from a vacation destination to finding a plumber. Often the business or travel agent chosen will depend upon the image advertised through the Internet on a web site. Successful web site management is not possible without broadband availability. We feel Towns in rural areas lose business entrepreneurs who are not interested in coming to their communities because working out of their homes may be difficult if not impossible without the availability of this broadband service.

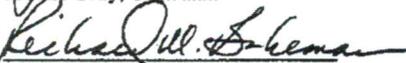
The State of Maine also requires use of the internet by towns and municipalities. Motor Vehicle Reporting, Central Voter Reporting, and the Inland Fisheries & Wildlife MOSES program are just a few examples. Rural Towns are at a bit of step or two back without access to broadband service.

Please consider this letter as a preliminary application for resources available under the current round of Connect ME Authority Grant Funds. Funds designed to provide broadband to areas of rural Maine such as Brooksville.

The Town of Brooksville looks forward not only to working with Connect ME and Axiom Technologies.

Sincerely


John H Gray, Chairman


Richard M Bakeman


Darrell F Fowler

Brooksville Board of Selectmen, 2010