Broadband USA Applications Database

Applicant Name: Hot Spot Technologies

Project Title: Extend the Existing Infratructure, Provide Incentives to Share, Outreach to the Unaware

Project Type: Sustainable Adoption

_____**Executive Summary**_____

Problem being addressed: The fact that many persons are not taking advantage of the power of the computer and internet access. This problem is caused lack of education, limited financial resouces and limited access to the technologies.

The first step in solving the access problem is to offer those who already have access the incentives to share their cennectivity with the public. This could be done thru secure multiple SSID's and subnetting existing home and business site3. Basically public money could be used to pay the setup, equipment and partial connectivity costs of those willing to share their connections. These owners would get reduced costs and the public would gain greater access. Wireless would be used extensively.

In really underserved area public money would need to be used to initially pay for the connectivity. Computer equipment could be provided thru a low interest loan program.

Thses incentives could be offered to public housing complexes, community centers, small businesses like barber shops, laundramats and restuarants, etc. Willing homeowners in underserved neighborhoods could be offered the same incentives.

Teachers would need to be sent on a regular basis to community centers and homes to provide proper training and incentives in computer and web usage.

In some neighborhoods instructors would need to be sent to those who do not request help to demonstrate to them how this technology can benefit them. Otherwise, why would they request something that they have no idea of it's value to them.

Locally trained students and others would be paid to provide setup and training.

To assist those who cannot afford this technology, kiosk-type computers could be made availabe

in some of the same willing small businesses as mentioned above. This would also be a shared cost arrangement with the public and owners benefitting. This should result in computer equipment being in close proximity to many not now served.

The elderly and mobility impaired would need to be considered on a case by case basis.

All areas of the 2nd Congerssional could experience improved access. This project would involve creating shared wireless and wired hot spots in neighborhoods, small businesses, community centers and isolated rural communities.

The 2nd Congressional District has a population of 630,000. This would represent about 150,000 households.It has a poverty rate of 21.9%. This would indicate at least 30,000 households needing assistance. Some shared hot spots able to wirelessly reach 5 - 10 other families. This means that 3000 to 4000 shared hot spots could go a long was in solving the problem.

I am a Cisco Academy Networking Academy instructor at Albany Technical College. Part of my job responsibilities is to teach this kind of hot spot setup. I have contacts with many trained students who could be paid to implement various phases of this project and gain valuable experience.

We would be creating 30 - 50 contract type jobs for students and others in the area.

With computers, routers and setup and maintenance costs this project could cost $ 1,500,000 to

$ 2,000,000.