



Axiom Technologies
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May 29, 2009

ConnectME Authority
Phillip Lindley, Executive Director
Statehouse Station 18
Augusta, ME 04333

Re: Pre-Application Letter for Town of Eastbrook Broadband Project

Funding requested: \$76,352.00

Dear Members of the Connect Maine Authority,

Axiom Technologies, in collaboration with the Town of Eastbrook, submits this Pre-Application Letter in response to the ConnectME Authority Grant Funding Program for deployment of broadband in rural Maine.

Eastbrook has 219 homes, based on the 2009 State Planning Office Projections. Axiom Technologies and the Town of Eastbrook have a goal of bringing high-speed broadband access to 90% of these households.

At an Eastbrook Selectmen's meeting on May 12, 2009, town officials and the public confirmed that Eastbrook has no broadband availability and requested Axiom to apply to the ConnectME Authority for funding. Lack of broadband in Eastbrook, Maine was confirmed via the ConnectME Broadband Availability mapping. These reports demonstrate the essential need for broadband capability in the unserved Town of Eastbrook, 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 four years in bringing high-speed, wireless broadband service to Washington County and beyond. Expanding our existing network to include Eastbrook is technically viable and achievable within a relatively short time frame. A tower will be constructed to serve the majority of the town and smaller, "mini-PoPs" installed throughout the region to expand coverage in order to reach the 90% goal.

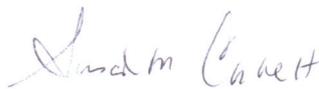
Service is provided to the customer's premises (either business or residential) via wireless technology. The systems utilized are fixed point to multipoint radio networks whereby multiple subscriber radios at the customer's premises connect to master transmitter sites on towers, hilltops and buildings 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 3.3 GHz – 3.9GHz 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.

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. Four 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 Eastbrook, is committed to extending this proven technology into this unserved area and is seeking \$76,352.00 in ConnectME grant funding.

Sincerely,



Susan M. Corbett, CEO



Nelson Geel, CTO