



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

Table of Contents

- A. General Application Information**
- B. Eligibility Factors**
- C. Executive Summary**
- D. Project Purpose**
- E. Project Benefits**
 - E-1 - Expanding Broadband Public Computer Center Capacity**
 - E-2 - Project Benefits – Sustainable BroadBand Adoption**
- F. Project Viability**
- G. Project Budget & Sustainability**
- H. DOC Environmental Checklist**
- I. Compliance and Certification**
- J. Uploads**



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

A. General Application Information

1. Applicant Information

1-A. Name, Address, and Federal ID for Applicant

i. Legal Name:	Future Generations Graduate School
ii. Employer/Taxpayer Identification Number (EIN/TIN):	204093450
Street 1:	HC 73 Box 100
Street 2:	
City:	Franklin
County:	Pendleton
State:	WV
Country	United States
Zip/Postal Code:	26807

1-B. Name and Contact Information of Person to be Contacted on Matters Involving this Application:

Prefix:	Mr.
First Name:	Daniel
Middle Name:	C
Last Name:	Taylor
Suffix:	
Telephone Number:	304-358-2000
Fax Number:	
Email:	traci@future.org
Title:	President

1-C. Other Required Identification Numbers



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

i. Organizational DUNS:	83-135-5321
ii. CCR # (CAGE):	5LLA6
iii. Funding Opportunity Number:	2
iv. Catalog of Federal Domestic Assistance Number:	BTOP CFDA Number: 11.557 BTOP CFDA Title: Broadband Technology Opportunities Program

1-D. Organization Classification

Non-Profit Corporation

1-E. Applicant Federal Debt Delinquency Explanation

Is the Applicant Delinquent On Any Federal Debt?
No

Federal debt delinquency Explanation:
N/A

1-F. Congressional Districts of:

Applicant: West Virginia - 2

Program/Project
West Virginia - 1
West Virginia - 2
West Virginia - 3

2. Project Title and Project Description

2-A. Project Title : Equipping West Virginia’s Fire and Rescue Squads with Technology and Training to Serve Communities



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

2-B. Project Description: This proposal prepares West Virginia’s most widespread and active community institutions--volunteer fire and emergency rescue squads--to lead in the promotion of broadband. A statewide extension strategy will equip 90 squads in low-income counties with computers for public use, a locally-trained computer mentor, and training courses to encourage broadband and make it useful to families in need.

3. Project Type

Classify the particular project type for which you are seeking federal funding.

Project Type: Sustainable Broadband Adoption

Project ID: 2

4. Application ID for Multiple Submissions for Identified Service Areas

N/A

5. Estimated Funding (\$):

Estimated Funding (\$):	
Federal	6,007,655
Applicant	312,932
State	
Local	
Other	1,362,824
Program Income	500,000
Total	8,183,411

B. Eligibility Factors



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

6. Eligibility Factors.

The application must be completed fully, and all required supplemental documentation must be attached.
Applicants must commit to substantially completing their Project (as defined in the NOFA) within two years of the award date, and completing the Project within three years of the award date.
Applicants must credibly demonstrate that their Project advances at least one of the five statutory purposes for BTOP.
Applicants must demonstrate that but for Federal funding they would not have been able to complete their project during the grant period.
The budget for the project must be reasonable and all costs must be eligible.

6-d. Applicant is providing matching funds of at least 20 percent towards to the total eligible project costs or is requesting a waiver of the matching requirements.
Yes

Matching Fund Waiver Request Explanation
N/A

C. Executive Summary

**7. Executive Summary of Overall Proposal:
BARRIERS TO BROADBAND ADOPTION**

Broadband is available to an estimated 77% of households in West Virginia, but is underutilized. The state’s 40% broadband subscription rate is significantly lower than the national subscription rate of 63% due to barriers including a low income, lack of household



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

computers, and a perceived lack of usefulness for both computers and broadband. As one Fire Chief noted during a Future Generations survey: “I don’t even know how to turn the thing on, much less how it can help me or my squad.”

VOLUNTEER FIRE AND RESCUE SQUADS TO PROMOTE BROADBAND

This proposal offers a community-based solution to stimulate broadband adoption among low-income and predominantly rural communities across West Virginia. It will create a culture of use by extending computer access and relevant broadband training through West Virginia’s most widespread de facto community centers—volunteer fire and emergency rescue stations. These anchor institutions number 445 and are in nearly every community. They are rooted in communities, serve as life-links for West Virginia’s families, and are logical centers for broadband learning and extension.

This proposal focuses on volunteer fire and rescue squads because: 1) they are the state’s de-facto community centers; 2) 48% are already subscribed to broadband, but don’t have the equipment and skills to put it to use; 3) 52% have accessible space for computers and training available to the public; 4) they have active volunteers who will provide the critical peer-to-peer support networks to stimulate and sustain the use of broadband in the home; and 5) these organizations have their own immediate computer and training needs, especially as training certifications become more professionalized and place more demand on volunteers.

A STATEWIDE EXTENSION STRATEGY

In year one, this proposal will begin with 30 fire and rescue stations that already have access to broadband. Letters of Collaboration from 22 squads in 11 low-income counties and an African-American minority population center have already been signed. In years two and three, larger statewide extension will occur at 45% of the prior cost by inviting an additional 60 volunteer fire and rescue squads to participate in available training programs and to take advantage of a computer equipment stipend that can be used to purchase low-cost refurbished computers. The computers to be refurbished will be provided by Mission WV; they will be repaired at the Circleville High School in Pendleton County and by a small disadvantaged business in Charleston.

To extend broadband into communities, fire and rescue squads will be equipped with 11



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

computer stations as well as a projector and screen, printer/scanner, and web camera/microphone to enable real-time audio/video communication. Each volunteer fire and rescue squad agrees to: make their facilities available to the general public for a minimum of ten hours per week, select a local person to be trained as a computer mentor, and host training programs.

RELEVANT TRAINING AND PARTNERSHIPS

By engaging volunteer fire and rescue squads, this project creates new “community access points” for educational organizations and state training programs. Partner organizations, including state agencies, community and technical colleges, a major university, non-profit organizations, and online providers, have joined this project as instructors and online curriculum providers.

The curriculum includes: 1) digital literacy classes offered two nights a week by local computer mentors trained by this project, 2) a disaster preparedness course provided by the John Hopkins Public Health Preparedness Programs, 3) online computer mapping offered by the Monongahela National Forest, 4) health and wellness and substance abuse training for families offered by the Partnership of African American Churches, 5) an e-commerce academy offered by Mission WV, 6) an online career readiness course provided by KeyTrain as well as linkages with the state’s Workforce Investment Boards, and 7) an annual one-time stipend of \$1,000 that allows fire and rescue squads to enroll their members in the online courses of their choice offered by local community and technical colleges through Ed2go.com.

MARKETING AND PROMOTION STRATEGY

A parallel promotion strategy will include: 1) peer-to-peer outreach as news about the new broadband computer access and training spreads from home to home, 2) quarterly newspaper and radio ads announcing the new service, 3) aluminum signs on every participating fire station, 4) outreach to encourage participation among other local groups, and 5) a social networking and support website, www.futurewv.org.

COST-BENEFITS

This project uses conservative projections to estimate that of the 58,602 users (including 48,240 people trained), 16,614 will become new household and business subscribers. With a



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

budget of \$7,683,411, the cost per subscription will be \$462; the cost per new end-user will be: \$131. And, up to 201,860 people will be informed. The project’s research director will conduct surveys and monitor use to provide evidence of impact.

ORGANIZATIONAL READINESS

The Future Generations Graduate School specializes in community-based approaches to major social challenges and has an impressive track record managing complex international and educational programs that rely on broadband. The organization also has deep roots in WV. A sign of organizational readiness is evidence of the 22 local partners as well as instructors, businesses, and state agencies that have enthusiastically committed to this project.

SUSTAINABILITY

Sustainability will be achieved largely through the volunteer efforts of fire and rescue squads as their members and the communities they serve become enthused and empowered by the expanding opportunities of broadband.

D. Project Purpose

Project Purpose: Recovery Act & BTOP Objectives

8. Project Purpose

The challenge with broadband in West Virginia, as stated by Governor Joe Manchin, is that “While we provide the ability to access the Internet, we must encourage more West Virginians to use it...”^{*1} This project stimulates the use of broadband by engaging the state’s most widespread social network: volunteer fire and emergency rescue squads.

Across West Virginia, broadband is available to an estimated 77% of households,^{*2} but is underutilized. Out of approximately 740,000 households, only 314,072 residential customers actually subscribe to broadband.^{*3} This 40% statewide broadband subscription rate^{*4} is significantly lower than the national subscription rate of 63%.^{*5} Three of the state’s broadband service providers report that subscription rates fall significantly below availability: Frontier



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

with a 44% subscription rate; Verizon with a 25% subscription rate; and Spruce Knob Seneca Rocks with a 12.5 % subscription rate.*6

This project targets all the major barriers to broadband adoption: low-income, computer access, lack of basic skills, uncertainty of broadband's usefulness, and lack of peer-support. The Pew Research Center indicates that home adoption rates are stagnant among poor households: 82% of non-Internet users reported incomes of \$40,000 a year or less.*7 Most income levels in West Virginia fall into this category, with statewide incomes averaging only \$37,057.*8 Also, 41% of West Virginian households do not have computers and as a result lack equipment to access the Internet and also lack computer and Internet skills.*9

The target population also lacks awareness of broadband's benefits. Although participating fire and rescue squads have broadband, they don't know how put it to full use. Many of their leaders don't know how to use computers.*10 One national survey indicated that 62 percent of respondents did not own a computer because either: 1) they didn't believe they needed one; or 2) didn't know if they needed one. Forty-four percent of respondents with no home broadband connection didn't believe they needed broadband. *11 A final major barrier is that existing broadband access centers, notably libraries, do not offer the necessary peer-support and social structures to stimulate widespread enthusiasm for broadband and its many uses.

A COMPREHENSIVE REGIONAL STRATEGY AND OUTCOMES

This project offers a comprehensive set of solutions to meet West Virginia's predominantly rural and volunteer-oriented culture. This project reinforces three of BTOP's purposes (#3-5): computers, training, and stimulating demand through participation of the state's number one community anchor institutions: volunteer fire and emergency rescue squads.

Project Outcomes:

- 1) Increase computer access in West Virginia's low-income counties (beginning in Year One with 11 counties: Boone, Braxton, Fayette, Gilmer, Grant, Hardy, McDowell, Mingo, Pendleton, Pocahontas, and Wyoming) as well as an African-American population center in Rand (Kanawha County), by equipping the facilities of 30 volunteer fire and rescue squads with computers for public use to take advantage of already available broadband services.
- 2) In years two and three, expand to 60 additional sites across WV by providing an equipment stipend to fire and rescue squads to purchase low-cost refurbished computers and make these available for public use.
- 3) Refurbish up to 900 computers a year (made available by Mission WV) at two repair



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

centers while also supporting two small computer repair businesses. Fire and rescue squads will sell these computers to assist in their own broadband outreach and fundraising efforts.

4) Partner with state agencies including the State Fire Marshall, Literacy WV, and Workforce Investment Councils, as well as John Hopkins Public Health Preparedness Programs, Mission West Virginia, Partnership of African American Churches, Monongahela National Forest, and Community and Technical Colleges to provide training programs for public safety organizations and the communities they serve in such topics as: digital literacy, disaster preparedness, online mapping, family health, and career readiness.

5) Provide continuing support for digital literacy by training local computer mentors (one per site) to hold computer classes two-nights a week.

6) Over three years, train an estimated 48,240 people across the state through curriculum that uses the Internet and hands-on skills training to make broadband relevant to families and public safety organizations.

PUBLIC SAFETY ORGANIZATIONS AS A STATEWIDE LEADER IN USING AND PROMOTING BROADBAND

This proposal focuses on volunteer fire and rescue squads because: 1) they are the state's de-facto community centers; 2) 48% are already subscribed to broadband, but don't have the equipment and skills to put it to use; 3) 52% have accessible space for computers and training available to the public; 4) they have active volunteers who will provide the critical peer-to-peer support networks to stimulate and sustain the use of broadband; and 5) these organizations have their own immediate computer and training needs, especially as certification and training becomes more professionalized and requires more volunteer time.*12

These facilities are also more advantageous than libraries, because: 1) In WV, there are 445 fire and rescue squad facilities compared to 173 libraries; 2) Of the 43 libraries in the project's year-one target counties, 37 were surveyed. Of these, only 3 have training space, only 6 offer training programs involving computers, and 86% have fewer than 10 available computers; and 3) libraries are more formal and "quiet" settings for learning that are more likely to intimidate non-computer users than emergency fire and rescue squad buildings, which are the primary social gathering place.*13

* Footnotes: Available as an attachment in the "Supplemental Information" section

9. Recovery Act and Other Governmental Collaboration.
I. Leveraging Infrastructure with Computer Access and Training



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

West Virginia’s Department of Commerce is rapidly deploying broadband infrastructure to cover all of the state’s schools, public safety organizations, and libraries and expects to invest millions over the next three years through a parallel infrastructure proposal. Other broadband service providers, including Spruce Knob and Seneca Rocks Telephone, are planning large infrastructure projects that make broadband available across two counties targeted by this proposal (Pendleton and Pocahontas). The West Virginia State Office of Emergency Medical Services requires that all rescue squads, beginning October 2009, begin submitting their ambulance run sheets electronically and has thus spurred many fire and rescue squads to become broadband subscribers. This project links these major infrastructure projects and fills a critical gap: providing public safety organizations with computers and training to put broadband to greatest use for the benefit of families.

II. Enabling Government Agencies to Reach 90 Communities across the state with their Training Programs and Online Resources

This proposal links government services with community training and outreach. Training and outreach partnerships have been established with two of West Virginia’s Workforce Investment Boards, which have received more than \$750,000 in recovery act funds; two of West Virginia’s Regional Education Service Agencies, which are interested in linking and delivering their Adult Basic Education classes through this project’s broadband learning centers; Literacy West Virginia, which values this project’s broadband training as “another avenue for improving literacy skills and thus the employability of West Virginia’s citizens;” Mission WV, a grantee of the Appalachian Regional Commission with experience in running computer classes for the state’s disadvantaged; the West Virginia State Fire Marshall’s Office, which believes it may also “be able to increase its training and outreach through this proposal;” the Monongahela National Forest, which will offer an introduction to online mapping resources; and the West Virginia Council of Churches, which has offered to “inform its network of faith-based members of upcoming training programs offered by this project through the volunteer fire and emergency rescue squads.”

As statewide awareness of the program grows, more innovative collaborations are anticipated with other agencies, such as the State Office of Weatherization, which has a range of training materials to encourage the energy efficiency of homes, and West Virginia’s agricultural extension services, such as the extension service in Pendleton County, which has already begun



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

to strengthen the farm economy through niche produce and online marketing as well as telephone auctions of cattle, which could also be done online.

10. Enhanced Services for Health Care Delivery, Education, and Children

This proposal enhances the training and continuing education options for 90 of West Virginia’s fire and emergency rescue squads and the communities they serve.

With access to up to 11 computer stations connected to broadband, each squad will have a locally trained computer mentor who offers weekly classes in computer literacy (one for beginners and one for intermediate/advanced). In addition, these organizations will be invited to participate in core training programs that integrate the use of broadband with hands-on skills training. Courses include:

I. Collaborative Emergency Preparedness Training-Disaster Mental Health: In every community, first responders, clergy and laity provide support and comfort to people coping with life crises. The Johns Hopkins Public Health Preparedness Programs, with leadership from Dr. Henry Taylor (former WV Health Commissioner) will train fire and rescue squad volunteers and faith communities to respond better and work more effectively with governmental agencies. Participants will learn the Hopkins Model of RAPID-Psychological First Aid™ and practice self and family care with an emphasis on those with special needs. The second day explains disaster-planning principles so everyone will leave with a family preparedness plan. Participants will begin to plan how their community could develop an “incident command system” to better coordinate their actions. By year two, this program will shift to a “train the facilitator” approach and make interactive materials, including instructional videos, available online.

II. Introduction to Online Mapping: Sam Lammie of the GIS Program Manager of the Monongahela National Forest will train computer mentors in how to access and use free online mapping resources, with a focus on the many applications of Google Earth. Computer mentors will then extend training to the fire and rescue squads.

III. Community Health, Wellness and Substance Abuse: The WV Partnership of African American Churches offers four core training programs to build capacity among communities and families to improve health and address substance abuse in the home and to support



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

individuals with chronic disease. These programs will bring forward online resources and support networks in addition to building local support networks.

IV. Workforce and Career Readiness Training: Online continuing education will available online through KeyTrain, a career readiness and aptitude program, as well as through WV’s network of community and technical colleges, which offer online courses through www.Ed2Go. A stipend will be made available to each squad to enroll their members in such programs. In addition, letters of support from community and technical colleges indicate that this proposal will help them extend their own outreach services into previously unreached communities. Mission WV will also offer an E-Commerce Academy for small businesses.

11. Small and Disadvantaged Business Involvement

This project will subcontract with TLTEK, LLC, a SBA 8(a) & SDB-certified West Virginia-based Network Systems design and implementation firm founded in February 1997 by Tim Taylor. The subcontract with TLTEK will include: 1) the purchase of 330 new Dell computers for year one of the project, and 2) the repair of 450 computers a year through this project’s computer repair program. Mission West Virginia will make its warehouse repair facility available to TLTEK as an in-kind contribution.

A second subcontract will be with Lighted Signs Direct d/b/a SIGNS by Saenz, a SBA certified 8(a) woman owned company, which will provide 90 outdoor aluminum signs for each participating fire and rescue squad to promote their broadband and training services.

A third subcontract will be with Integrated Resources Incorporated, a small business providing employment opportunities for the mentally and/or physically challenged, which currently employs 240 people. It has agreed to customize low-cost mobile and lockable computer desks for this project.

To the extent possible, subcontracts will be made with other SBA 8(a) & SDB-certified businesses.

E. Project Benefits

E-1 – Expanding Broadband Public Computer Center Capacity



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

Public Computer Center Capacity, Including Areas and Populations Served

12. Public Computer Centers Availability
N/A

13. Restrictions on Public Computer Center Use
N/A

14. Public Computer Centers Accessibility
N/A

15. PCC - Center Locations, PCC - Center Capacity, PCC - Size and Scope of Target Audience.

PCC - Center Locations & Center Capacity & Size and Scope of Target Audience.

16. PCC- SBA Population Demographics

Age Distribution
Age Distribution: 5-19
Age Distribution: 20-29
Age Distribution: 30-39
Age Distribution: 40-49
Age Distribution: 50-59
Age Distribution: 60-69



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

--

Ethnicity or ethnicities
Ethnicity: Two or More Races

Gender
Gender: Female
Gender: Male

Median Household Income
Median Household Income: Less than \$9,999
Median Household Income: \$10,000 - \$14,999
Median Household Income: \$15,000 - \$24,999
Median Household Income: \$25,000 - \$34,999
Median Household Income: \$35,000 - \$49,999

Educational Levels
Educational Levels: None

Disabilities status
Disabilities status : Not Applicable

Unemployment Rate



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

Unemployment Rate: 9.40

Language

Language : English - Primary

17. Public Computer Centers Outreach

N/A

Public Computer Center Capacity, Training and Educational Programs

18. Public Computer Centers Peripherals and Equipment

N/A

19. Public Computer Centers Workstation Software

N/A

20. Public Computer Centers Training and Education Programs

N/A

E-2- Project Benefits – Sustainable BroadBand Adoption

21. Innovative Approach to Sustainable Broadband Adoption

By engaging the state’s number one social network, volunteer emergency and rescue squads, this project promotes a culture of broadband use. Key innovations include:

I. Stimulating Broadband through Community-based Social Networks and Peer Support:

Just as virtual sites like Facebook stimulate daily use of the Internet, this proposal stimulates use among non-computer users through community peer support. This proposal engages the



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

leaders and women’s auxiliaries who run volunteer fire and rescue squads as users and promoters of broadband. These groups are the primary stimulators of “table talk” and will spread news about the use of broadband in their facilities. Also, these facilities are actively used as community centers for weekly bingo, receptions, dances, youth activities, and training, thus providing a social setting to promote broadband. Training through these less-formal social settings will also reduce the “fear factor” and the acceptability of learning a new technology.

II. Linking the Needs of Public Safety Organizations with the Communities They Serve:

This proposal expands community coverage and strengthens the role of public safety organizations. It enables fire and rescue squads to: 1) add broadband computer access and training as a community service, 2) increase their pool of volunteers by bringing new people into their facilities, 3) increase their fundraising potential, and 4) increase their services as a life-link for families by providing relevant broadband training.

III. Scaling Up Broadband through Low-Cost Refurbished Computers:

In years two and three of this project, statewide extension from 30 to 90 sites will occur at 45% of the cost. Two computer repair centers will provide up to 900 low-cost refurbished computers a year to extension sites. Volunteer public safety organizations will be able to sell extra computers as part of their own fundraising and broadband promotion efforts.

IV. Pioneering a New Approach to Relevant Broadband Education:

The training courses use a new approach to “electronic experiential education;” they integrate online and self-paced learning with hands-on skills development. Communities will also select their own course topics from a wide range of available curriculum. This will help to sustain interest in broadband by making it locally relevant.

This project uses conservative estimates to project increases in household broadband adoption. Based on an estimate of training 48,240 people over three years (min of 268 users per site per year), the project estimates that access to peer-support, training, and low-cost computers will encourage 29% of these or 13,990 people to become new broadband subscribers. With a budget of \$7.7 million, the cost per new subscriber will be \$549. The project’s research director will conduct baseline and evaluation surveys to accurately measure impact.



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

22. Sustainable Broadband Adoption Household Subscribers.

How many total new home subscribers (household accounts) to broadband do you expect to generate through use of BTOP funds over the entire life of the program funded? **14,472**

23. Sustainable Broadband Adoption Institutional Subscribers.

How many total new business and/or institutional subscribers to broadband do you expect to generate through use of BTOP funds over the entire life of the program funded? **2,142**

24. Sustainable Broadband Adoption Users of Public Access Facilities.

How many total **users** of broadband in public computer centers or **users** of broadband **outside the home** (e.g., in a community college) do you expect to generate through use of BTOP funds over the entire life of the program funded? **58,602**

25. Sustainable Broadband Adoption Population Demographics.

Please refer to PCC – SBA Demographics section (Section E1- Question 17)

26. Sustainable Broadband Adoption People Trained/Educated.

If you intend to provide training or education, how many people in **total** will your program(s) reach? **48,240**

27. Sustainable Broadband Adoption - Scope of Training/Education Programs.

How many hours of training do you expect to provide *per person on average* for each participant in your training program(s), through completion of training for that individual? If you will offer multiple programs, provide estimates for each program. **24**

28. Sustainable Broadband Adoption Instructor Qualifications.

How many (FTE) instructors/facilitators will you employ for broadband and digital literacy training purposes, and what are their qualifications (training and experience)?

Over three years, this project employs the full-time equivalent (FTE) of 35 local computer mentors and an additional 3 FTE specialized instructors (FTE at an annual estimated salary of \$40,000).

A total of 90 local computer mentors will receive an annual stipend to provide training in basic and advanced digital literacy. These mentors will be selected from among the participating communities. They will be trained Future Generations and Mission West Virginia instructors, including Damian Christey (Technology Manager), David Rogers (Deputy Director), Tim Elliot and Matt Delong. This instructional team has the combined experience of developing digital literacy curriculum and coordinating training efforts for 52 local computer learning centers, managing computer labs at West Virginia University, administering networks and servers, as well as designing websites. This same team will also provide instruction for this project's E-Commerce Academy.



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

The Johns Hopkins Public Health Preparedness Programs will offer training in Collaborative Emergency Preparedness; Dr. Henry Taylor will lead the training with assistance from a to-be-determined Hopkins Ph.D. candidate. Dr. Taylor brings seven years as West Virginia’s State Health Officer and Public Health Commissioner to this project; he has an MD (Doctor of Medicine) from Harvard Medical School and a Master’s in Public Health from Johns Hopkins University.

Sam Lammie, the GIS Program Manager for the Monongahela National Forest, will instruct a course in Introduction to Online Mapping. Sam is a professional Geographer with over 15 years experience in geospatial technologies, has an MA in GIS, and has organized numerous training sessions in the use of GPS units and the use of GIS.

Community Health, Wellness, and Substance Abuse Training: Edna Green of the Partnership of African American Churches is community health specialist with more than 9 years of experience in training health and wellness coordinators across 17 churches. Wendy Lewis is a National Substance Abuse Prevention Specialist Facilitator trained through the U.S. Department of Health and Human Services Center for Substance Abuse Prevention.

See Management CVs for more details on instructors.

29. Sustainable Broadband Adoption Equipment Purchased.

How many broadband-related equipment units (e.g. computers, wireless devices) do you intend to purchase overall? **990**

30. Sustainable Broadband Adoption Cost of Devices.

What is the total up-front cost of this equipment? **1,143,950**

31. Sustainable Broadband Adoption Loan Program Participants.

If you are providing an equipment purchase or loan program, for how many households, businesses and/or institutions do you expect to provide equipment or computers?

Number of Households:

Number of Businesses:

Number of Institutions:

32. Sustainable Broadband Adoption Loan Cost to Borrower.

If you are employing a loan program for purchases of service or equipment, what will be the total cost to the typical customer you assist over the life of the loan, including all interest and fees?



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

33. Sustainable Broadband Adoption Target Population, Awareness Campaign.

If you are conducting an awareness campaign, how many people do you expect your campaign will reach?
201,860

34. Sustainable Broadband Adoption Awareness Campaign Methods

This project will spread awareness of broadband's benefits to an estimated 25% of rural West Virginia (807,441 rural West Virginians), reaching an estimated 201,860 people across 90 communities in up to 40 of 55 counties. In 90 communities, broadband and computer access will be made available through volunteer fire and emergency rescue squads (the de facto community centers of rural WV).

Method One: Spread access, skills, and enthusiasm for broadband across West Virginia's low-income counties through the peer-to-peer social networks of volunteer fire and rescue squads, targeting a cross-section of adults and retirees as well as the high-school students who volunteer with these squads and youth and adults from the community who do not have access to computers and broadband at home. Computer access and training made available through these squads will directly train an estimated 268 people per site per year; of these, this project estimates that 80 will become new broadband subscribers; total new home subscriptions are projected to be a minimum of 14,472 and total new business subscriptions to be 2,142.

Method Two: Signage and local advertising of broadband computer access and available training programs. To support volunteer fire and rescue squads in advertising their new services and training programs, this project will purchase road-front and building signs for each squad building. In addition, each squad will have funds to advertise through their local newspapers and radio stations. The logo and marketing slogan for these signs and advertising will be developed following the baseline survey of this project in order to develop an effective and locally-specific marketing campaign. This local marketing campaign is expected to have county-wide penetration in up to 40 of West Virginia's rural counties.

Method Three: The volunteer fire and rescue squad facilities will be public spaces for other community groups that need access to computers with broadband for group training purposes, such as 4-H extension services, farm bureaus, non-profit organizations, churches local businesses, and senior citizens groups. A list of groups will be identified in each site and invited to the fire and rescue squad for an annual community orientation and presentation about how to participate in the project and use the available space. The WV Council of Churches, with an extensive statewide network of 18 member denominations, has also offered to advertise



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

this project's broadband and training services.

Method Four: To facilitate networking among all of the participating communities and training providers, this project will establish a statewide social networking website (www.futurewv.org) to serve as a resource hub, encourage networking and exchange among public safety organizations, and advertise training opportunities.

35. Measuring Campaign Impact for Sustainable Broadband Adoption

Future Generations Marketing and Research Director, Vic Arrington, will organize baseline and final surveys to evaluate increases in home and business broadband adoption rates, provide more data and evidence on statewide barriers to adoption and work with project team members to adjust training and marketing efforts accordingly, as well as work with the project's 90 fire and emergency rescue squads to deploy broadband marketing plans across their counties.

Key indicators of program effectiveness will include such data as:

- Level of demand for keeping fire and rescue squad computer facilities open beyond the ten-hour weekly minimum;
- Number of volunteers who commit time to the project and the amount of time they commit
- Number of users, both individuals and groups
- Number of training program participants
- Number of people purchasing refurbished computers from the project
- Number of community-based groups using the facilities
- Number of new state and local agencies and organizations providing relevant broadband training above and beyond partners identified for this proposal
- Number of new household subscribers
- Number of new small business websites started as well as number of new business broadband subscribers
- A baseline and final evaluation of participant knowledge and use of broadband, extending Future Generations survey of fire and rescue stations to community-wide household surveys

The Marketing and Research Director will be supported in data collection and monitoring by volunteer squad members, local computer mentors, and the project's deputy directors and logistics coordinator.



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

The Future Generations Graduate School has a solid track record in rigorous research and documentation, as already evidenced in this project through two surveys of broadband access and usage among both libraries and volunteer fire and rescue squads (see Supplemental Attachment for fire and rescue squad survey analysis).

36. Sustainable Broadband Adoption Total Cost Per New Subscriber.

What is the total cost of your project per new subscriber (household, individual, or institutional) or new end-user? **131.00**

F. Project Viability

Technical Viability

37. Technology Strategy

37 - A. Public Computer Center Technology Strategy

N/A

37 - B. Sustainable Broadband Adoption Technology Strategy

This proposal uses a community-based approach to stimulate broadband adoption among low-income and predominantly rural WV communities. Five major operational phases can be adapted by others to serve unique target populations.

PHASE ONE: Identify the most successful community anchor institutions that serve as community centers and have deep penetration into homes and allow them to take ownership of the project

Operationally, volunteer fire and rescue squads are ideal local partners. Of the 445 volunteer fire and rescue squads in WV, 90 will be invited to participate in this project (22 letters have been signed of the 30 year 1 sites). For the 60 sites in years 2 and 3, invitations will be sent to squads in WV’s poorest counties and sites selected based on broadband access, adoption potential, and volunteer support.

This project maximizes local ownership encouraging fire and rescue volunteers to make the project work for their organizations and communities. For this reason, this project allows flexibility. In managing their Broadband Learning Centers, each squad determines:



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

- Schedules for public access based on a ten-hour weekly minimum
- Who will be trained as the local computer mentor
- What training programs to host from among the wide-ranging curriculum
- Who will benefit from the \$1,000 stipend for online courses
- Where to place their learning centers if they don't believe they have adequate facilities (see Letter from Anwalt VFD, which chose to partner with their Town)

This promotional strategy encourages community networking. Squads will advertise their training and opening their facilities to other local groups. They may even choose to create a “broadband for public safety and community service” committee to coordinate outreach.

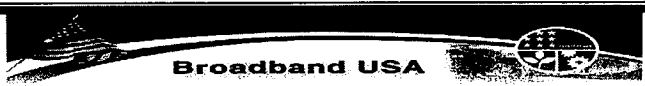
PHASE TWO: Provide stimulus in terms of computer equipment and access

Future Generations will equip 90 squads (30 new sites a year for 3 years) with Broadband Learning Centers that include 11 computers and desks, networking equipment, printer/scanner, a digital projector, and web camera/microphone to enable real-time audio/video communication between students and instructors. In year one, to avoid delays, computers will be purchased from a WV supplier of new Dell Computers. In years 2 and 3, we will use computers refurbished through this project's computer repair centers.

In year one, we will provide installation and technical support. In year two, squads will be asked to provide more volunteer time for installation and setup with the guidance of technical staff. Computer maintenance will be provided through the in-kind labor of computer students from local highschools and colleges. Desks will be mobile and lockable to adjust to the often multi-functional uses of fire and rescue stations.

Computers will be loaded with Open Source Software and a Linux operating system, extensively used by governments universities, and corporations. This software solution has numerous advantages as it is:

- Less resource intensive and runs smoothly even on older hardware
- Easier to secure for a classroom environment and does not require expensive anti-virus software
- Freely available, not dependent on regular expensive upgrades, fully functional and compatible with PC and Mac Office software
- A way to promote broadband because, unlike off-the-shelf software, it is often available



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

only by high-speed download

Although this approach goes against the norm, it helps West Virginians prepare for the jobs of the future. The current trend in software is toward “cloud computing,” a move toward Internet-hosted software. As more of the programs we use everyday move online, operating systems matter less. Digital literacy classes will use free web-based applications such as Google Docs wherever possible and will emphasize a fundamentals-based teaching approach, so that skills are transferable to the popular software of today such as Microsoft Office, as well as the software of tomorrow.

PHASE THREE: Partner with government agencies, curriculum providers, and trainers to provide training that makes broadband useful and relevant

This project formally engages 5 curriculum providers, but also reaches out to state agencies, career and workforce centers, and organizations seeking to reach underserved communities. An annual staff and partners meeting will coordinate an integrated and diverse curriculum package that blends online with hands-on learning opportunities to increase the relevance of broadband.

PHASE FOUR: Ensure sustainability through volunteer orientation and income-generating opportunities

A training goal is to build local capacity and self-sufficiency. Activities will include:

- Training local computer mentors for weekly digital literacy classes. Mentors will form a statewide peer network, offering online local computer help and classes through futurewv.org
- Establishing two computer repair centers, which will refurbish up to 900 computers per year. Used computers will be bought from Mission WV for \$40, repaired for \$100 by two subcontractors, loaded with Linux and Opensource software, and made available to squads and the public for \$200 or less. Also, computers will be distributed free of charge to the 60 squads selected for year 2 and 3 expansion.

PHASE FIVE: Identify and monitor key indicators to measure program effectiveness

Making decisions based on local evidence is key to the success of this program. The project’s Marketing and Research Director, as described in other sections of this proposal, will help ensure effective data-based decision making to keep the project on track.



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

Organizational Capability

38. Management Team Resumes.

Please refer to upload section at the end of document.

39. Organizational Readiness

The Future Generations Graduate School (founded 2003) and its parent/partner organization Future Generations (founded 1992) have successfully managed numerous large projects that engage communities and governments in creating statewide community change in complex international settings. Two recent examples include:

- A one-year (2007-2008) United States Agency for International Development (USAID) subcontract in Afghanistan that established 933 mosque- and home-based literacy classes for 25,000 women and girls in Ghazni, a highly insecure province
- A four-year \$1.25 million (2005-2009) USAID Child Survival Health Grant that trained more than 700 Peruvians as community health works and built capacity among 28 rural health facilities in 17 districts in Cusco

The Future Generations Graduate School is well positioned to provide leadership in a statewide community-based broadband extension program. The Dean and Project Director of this proposal, Dr. Thomas Acker, implemented a WV computer training program for teachers. He now leads the Graduate School in a new approach to higher education that has trained students from 22 countries through interactive online learning and hands-on skills training. Future Generations brings its extensive educational and community mobilization experience to bear on the challenges of broadband adoption in West Virginia. In addition, Future Generations has a staff experienced in technology management, marketing and research, communications, and community mobilization and a Board with representation from the Carnegie Corporation, Goldman Sachs, Battelle Corporation, Gear Holdings, and Ford and Kellogg Foundations.

Enthusiasm for this project is unparalleled. Already, 22 fire and rescue squads have signed Letters of Collaboration and are eager to play a role in broadband extension and to commit additional volunteer hours to this program.

The instructors have already developed their training programs. Mission WV has significant experience in training 52 communities in digital literacy and e-commerce. The Johns Hopkins Public Health Preparedness Programs have extensive experience training local health



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

departments, faith communities, and other groups in disaster preparedness. The Partnership of African American Churches has dedicated two master trainers to provide instruction in such topics as health and wellness, and substance abuse, both key for ensuring a health workforce. Also, numerous state agencies, career centers, workforce investment boards, and organizations are standing by to provide technical, training, and networking support.

Perhaps more than any other organization in the state, Future Generations extensive community development experience in international settings prepares it for the unique challenges of engaging communities in their own self-development, of which broadband access and use is an essential core component for meeting the needs of WV families in this increasingly globalized world.

40. Organizational Chart.

Please refer to upload section at the end of document.

Community Involvement

41. Key Partners

I. VOLUNTEER FIRE AND EMERGENCY RESCUE SQUADS

To date, 22 Volunteer Fire and Emergency Rescue Squads have voted on and approved Letters of Collaboration. Two additional squads are interested and waiting for a squad vote.

1. Anawalt VFD, Aaron Chapman, 304-383-2400
2. Bartow-Frank-Durbin VFD, Janet Ghigo, 304-456-4893, janetgo@frontiernet.net
3. Berwind VFD, Claude Adams, 304-875-2526
4. Cass VFD, Christine Rebinski, 304-456-3244, jcrebinski@frontiernet.net
5. Circleville VFD, Carl L. Warner, 304-567-2440
6. Flatwoods VFD, Donald Conrad, 304-765-7044
7. Franklin VFD, Charles Sisson, 304-358-7994, admin@fvfdcompany2.com
8. Gary VFD, Robert Little, 304-448-2209
9. Gilmer VFD, Charlie Campbell, 304-462-4266
10. Madison Fire and Rescue, Anthony Carrico, 304-369-1021



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

11. Matewan VFD, Kenneth Cox, 304-426-4092
12. Mathias Baker VFD, Richard Hamilton, 304-897-5586, rhamilton@hardynet.com
13. Maysville VFD, Larry Wratchford, Jr., 304-749-7731
14. Meadow Bridge VFD, Charles Wade, 304-484-7117, mbvfd4@verizon.net
15. Morrisvale VFD, Douglas Estep, 304-524-2122
16. Mullens VFD, Earl Mongeni, 304-294-661, emongeni@bjwprinting.com
17. Rand VFD, Bill White, 304-415-8120
18. South Fork VFD, Roy Bowers, 304-249-5232
19. Upper Laurel Fire & Ambulance, Darren Stapleton, 304-294-4402
20. Upper Tract VFD, Mike Alt, 304-358-2939
21. Wharton-Barrett VFD, Aaron Dickerson, 304-247-6586
22. Williamson FD, Jerry Mounts, 304-235-5273, wfdchief@verizon.net

In Years Two and Three, an additional 60 of the state's 445 fire and emergency rescue squads will be invited to participate in this program.

II. GOVERNMENT AGENCIES AND SUPPORT ORGANIZATIONS

1. West Virginia State Fire Marshall, Sterling Lewis Jr, 304.558.2191
2. West Virginia Council of Churches, Dennis Sparks and Cheryl Ingraham, Ph.304.344.3141, cheryli@wvcc.org
3. Eastern WV Community and Technical College, Amy Crites, Ph.304.434.8000, ext.231, acrites@eastern.wvnet.edu
4. Calhoun-Gilmer Career Center, Bryan Sterns, Ph.304.354.6151
5. Literacy WV, Judith Azulay, Ph.304.832.6331, judyaz@hughes.net
6. Regional Education Service Agency VIII, Beverly Baccala, Ph.304.267.3595
7. Workforce Investment Board Region VII, T.J. VanMeter, Ph.304.257.2448, tjvanmeter@wvregion7wib.org
8. Workforce Investment Board Region I, Melissa Aguilar, Ph.304.253.3611, maguilar@r1workforcewv.org

III. CURRICULUM PROVIDERS AND INSTRUCTORS

1. Johns Hopkins Public Health Preparedness Programs: Dr. Henry Taylor, Ph. 304.610.1139, hgtaylor@jhsph.edu
2. Mission West Virginia: David Rogers, Ph. 304.634.3449, drogers@missionwv.org



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

3. KeyTrain Career Readiness: Stan Brodka, Ph. 423.266.2244, info@keytrain.com
4. Partnership of African American Churches: James Patterson, Ph. 304-768-7688, patterson@paac2.org
5. Monongahela National Forest: United States Forest Service: Sam Lammie, Ph. 304.636.1800, ext.207, slammi@fs.fed.us

42. Partnering with Disadvantaged Businesses

Formal SBA Certified 8(a) Business Partnerships:

1. TLTEK, LLC, 116 Smith Street, Charleston, WV 25301; 304-340-7070; Tim Taylor, President. This is a SBA 8(a) & SDB-certified West Virginia-based Network Systems design and implementation firm.
2. Lighted Signs Direct d/b/a SIGNS by Saenz, 5795G Burke Centre Pkway, Burke, VA 22015; 1-877-777-5734; Ruth Saenz, President; a SBA certified 8(a) woman owned company.

West Virginia businesses that qualify in terms of being small businesses that service rural communities (but have not yet received formal 8(a) status):

1. Integrated Resources Incorporated, Mullens, WV; Lesa Morgan, Director of Operations; 304-294-5610
2. Circleville High School Preservation Committee, Circleville, WV; Charles Teter, President; 304-567-7500.
3. Pendleton Computers, Owner Terry Boone. Franklin, WV ph. 304-358-7556
4. Broadband HSI. Colin McGrath. Morgantown, WV. ph. 304.319.1723

Ability to Start Promptly & Timeline

43. Project Timeline and Challenges

YEAR ONE

QUARTER ONE

- I. Staff and Partner Training: Milestone: An Integrated Curriculum
- II. Community Orientation #1: 1) Finalize remaining 8 of 30 Year 1 agreements 2) Orient community. Milestones: 1) 30 cooperating agreements 2) Community orientation 75% complete
- III. Website Development. Develop futurewv.org for courses and peer network and make open



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

to public.

Challenges: This quarter may pose weather challenges for orientations; if so, they will be integrated into a more comprehensive orientation in quarter two.

QUARTER TWO

- I. Equip Sites: 1) Purchase, prepare, and deliver equipment. 2) Engage subcontracts to prepare facilities. 3) Install and network computers. Milestones: Up to 11 computers installed in 30 squads.
- II. Community Orientation #2: 1) Communities nominate computer mentors. 2) Set hours of operation. Milestones: 1) 30 mentors selected. 2) 30 Broadband Learning Centers open to the public 10 hours/week.
- III. Mentor Training: Host training of computer mentors. Milestones: 30 mentors prepared to assist with digital literacy classes.
- IV. Research: 1) Develop survey methods. 2) Conduct baselines of broadband usage. 3) Provide mentors with monitoring tools. Milestones: 1) 50% of baselines completed (the remainder completed in QTR3.2) A system in place for monitoring the use of sites.

Challenges: This quarter may be hampered by delays in government payment schedule. Community enthusiasm will be dampened if the set-up of their sites is delayed. Plan to avoid delay involves QTR 1 preparations to insure available funds and local teams of subcontractors and volunteers to setup sites. Baseline surveys may be difficult without cooperation of broadband providers, in which case household surveys will suffice.

QUARTER THREE

- I. Select Sites for Years 2 and 3: 1) Invite fire and rescue squads to join. 2) Select sites based on broadband access, adoption rate, need, and interest. Milestones: 60 Cooperation Agreements Finalized for Years 2 and 3.
- II. Training Programs: 1) Coordinate with trainers and government to offer classes. 2) Computer Mentors provide digital literacy classes two nights a week. 3) Advertise classes. Milestones: 1) Digital literacy and at least two specialized training courses offered in each of 30 sites.
- III. Set-up of Two Computer Repair Centers: 1) Engage subcontractors. (contracts already signed). 2) Prepare space and deliver computers. 3) Develop and finalize resale value and marketing plan. Milestones: 1) 900 computers delivered to repair centers. 2) Refurbish 100 computers. 3) Pilot resale and marketing plan with goal of selling 3 computers through each



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

squad.

Challenges: 1) Too much or too little local demand for a particular class, in the case of too much demand, training may be regionalized; in the case of too little, more in-demand curriculum will be developed. 2) Squads may find that the public is not interested in buying low-cost used computers, in which case a more creative and broad community marketing campaign will be developed.

QUARTER FOUR

- I. Continue Training: At least one more specialized training program offered in each of 30 sites, in addition to weekly digital literacy classes.
- II. Computer Refurbishing: Refurbish the 330 needed computers for year 2 facilities.
- III. Solicit Feedback: 1) Solicit year 1 public use reports. 2) Solicit feedback from each site through year end mtg. and online discussion. Milestones: 1) Completed analysis of Year 1 public use and activity report. 2) Completed analysis of community feedback.
- IV. Year-end Mentor meeting: End of year debriefing and training updates to prepare mentors for the coming year.

YEARS 2 AND 3 (Fairly consistent activities for Years 2 and 3)

QUARTER ONE

- I. Staff and Partner Meeting: Staff and partners make mid-course corrections based on local feedback.
- II. Community Orientation #1: (Follows Year 1 Schedule for 30 new sites in addition to follow-up with year 1 sites).

QUARTER TWO

- I. Equip Sites: (Follows Year 1 Schedule for 30 new sites with the one exception that refurbished computers and more volunteer effort will be used for setting up these sites.)
- II. Community Orientation #2: (Follows Year 1 Schedule for 30 new sites).
- III. Mentor Training: 1) Host training of computer mentors, divided by region into groups of 30. Mentors from previous years will refresh their skills, learn new technologies, and guide newcomers. Milestones: Mentors prepared to assist with digital literacy classes: 60 in Year 2, and 90 in Year 3.
- IV. Research: (Follows Year 1 Schedule for 30 new sites and ongoing monitoring of Year 1 sites).



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

V. Training Programs: (Ongoing for Year 1 Communities).

QUARTER THREE

- I. Training Programs: Begin for 30 new sites (Follows Year 1 Schedule).
- II. Computer Repair: 1) Gear up computer repair for the 30 squads participating in year 3. Milestones. Refurbish 50% of 330 needed computers for year 3 sites, finishing the remainder in QTR4. 2) Develop and have in place a sustainable resale and marketing strategy to continue computer repair upon formal completion of grant.
- III. Sustainability Plans: Sites to develop a sustainability plan for continuing their services upon formal completion of grant.
- IV. Research: 1) Baseline surveys and monitoring for year 2 and year 3 sites follows schedule from year 1. 2) By year 3, conduct an evaluation survey of year 1 and year 2 sites.

QUARTER FOUR

- I. Continue Public Training Programs: (Follows Year 1 description).
- II. Solicit Feedback from Participating Communities: (Follows Year 1 description).
- III. Year-end Mentor meeting: Invite mentors back to training sites for debriefing and training updates to prepare for the coming year. Milestone: After Year 3, communities take ownership of mentoring and support programs.
- IV. Final Project Review in Year 3.

44. Non-Infrastructure Projects - Licenses and Regulatory Approvals

N/A

45. Legal Opinion.

Please refer to upload section at the end of document.

G. Project Budget & Sustainability

Project Profile: Budget and Budget Narrative

46. Budget Narrative

6.a. Personnel: The project will require the hiring of a full time staff of 3 and a part time staff of 3. The full time equivalents for the project will be 4.33 with an average salary of \$46,000. This team will include a part time project director, two deputy directors (one part time), technology director, logistics/administrative coordinator, and a part time marketing and



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

research director. The team is fully qualified to mobilize local partners, setup broadband learning centers, train qualified computer mentors, coordinate with curriculum providers, market the program, and offer training to public safety volunteers and the general public. See CV section.

6.c. Travel: Staff continually interact with 90 communities on setup, training, and maintenance. Compensation for 12,000 auto miles for a staff of 6 at the Federal rate of \$.505 is \$36,000 annually. Staff will travel 40x per year, ave of 300 miles per trip for community orientation, computer set-up, and on-site training. The balance of travel budget will provide bi-annual training for staff (4 days) and annual training for mentors (2 days 2x per year) in one location in WV per diem of \$125 per day. Project directors are given a \$1,000 allowance to attend in-state Fire, Emergency Medical conference programs.

6.d. Equipment: Each fire and rescue station will be equipped with 11 computers, desks, chairs, as well as one printer/scanner and projector, and networking to make use of their existing broadband access. Each year for 3 years, 30 stations will be setup for a total of 90. The year 1 setup is projected at \$1,870 per workstation. Computer and software, desks and chairs will be purchased from WV Small Disadvantaged Businesses. The stations will be open to the public and include occupational and life-skills training. We anticipate 268 individuals will complete some training each year per station, with an average equipment cost of \$23 per person trained over 3 years. Equipment costs will decline in subsequent years due to the use of refurbished equipment provided by the program’s computer repair component.

Total equipment costs over 3 years will be \$1,151,450 . This will buy setups for 90 fire and rescue stations and provide job and life skills training to over 48,240 people in 3 years. Equipment cost per squad \$12,794; cost per computer workstation \$1,163; cost per trained individual \$24. Equipment list available upon request.

6.e. Supplies: An annual allowance of \$250 per mentor (90 mentors) for training supplies to include books, teaching guides, and other. An annual allowance of \$1,000 will be provided per fire station for printer paper and toner.

6.f. Contractual: Each fire station will be staffed with a contract computer mentor. Expected to work 6 hrs per week for 44 weeks, the mentor will provide on-site individual and group



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

instruction in computer skills. Contract cost per mentor per year will be \$5,280, an average of \$20 per hour.

The project has three-year contracts with partners to provide training. Partners include John Hopkins University Disaster Preparedness Programs (budgeted at \$120,000 to train 200 people in two workshops and 10 facilitators each training 20 people, cost per person \$300); Partnership of African American Churches (cost of \$240,000 to train min of 2,400 people, cost per person \$100); Monongahela National Forest (cost of \$9,000 for 90 computer mentors who will each train 10 people, cost per person \$10); Mission WV (cost of \$153,720 to train min of 1590 people, cost per user \$97); and Keytrain Online Career Readiness (cost of \$90,000 to train min of 1800 people cost per user \$50). Above costs include instructors, travel, and materials. In addition to the above formal training programs, each station will be allocated an annual allowance of \$1,000 to enable their members to enroll in online courses provided by local community and technical colleges through Ed2go.com.

Computer repair services will be provided by Pendleton Computers and TLTEK, LLC to repair up to a combined 900 computers per year at a cost of \$100 per computer. Used computers will be provided by Mission WV for \$40 per computer.

6.h. Other. Rents: Each squad will make an average of 1,000 sq ft available for the public computer site. Rent compensation at \$6 per sq ft will be paid to these stations for reimbursement of space. It is anticipated that approximately 25% of these rental agreements will be returned as in-kind contributions. See supplemental match and in-kind attachment for details. Other rental fees include \$15,312 at \$12 per sq ft to be paid to the Circleville High School Preservation Society for a computer repair facility, of which \$6,312 is donated as in-kind. Mission WV is offering a 1000 sq ft facility with a lease value of \$12,000 for the same purpose as in-kind support.

Advertising: To promote broadband and advertise training, \$200 a year will be allotted to newspaper and radio ads per site per year, and a sub-contract has been entered to purchase aluminum outdoor building signs at \$123 to advertise the facility.

Maintenance: \$2,500 a year allowance for each site. With 11 computers per site, cost is \$228 per computer and \$10 per user annually. Maintenance will be provided in-kind by local high school computer class students and by local community and technical colleges. One letter of in-



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

kind support has been signed. Agreements from high schools and additional colleges are anticipated in the fall based on informal discussions.

Social Networking Website: Hosting cost of \$1,200 per year for www.futurewv.org to support networking among the fire and rescue squads, mentors, and other users.

6.j. Indirect Cost Rate: 15.32% based on a negotiated indirect cost rate agreement.

Matching Fund Note(Q42) See Supplemental Upload for Details

47. Non-Infrastructure Projects - Budget Reasonableness

6.a. Personnel: Salary levels are based on local norms for the positions described. Several of the personnel anticipated for hire are currently employed and salaries were determined by their current wage rates. Average salaries of the full time personnel for this project are \$46,000.

6.b. Fringe Benefits: 22.5% of salaries is based on the cumulative statutory rates for Social Security, Medicare, West Virginia unemployment insurance, workmen’s compensation and a 10% allowance for health care. This would allow an average Blue Cross contract to be purchased for \$6,400, matching our existing Blue Cross contracts.

6.c. Travel: Mileage rate is based on the published IRS guidelines for 2008 of \$.505. Travel per diem in WV is \$125 per day based on Federal Publication 1542. The \$1,000 allowance for an annual in state conference allows for a multi-day conference with reasonable mileage and per diem, plus conference fees.

6.d. Equipment: Equipment costs for computers, software, desks and chairs were estimated based on quotes from the West Virginia Small Disadvantaged Business’ being considered as vendors for the project. Labor costs for equipment networking, wiring, and installation were based on discussions with local electricians and computer technicians.

6.e. Supplies: Both the \$250 allowance to mentors and \$1,000 allowance for paper, toner, and other computer supplies were estimates based on the anticipated work load and program schedule.



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

6.f. Contractual: The annual mentor stipend of \$5,280 is based on an hourly rate of \$20 per hour for 264 hours per year. The rate is based on the local norm required to attract and individual qualified to teach others basic computer skills. While about 2.5x the minimum wage, the mentor will have to pay his own travel and taxes from the stipend.

The contracts with partners are all based on negotiated rates with those partners. All of these partners provide specific job or skill training desired by the fire and rescue squads and local communities based on a Future Generations survey of training interests.

6.h. Other: Rents: These rates are determined by local norms and are negotiated. The fire stations are willing to rent at an average of \$6 per sq ft while the computer repair space requires a higher rate of \$12 per sq ft. Both leases for the computer repair facilities have been negotiated.

Advertising: The \$200 per site for advertisements is an estimate based on placing at least one small ad, once a quarter in the local newspaper or circular. The rate for aluminum signs is based on a formal bid from a small disadvantaged business.

Maintenance: \$2,500 annual allowance per site is based on a qualified technician making a quarterly call per location. This cost, however, will be provided fully in-kind, as demonstrated from a letter of support from the Calhoun-Gilmer Career Center. Other agreements are anticipated when schools start and contacts can be made.

48. Demonstration of Financial Need

Future Generations Graduate School does not have the resources available to implement this project in full without federal funding. The School has a budget for FY10 of approximately \$1,300,000, which will be used to fund its current class master's degree students. Students to this program are from impoverished regions around the world and are for the most part impoverished themselves, so the majority of the school's resources are devoted to providing scholarships. Financial statements from prior years will further show our lack of immediate resources to fund this project.

Due to the unique nature of this project, there also does not appear to be an existing private, local, or state funding source. And, the key beneficiaries--West Virginia's volunteer fire and



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

rescue squads--rely on volunteer contributions and fees-for-service and are themselves financially unable to undertake such a project on their own.

Because of the unique nature of this project, we have not sought funding from other private sources, although believe so strongly in the program's benefits that we will commit limited unrestricted annual funds to help cover the 20% match along with in-kind contributions from partner organizations. Without Federal funding, this project would not be possible.

49. Historical Financial Statements.

Please refer to upload section at the end of document.

Project Profile: Long Term Sustainability

50. Sustainability.

51 - A. Public Computer Center Sustainability

N/A

51 - B. Sustainable Broadband Adoption Sustainability

VOLUNTEER EFFORTS

This proposal targets West Virginia's fire and rescue squads because they are sustained through the volunteer efforts of well-respected community leaders. For this project to succeed, it requires volunteers to make their facilities available to the public for a minimum of ten hours per week. When federal funding is no longer available, the equipment and broadband access will be in place and the volunteer efforts will continue. And, every community will still have a trained local computer mentor to whom they can turn for support.

NETWORKS OF STATE AGENCIES AND ORGANIZATIONS TO PROVIDE ONGOING TRAINING

Numerous government and organizational trainers and curriculum providers are eager to gain access to West Virginia's underserved communities. This project creates an enduring public community space with broadband computer access that will continue to serve as a venue for local and statewide training programs. It is foreseeable that training opportunities above and beyond those provided by this grant will continue to be made available through networks of state agencies, organizations, and community and technical colleges.



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

PEER-SUPPORT

Home use and adoption of broadband in West Virginia requires a “behavior change” in the attitude and culture of use. Broadband will move West Virginians from being passive receivers of information to being more active participants in the flow and exchange of information in their lives. Sustaining this shift will require extensive peer-support and to some extent peer-pressure. By educating and encouraging the use of broadband by local community leaders, this level of positive peer-pressure will be achieved. It will create a ripple effect across the larger community that will continue and expand as local people become more sophisticated and creative in their use of the Internet. Also, as more of West Virginia comes online with broadband, we anticipate this model to spread to more fire and rescue squads across the state.

SELF-SUSTAINING NON-PROFIT BUSINESS MODEL

The self-sustaining non-profit business model of this proposal is a computer repair center that will sell low-cost refurbished computers for cost back to the fire and emergency rescue squads, which will be able to sell this equipment as part of their annual fundraisers. This ongoing project will continue to make computers available at a more affordable cost, which will heighten local interest in broadband subscriptions.

In addition, Future Generations will continue to explore other government and private funding opportunities to expand the benefits of this project for the wellbeing of West Virginia’s families.

Project Profile: Outside Leverage

51. Matching Funds.

Please refer to upload section at the end of document.

52. Unjust Enrichment

No, The Future Generations Graduate School has not received nor is it applying for any Federal support for non-recurring costs.

53. Disclosure of Federal and/or State Funding Sources

No other federal or state funding source relates to this project. No funding requests for this project have been made of federal or state agencies.



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

54. Buy American.

Is the applicant seeking an individual waiver of the Buy American provision?
No

Buy American Waiver Request Explanation
N/A

H. DOC Environmental Checklist

55. SECTION 1 – Please refer to upload section at the end of document.

I. Compliance and Certification

56. Certification and signature.

Please refer to upload section at the end of the document.



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM	Easygrants ID: 1302
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Future Generations Graduate School
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Mr. Daniel C Taylor

Uploads

The following pages contain the following uploads provided by the applicant:

Upload Name
02. Q24 PCC; Q29 SBA - Management Team Resumes
03. Q26 PCC; Q31 SBA - Organization Chart
04. Q27 PCC; Q32 SBA - Key Partners
04. Q27 PCC; Q32 SBA - Key Partners
04. Q27 PCC; Q32 SBA - Key Partners
05. Q28 PCC; Q33 SBA Partnering: Disadvantaged Bus
06. Q35 PCC; Q40 SBA - Historical Financial Statem
08. Environmental Checklist
09. Compliance and Certifications*
10. CD-511 Certification - Lobbying, Upper Tier*
11. CD-512 Certification - Lobbying, Lower Tier



**Broadband Technology Opportunities Program
Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/19/2009 5:18:18 PM		Easygrants ID: 1302	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Future Generations Graduate School	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Mr. Daniel C Taylor	

12. SF-424A Budget Information Non-Construction**
13. SF-424B Assurances Non-Construction
16. SF-LLL Disclosure of Lobbying Activities*
17. Legal Opinion*
18. Authentication*
19. Supplemental Information 1
20. Supplemental Information 2
21. Supplemental Information 3

To preserve the integrity of the uploaded document, headers, footers and page numbers have not been added by the system

DOC Environmental Checklist

1. **SECTION 1-** To be completed for those projects historically shown not to create significant environmental impacts to the human or natural environment. Any answer of "No" or "Not Applicable" may require additional documentation or review.

a. Is the proposed action solely a procurement action for materials intended to be installed, stored or operated in an existing building or structure?

Yes

No

Not Applicable

b. If the proposed action involves procurement of electronic equipment, will the equipment be disposed of in an environmentally sound manner at the end of its useful life?

Yes

No

Not Applicable

c. Does the proposed action involve only minor interior renovations to a structure, facility, or installation?

Yes

No

Not Applicable

d. Is the proposed action solely for the production and/or distribution of informational materials, brochures, or newsletters?

Yes

No

Not Applicable

e. Does the proposed action consist solely of training, teaching, or meeting facilitation at an existing facility or structure?

Yes

No

Not Applicable

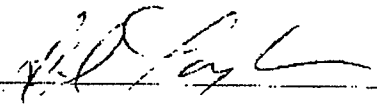
Certifications and Signature

(i) I certify that I am authorized to submit this grant application on behalf of the eligible entity(ies) listed on this application, that I have examined this application, that all of the information and responses in this application, including certifications, and forms submitted, all of which are part of this grant application, are material representations of fact and true and correct to the best of my knowledge, that the entity(ies) that is requesting grant funding pursuant to this application and any subgrantees and subcontractors will comply with the terms, conditions, purposes, and federal requirements of the grant program; that no kickbacks were paid to anyone; and that a false, fictitious, or fraudulent statements or **claims** on this application are grounds for denial or termination of a grant award, and/or possible punishment by a fine or imprisonment as provided in 18 U.S.C. § 1001 and civil violations of the False Claims Act.

(ii) I certify that the entity(ies) I represent have and will comply with all applicable federal, state, and local laws, rules, regulations, ordinances, codes, orders and programmatic rules and requirements relating to the project. I acknowledge that failure to do so may result in rejection or deobligation of the grant or loan award. I acknowledge that failure to comply with all federal and program rules could result in civil or criminal prosecution by the appropriate law enforcement authorities.

(iii) I certify that the entity(ies) I represent has and will comply with all applicable administrative and federal statutory, regulatory, and policy requirements set forth in the Department of Commerce Pre-Award Notification Requirements for Grants and Cooperative Agreements ("DOC Pre-Award Notification"), published in the Federal Register on February 11, 2008 (73 FR 7696), as amended; DOC Financial Assistance Standard Terms and Conditions (Mar. 8, 2009), the Department of Commerce American Recovery and Reinvestment Act Award Terms (Apr. 9, 2009); and any Special Award Terms and Conditions that are included by the Grants Officer in the award.

(iv) If requesting BTOP funding, I certify that the entity(ies) I represent has secured access to pay the 20% of total project cost or has petitioned the Assistant Secretary of NIA for a waiver of the matching requirement or received a waiver.

Signature of authorized person  Date Aug 10

Print name of authorized person Daniel Taylor

Title or position President

CERTIFICATION REGARDING LOBBYING

Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, "New Restrictions on Lobbying." The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Commerce determines to award the covered transaction, grant, or cooperative agreement.

LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

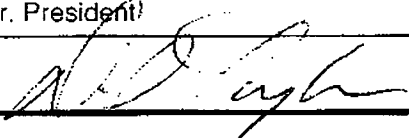
As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

In any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

NAME OF APPLICANT	AWARD NUMBER AND/OR PROJECT NAME
Future Generations Graduate School	Equipping WV's Fire and Rescue Squads with Tech
PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE	
Daniel Taylor, President	
SIGNATURE	DATE
	August 10, 2009

CERTIFICATION REGARDING LOBBYING LOWER TIER COVERED TRANSACTIONS

Applicants should review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28. "New Restrictions on Lobbying."

LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28. Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

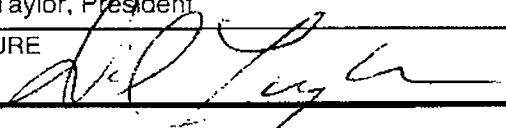
Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

In any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

NAME OF APPLICANT Future Generations Graduate School	AWARD NUMBER AND/OR PROJECT NAME Equipping WV's Fire and Rescue Squads with Tec..
PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE Daniel Taylor, President	
SIGNATURE 	DATE August 9, 2009

BUDGET INFORMATION - Non-Construction Programs

OMB Approval No. 4040-0006
Expiration Date 04/30/2008

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Broadband Technology Opportunity Project	11.557	\$	\$	\$ 6,007,655.00	\$ 1,675,756.00	\$ 7,683,411.00
2.						0.00
3.						0.00
4.						0.00
5. Totals		\$ 0.00	\$ 0.00	\$ 6,007,655.00	\$ 1,675,756.00	\$ 7,683,411.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	Broadband Technology Opportunity Program				
a. Personnel	\$ 701,250.00	\$	\$	\$	\$ 701,250.00
b. Fringe Benefits	157,781.00				157,781.00
c. Travel	483,320.00				483,320.00
d. Equipment	1,143,950.00				1,143,950.00
e. Supplies	280,500.00				280,500.00
f. Contractual	2,232,200.00				2,232,200.00
g. Construction	0.00				0.00
h. Other	1,663,686.00				1,663,686.00
i. Total Direct Charges (sum of 6a-6h)	6,662,687.00	0.00	0.00	0.00	\$ 6,662,687.00
j. Indirect Charges	1,020,724.00				\$ 1,020,724.00
k. TOTALS (sum of 6i and 6j)	\$ 7,683,411.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 7,683,411.00
7. Program Income	\$ 500,000.00	\$	\$	\$	\$

SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8. <input style="width: 95%;" type="text" value="Broadband Technology Opportunity Program"/>	\$ 312,932.00	\$	\$ 1,362,824.00	\$ 1,675,756.00	
9. <input style="width: 95%;" type="text"/>				0.00	
10. <input style="width: 95%;" type="text"/>				0.00	
11. <input style="width: 95%;" type="text"/>				0.00	
12. TOTAL (sum of lines 8-11)	\$ 312,932.00	\$ 0.00	\$ 1,362,824.00	\$ 1,675,756.00	
SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 1,686,744.00	\$ 500,000.00	\$ 400,000.00	\$ 400,000.00	\$ 386,744.00
14. Non-Federal	\$ 393,324.00	100,000.00	100,000.00	100,000.00	93,324.00
15. TOTAL (sum of lines 13 and 14)	\$ 2,080,068.00	\$ 600,000.00	\$ 500,000.00	\$ 500,000.00	\$ 480,068.00
SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)				
	(b) First	(c) Second	(d) Third	(e) Fourth	
16. <input style="width: 95%;" type="text" value="Broadband Technology Opportunity Program"/>	\$ 1,686,744.00	\$ 1,954,286.00	\$ 2,366,624.00	\$	
17. <input style="width: 95%;" type="text"/>					
18. <input style="width: 95%;" type="text"/>					
19. <input style="width: 95%;" type="text"/>					
20. TOTAL (sum of lines 16 - 19)	\$ 1,686,744.00	\$ 1,954,286.00	\$ 2,366,624.00	\$ 0.00	
SECTION F - OTHER BUDGET INFORMATION					
21. Direct Charges: <input style="width: 95%;" type="text" value="6,662,687"/>	22. Indirect Charges: <input style="width: 95%;" type="text" value="1,020,724"/>				
23. Remarks: <input style="width: 95%;" type="text"/>					

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

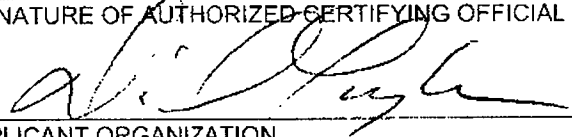
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a -1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations "
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

<p>* SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL</p> 	<p>* TITLE</p> <p>President</p>
<p>* APPLICANT ORGANIZATION</p> <p>Future Generations Graduate School</p>	<p>* DATE SUBMITTED</p> <p>Aug 12, 2009</p>

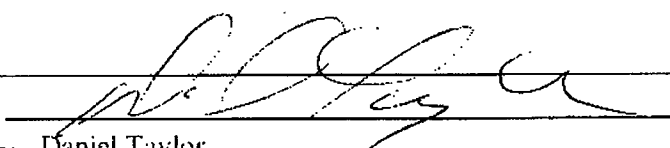
DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

Approved by OMB

0348-0046

(See reverse for public burden disclosure.)

1. Type of Federal Action: b a. contract b. grant c. cooperative agreement d. loan e. loan guarantee f. loan insurance	2. Status of Federal Action: a a. bid/offer/application b. initial award c. post-award	3. Report Type: a a. initial filing b. material change For Material Change Only: year _____ quarter _____ date of last report _____
4. Name and Address of Reporting Entity: <input checked="" type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier _____, if known: Future Generations Graduate School HC 73 Box 100 Franklin WV, 26807 Congressional District, if known: WV2	5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime: Congressional District, if known:	
6. Federal Department/Agency: National Telecommunications and Information Administration (NTIA)	7. Federal Program Name/Description: Broadband Technology Opportunities Program, "Sustainable Broadband Adoption" category CFDA Number, if applicable: 11.557	
8. Federal Action Number, if known: 0660-7A28	9. Award Amount, if known: \$	
10. a. Name and Address of Lobbying Registrant (if individual, last name, first name, MI): N/A	b. Individuals Performing Services (including address if different from No. 10a) (last name, first name, MI): N/A	
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the for above when its transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	Signature:  Print Name: Daniel Taylor Title: President Telephone No.: (304) 358-2000 Date: 8/9/2009	
Federal Use Only:		Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)

101 South Queen Street
Martinsburg, West Virginia 25401
(304) 263-0836

7000 Hampton Center
Morgantown, West Virginia 26505
(304) 285-2500

5th Floor, United Square
501 Avery Street
Parkersburg, West Virginia 26101
(304) 485-8500



McDAVID GRAFF & LOVE LLP
ATTORNEYS AT LAW

600 Quarrier Street
Charleston, West Virginia 25301

Post Office Box 1386
Charleston, West Virginia 25325-1386
(304) 347-1100

www.bowlesrice.com

August 12, 2009

333 West Vine Street, Suite 1700
Lexington, Kentucky 40507-1639
(859) 252-2202

480 West Jubal Early Drive
Suite 130
Winchester, Virginia 22601
(540) 723-8877

2400 Cranberry Square
Morgantown, West Virginia 26508-9209
(304) 594-1000

Assistant Secretary
National Telecommunications and Information
Administration
U. S. Department of Commerce
Washington, D.C. 20230

Ladies and Gentlemen:

We have acted as counsel for Future Generations Graduate School of Research and Applied Studies in Community Change, Inc., ("Applicant") in connection with Applicant's ability to apply to the Broadband Technology Opportunities Program (the "Program") and, if selected, to enter into the grant agreement (the "Grant Agreement"), as referenced in the Notice of Funds Availability.

For purposes of rendering this opinion, we have examined the following documents: (i) Certificate of Existence for Applicant issued by the Secretary of State of the State of West Virginia, dated August 11, 2009; (ii) By-Laws of Applicant, dated September 15, 2006; (iii) Letter from the Internal Revenue Service to Applicant, dated March 23, 2007, concerning approval of application for tax exempt status under section 501(c)(3) of the Internal Revenue Code; and (iv) PDF of the Broadband Technology Opportunities Program, Federal Grant Application, Sustainable Broadband Adoption (Track 3), OMB Number: 0660-0031, as published through the National Telecommunications and Information Administration (the "Application").

We have also relied upon such information and statements of Applicant as to factual matters, certificates of public officials and other instruments, documents and agreements as we have deemed necessary or appropriate to enable us to render the opinions set forth below. With respect to the opinions set forth in paragraph (b) below, we have not independently reviewed the Application or the Grant Agreement (neither being accessible or provided to us) or other agreements pertaining to the Program for purposes of this opinion.

In rendering this opinion, we have assumed, with your express permission and without independent verification or investigation, each of the following: (1) All signatures on all documents submitted to us are genuine; all documents submitted to us as originals are authentic; and all documents submitted to us as copies conform to the original documents, which themselves are authentic; (2) Each of the participants in the Program (other than the Applicant) and each of the parties to the Grant Agreement (other than the Applicant) has the requisite legal power and authority to participate in the Program and perform its respective obligations under the Grant Agreement and any other documents relating to the Program to which it is a party and has taken all necessary action to enter into and has duly executed and delivered each of such documents as applicable. To the extent that the Grant Agreement imposes any obligation upon any party other than the Applicant, the Grant Agreement is a valid and binding obligation of such other parties and enforceable against each of such parties in accordance with its respective terms; (3) All information provided by Applicant on the Application is true, accurate, and complete as of the date Applicant submits the Application; (4) Each document submitted to us by any governmental official or agency is accurate, complete and authentic, and all official public records (including the proper indexing and filing) are accurate and complete; (5) All relevant records of Applicant, as well as all copies of correspondence, certificates, business and other documents presented to us for examination are authentic, accurate and complete; and (6) Applicant will obtain all permits and governmental approvals required in

August 12, 2009

Page 2

the future, and take all action similarly required of Applicant relevant to the subsequent consummation of the transactions contemplated by the Grant Agreement.

Based upon the foregoing assumptions and subject to the qualifications, limitations and exceptions set forth herein, we are of the opinion that:

(a) the Applicant is a non-profit corporation duly organized and existing under the laws of the State of West Virginia. In rendering our opinion that Applicant is "in existence" under the laws of the State of West Virginia, we have relied solely upon a Certificate of Existence dated August 11, 2009, regarding Applicant issued by the West Virginia Secretary of State.

(b) the Applicant has the corporate power: (1) to execute and deliver the Grant Agreement, and (2) to perform all acts required to be done by it under the Grant Agreement.

(c) to our knowledge, no legal proceedings have been instituted or are pending against Applicant, the outcome of which would adversely affect Applicant's ability to perform the duties of Applicant under the Grant Agreement, and there are no judgments against Applicant which would adversely affect Applicant's ability to perform its duties under the Grant Agreement.

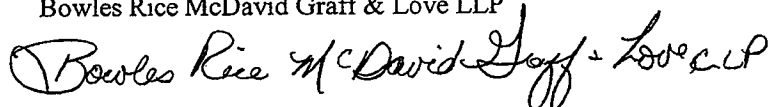
In rendering the opinions set forth above, we have not assumed any responsibility for making any independent investigation or verification of any factual matters, including, but not limited to, any factual matters stated or represented in the Application. All assumptions by us in this letter have been made with your permission and without any independent investigations to determine the existence or absence of facts, none having been expected or required of us as West Virginia counsel. For purposes of this opinion, we have not made an independent review of any agreements, instruments, writs, orders, judgments, rules or other regulations or decrees which may have been executed by or which may now be binding on Applicant or which may affect Applicant's ability to apply to the Program or perform its duties under the Grant Agreement, nor have we undertaken to review any files of Applicant relating to the Program or the Grant Agreement. As used in this opinion, stating that a matter is "to our knowledge" means only based on (i) the actual knowledge (i.e., conscious awareness of facts) the attorneys in our firm who have given substantive attention to the matter contemplated by the Application (the "Primary Attorneys"), and (ii) inquiries of the officers of Applicant whom we believe to be reasonably well-informed as to the factual matters in question, we believe that such opinions are factually correct. Except as otherwise noted above, we have not examined any public records or undertaken any other special or independent investigation in connection with any such opinion, do not have a current recollection of any fact or circumstance contradicting the statement and does not imply that any attorney in the firm has performed any independent investigation concerning such matter other than to review the documents listed above.

We are admitted to practice only in the State of West Virginia, and accordingly, we express no opinion as to matters under or involving the laws of any jurisdiction other than the State of West Virginia and its political subdivisions. Further, we specifically express no opinion with respect to the Federal Communication Commission laws and regulations; federal and state environmental laws and regulations; federal and state patent, copyright, trademark, and other intellectual property laws and regulations; or federal and state laws, regulations and policies concerning national and local emergency communications and services laws.

This opinion is rendered solely to the National Telecommunications and Information Administration in connection with its ability to process the Application of the Applicant and may not be relied upon by any other party or for any other purposes other than the purposes herein stated without our prior written consent.

Very truly yours,

Bowles Rice McDavid Graff & Love LLP



Certification Requirements for BTOP

U.S. Department of Commerce
Broadband Technology Opportunities Program

I certify that I am the duly authorized representative of the applicant organization, and that I have been authorized to submit the attached application on its behalf. A copy of the applicant organization's authorization for me to submit this application as its official representative is on file in the applicant's office, and I am identified as the applicant organization's Authorized Organization Representative (AOR) in the Central Contractor Registration database. By signing this certification, I certify that the statements contained in the application are true, complete, and accurate to the best of my knowledge, and that if an award is made, the applicant organization will comply with all applicable award terms and conditions.

Aug 9, 2009
(Date)


(Authorized Representative's Signature)

Daniel Taylor
Name:
President
Title:

101 South Queen Street
Martinsburg, West Virginia 25401
(304) 263-0836

7000 Hampton Center
Morgantown, West Virginia 26505
(304) 285-2500

5th Floor, United Square
501 Avery Street
Parkersburg, West Virginia 26101
(304) 485-8500



600 Quarrier Street
Charleston, West Virginia 25301

Post Office Box 1386
Charleston, West Virginia 25325-1386
(304) 347-1100

www.bowlesrice.com

333 West Vine Street, Suite 1700
Lexington, Kentucky 40507-1639
(859) 252-2202

480 West Jubal Early Drive
Suite 130
Winchester, Virginia 22601
(540) 723-8877

2400 Cranberry Square
Morgantown, West Virginia 26508-9209
(304) 594-1000

August 12, 2009

Assistant Secretary
National Telecommunications and Information
Administration
U. S. Department of Commerce
Washington, D.C. 20230

Re: Future Generations Graduate School of Research and Applied Studies in Community Change, Inc.

Ladies and Gentlemen:

We have acted as counsel for Future Generations Graduate School of Research and Applied Studies in Community Change, Inc., ("Applicant") in connection with Applicant's ability to apply to the Broadband Technology Opportunities Program (the "Program") and, if selected, to enter into the grant agreement (the "Grant Agreement"), as referenced in the Notice of Funds Availability.

For purposes of rendering this opinion, we have examined the following documents:

(i) Certificate of Existence for Applicant issued by the Secretary of State of the State of West Virginia, dated August 11, 2009;

(ii) By-Laws of Applicant, dated September 15, 2006;

(iii) Letter from the Internal Revenue Service to Applicant, dated March 23, 2007, concerning approval of application for tax exempt status under section 501(c)(3) of the Internal Revenue Code; and

(iv) PDF of the Broadband Technology Opportunities Program, Federal Grant Application, Sustainable Broadband Adoption (Track 3), OMB Number: 0660-0031, as published through the National Telecommunications and Information Administration (the "Application").

We have also relied upon such information and statements of Applicant as to factual matters, certificates of public officials and other instruments, documents and agreements as we have deemed necessary or appropriate to enable us to render the opinions set forth below. With respect to the opinions set forth in paragraph (b) below, we have not independently reviewed the Application or the Grant Agreement

Assistant Secretary
August 12, 2009
Page 2

(neither being accessible or provided to us) or other agreements pertaining to the Program for purposes of this opinion.

In rendering this opinion, we have assumed, with your express permission and without independent verification or investigation, each of the following:

1. All signatures on all documents submitted to us are genuine; all documents submitted to us as originals are authentic; and all documents submitted to us as copies conform to the original documents, which themselves are authentic.

2. Each of the participants in the Program (other than the Applicant) and each of the parties to the Grant Agreement (other than the Applicant) has the requisite legal power and authority to participate in the Program and perform its respective obligations under the Grant Agreement and any other documents relating to the Program to which it is a party and has taken all necessary action to enter into and has duly executed and delivered each of such documents as applicable. To the extent that the Grant Agreement imposes any obligation upon any party other than the Applicant, the Grant Agreement is a valid and binding obligation of such other parties and enforceable against each of such parties in accordance with its respective terms.

3. All information provided by Applicant on the Application is true, accurate, and complete as of the date Applicant submits the Application.

4. Each document submitted to us by any governmental official or agency is accurate, complete and authentic, and all official public records (including the proper indexing and filing) are accurate and complete.

5. All relevant records of Applicant, as well as all copies of correspondence, certificates, business and other documents presented to us for examination are authentic, accurate and complete.

6. Applicant will obtain all permits and governmental approvals required in the future, and take all action similarly required of Applicant relevant to the subsequent consummation of the transactions contemplated by the Grant Agreement.

Based upon the foregoing assumptions and subject to the qualifications, limitations and exceptions set forth herein, we are of the opinion that:

(a) the Applicant is a non-profit corporation duly organized and existing under the laws of the State of West Virginia. In rendering our opinion that Applicant is "in existence" under the laws of the State of West Virginia, we have relied solely upon a Certificate of Existence dated August 11, 2009, regarding Applicant issued by the West Virginia Secretary of State.

(b) the Applicant has the corporate power: (1) to execute and deliver the Grant Agreement, and (2) to perform all acts required to be done by it under the Grant Agreement.

(c) to our knowledge, no legal proceedings have been instituted or are pending against Applicant, the outcome of which would adversely affect Applicant's ability to perform the duties of

Assistant Secretary
August 12, 2009
Page 3

Applicant under the Grant Agreement, and there are no judgments against Applicant which would adversely affect Applicant's ability to perform its duties under the Grant Agreement.

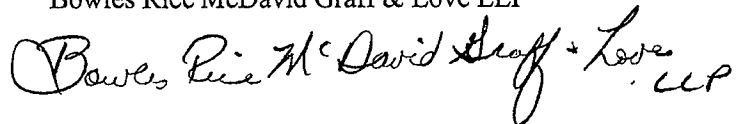
In rendering the opinions set forth above, we have not assumed any responsibility for making any independent investigation or verification of any factual matters, including, but not limited to, any factual matters stated or represented in the Application. All assumptions by us in this letter have been made with your permission and without any independent investigations to determine the existence or absence of facts, none having been expected or required of us as West Virginia counsel. For purposes of this opinion, we have not made an independent review of any agreements, instruments, writs, orders, judgments, rules or other regulations or decrees which may have been executed by or which may now be binding on Applicant or which may affect Applicant's ability to apply to the Program or perform its duties under the Grant Agreement, nor have we undertaken to review any files of Applicant relating to the Program or the Grant Agreement. As used in this opinion, stating that a matter is "to our knowledge" means only based on (i) the actual knowledge (i.e., conscious awareness of facts) the attorneys in our firm who have given substantive attention to the matter contemplated by the Application (the "Primary Attorneys"), and (ii) inquiries of the officers of Applicant whom we believe to be reasonably well-informed as to the factual matters in question, we believe that such opinions are factually correct. Except as otherwise noted above, we have not examined any public records or undertaken any other special or independent investigation in connection with any such opinion, do not have a current recollection of any fact or circumstance contradicting the statement and does not imply that any attorney in the firm has performed any independent investigation concerning such matter other than to review the documents listed above.

We are admitted to practice only in the State of West Virginia, and accordingly, we express no opinion as to matters under or involving the laws of any jurisdiction other than the State of West Virginia and its political subdivisions. Further, we specifically express no opinion with respect to the Federal Communication Commission laws and regulations; federal and state environmental laws and regulations; federal and state patent, copyright, trademark, and other intellectual property laws and regulations; or federal and state laws, regulations and policies concerning national and local emergency communications and services laws.

This opinion is rendered solely to the National Telecommunications and Information Administration in connection with its ability to process the Application of the Applicant and may not be relied upon by any other party or for any other purposes other than the purposes herein stated without our prior written consent.

Very truly yours,

Bowles Rice McDavid Graff & Love LLP

A handwritten signature in cursive script that reads "Bowles Rice McDavid Graff & Love LLP". The signature is written in dark ink and is positioned below the typed name of the law firm.



U.S. SMALL BUSINESS ADMINISTRATION
WASHINGTON, D.C. 20416

January 21, 2009

Ruth Anne Saenz, President
Lighted Signs Direct, Inc. dba Signs by Saenz
7001 Loisdale Road, Suite C
Springfield, VA 22150,1904

Dear Mrs. Saenz:

Congratulations! Your firm has been certified as a Participant in the U.S. Small Business Administration's (SBA) 8(a) Business Development Program. Your nine (9) year program term begins on the date of this letter.

Additionally, your firm has been certified as a Small Disadvantaged Business (SDB) in the Federal Government's SDB program. Your term of participation in the SDB program is concurrent with your 8(a) Business Development Certification.

During participation in the 8(a) Business Development Program, you will receive business development assistance from an assigned Business Development Specialist in the Washington, D.C. Metropolitan Area District Office located at The American Bar Association Building, 740 15th Street, NW, Washington, D.C. 20005. The phone number is 202/272-0360. The District Office will also be able to provide you with information on the SDB program and its benefits.

Your firm will become eligible to receive 8(a) Business Development contracts after you submit a business plan using SBA Form 1010C and receive SBA's approval of the plan. We are sending a copy of this certification letter to the SBA Washington, D.C. Metropolitan Area District Office. That office will send you the business plan form.

SBA requires that the 8(a) participant's President or Chief Executive Officer sign a Participation Agreement to show that he or she understands the conditions of 8(a) program participation. Please read the Agreement carefully, sign and date one copy and return it to the SBA Washington, D.C. Metropolitan Area District Office at the address shown in the third paragraph above. The second copy is for your records.

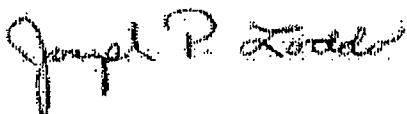
Even though your firm's approved North American Industry Classification System (NAICS) Code is 339950, your firm may be awarded contracts under other NAICS Codes, as long as your firm is qualified to perform the required service or task. In this regard, please note that contracts awarded under 8(a) Business Development Program authority generally result from the self-marketing efforts of participating firms. While your firm's acceptance into the 8(a) Business Development program is not a guarantee of contract support, SBA will make every effort to assist you in your marketing efforts.

During your participation in the 8(a) Business Development Program, I encourage you to take advantage of the Mentor-Protégé Program, the Federal Surplus Property Program and the extensive management and technical training available to you. Your local SBA District Office can provide additional information on these programs.

If you have not already done so, we strongly suggest that you acquire access to e-mail to enhance your communication abilities with public and private sector buyers. Also, you should consider setting up a merchant account with a credit card company which will give you the ability to accept credit card orders for your goods and services from over 1,000 Federal buying offices. Finally, registration in the Department of Defense's Central Contractor Registration (CCR) database is a requirement to receive federal contracts. Therefore, if you have not already done so, you must register your firm, including completion of the SBA supplemental page, in the CCR registry found on-line at <http://www.ccr.gov/>.

I welcome you as an 8(a) Business Development Program participant and wish you every possible success.

Sincerely,

A handwritten signature in black ink, appearing to read "Joseph P. Loddo". The signature is written in a cursive style with a large initial "J".

Joseph P. Loddo
Associate Administrator
Office of Business Development

Future Generations Graduate School

Random Surveys – Data Analysis – Broadband Usage Among West Virginia’s Emergency Fire and Rescue Squads August 11, 2009

I. Survey Method

The Future Generations Graduate School contracted with an independent surveyor, who previously served as the Pendleton County Deputy Assessor, to conduct a random survey of 20 of the states volunteer fire and emergency rescue squads. Two random numbers were selected, ranging from numbers 1 - 445 with 445 being the total number of volunteer fire and emergency rescue squads in WV from a list provided by the State Fire Marshall. The first number was selected by a Future Generations staff person with no knowledge of the project and the second number was computer generated using a random number configuration in Excel. The surveyor called every tenth phone number on the list; in cases where no one was available, the surveyor went on to the next number. A total of 21 fire and rescue squads were interviewed.

II. Fire and Rescue Squads Interviewed

Athens (Mercer County), Bethany (Brooke County), Blue Ridge (Jefferson County), Brackville (Marion County), Bridgeport (Harrison County), Citizen Fire (Jefferson County), Cora (Logan County), Duvall District (Lincoln County), Glendale (Marshall County), Great Cacapon (Morgan County), Jefferson (Kanawha County), McMechen (Marshall County), Morgantown (Monongalia County), Nettie (Nicholas County), Ridgeley (Mineral County), Sistersville (Tyler County), South Berkeley (Berkeley County), Spelter (Harrison County), Summersville (Nicholas County), Tri-Towns (Mineral County), and Weston (Lewis County).

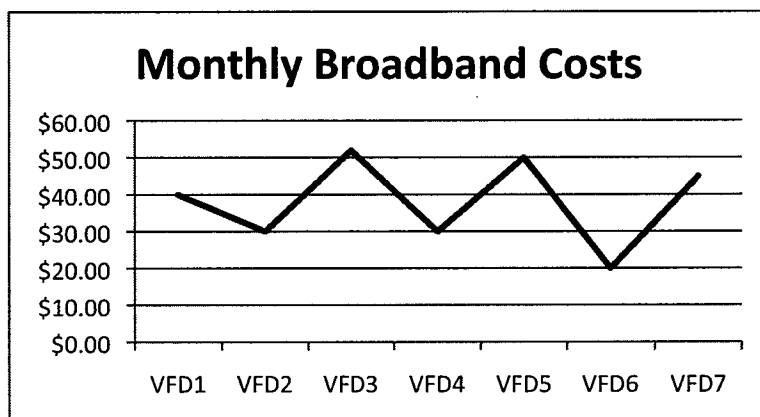
III. Analysis Methods

Analysis of this data involved an assessment of percentages and averages.

IV. Findings

- a. 48% are subscribed to Broadband
- b. 52% currently have available space for computer facility that could remain open to the public
- c. The average age of a computer is 3.5 years

Monthly Broadband Costs



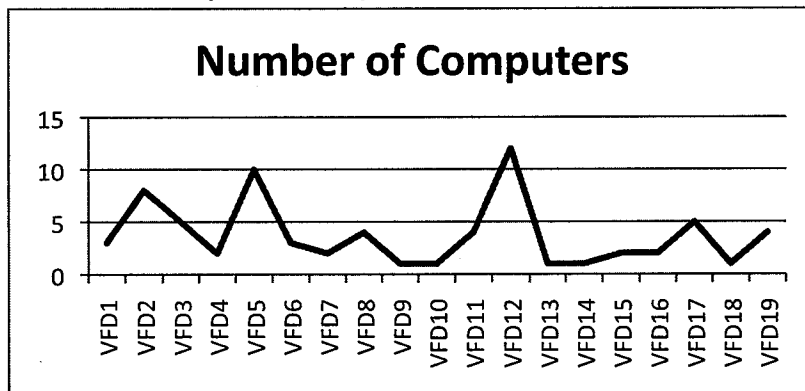
Top Current Uses of Broadband

Top Uses of Broadband	Percent of Random Fire Companies Surveyed (that have Broadband)
Internet Browsing	93%
Email	91%
Training	85%

Top Requests for Future Training via Broadband

Top Requests for Future Training	Percent of Random Fire Companies Surveyed Requesting this Training
Family Health	77%
Computer Applications	67%
Earn College Credit	69%
Business Development	61%
Jobs Training	62%

Number of Computers Per Squad (*note that VFD12's computers are in three separate stations)



FutureGenerations Graduate School

Sustainable Broadband Adoption

FOOTNOTES & REFERENCES

II. Purpose

- ¹West Virginia Herald Dispatch. Gov. Joe Manchin: Program to bring rural W.Va. into 21st century. August, 22, 2007 <http://www.herald-dispatch.com/apps/pbcs.dll/article?AID=/20070822/NEWS01/708220325/1001/NEWS10>
- ²Testimony given by Billy Jack Gregg, Billy Jack Gregg Universal Consulting, on behalf of Frontier Communications Corporation, West Virginia Public Service Commission, Case No. 00-0871-T-PC
- ³Industry Analysis and Technology Division Wireline Competition Bureau. Table 13 of High-Speed Services for Internet Access: Status as of June 30, 2008. Federal Communications Commission, July 2009. http://www.fcc.gov/Daily_Releases/Daily_Business/2009/db0723/Doc-292191A.pdf
- ⁴Testimony given by Billy Jack Gregg, Billy Jack Gregg Universal Consulting, on behalf of Frontier Communications Corporation, West Virginia Public Service Commission, Case No. 00-0871-T-PC
- ⁵Horrigan, John. Home Broadband Adoption 2009. Pew Internet and American Life Project of the Pew Research Center, 2009. <http://www.pewinternet.org/Reports/2009/10-Home-Broadband-Adoption-2009.aspx>
- ⁶Personal correspondence with Billy Jack Gregg of Billy Jack Gregg Universal Consulting and former Director of the Consumer Advocate Division of the West Virginia Public Service Commission from 1981-2007 and Vickie Colaw, General Manager of Spruce Knob Seneca Rocks Telephone Service.
- ⁷Horrigan, John. Home Broadband Adoption 2009. Pew Internet and American Life Project of the Pew Research Center, 2009. <http://www.pewinternet.org/Reports/2009/10-Home-Broadband-Adoption-2009.aspx>
- ⁸U.S. Census Bureau, 2007.
- ⁹West Virginia Advanced Services Task Force. General Investigation into the Development of Advanced Telecommunications, CASE NO. 00-0028-T-GI. West Virginia Public Service Commission, April 24, 2007.
- ¹⁰Fire Chief, Durbin, WV
- ¹¹Connected Nation. Consumer Insights to America's Broadband Challenge. Connected Nation, October 13, 2008.

http://www.connectednation.org/research/Americas_Broadband_Challenge.php

- ¹² Future Generations Graduate School. Broadband Usage, Computer Equipment, and Training Survey of West Virginia's Fire and Rescue Squads. July-August, 2009. See Survey Analysis summary under Supplemental Uploads.
- ¹³ Future Generations Graduate School. Broadband, Computer Access, and Training Survey of West Virginia Public Libraries in 10 year-one target counties. July-August 2009. Details available upon request.

Matching Funds—Q42 from Hard Copy Application (response section not available on electronic form)

Total Matching and In-Kind Funds

Funds to be Provided by Applicant

Cash from Operations	\$ 271,360
Indirect Costs – 15.32% Applied to Inkind	\$ 41,572
Total by Applicant	\$312,932

Cash provided from annual institutional un-restricted funds from an anonymous private philanthropist who has been supporting Future Generations since 1992. Much of the direct cash outlay will go toward the non-federal share of personnel and in-direct costs as well as lodging for training and workshops.

In-Kind Contributions

Mentor Volunteers	\$411,840
Program Training Partners	66,000
Mission WV Rent Waiver	36,000
Centerville High School Preservation Rent Waiver	18,936
Fire Station Rent Waiver	300,000
Equipment Set up Volunteer Labor	39,000
Maintenance Volunteer Labor – Vo Tech Schools	250,000
Total In-Kind Contributions	\$1,181,776
Indirect Costs – 15.32% Applied to Inkind	\$181,048
Total by Other In-Kind	\$1,362,824

Calculations for In-Kind Contributions

Based on initial letters of collaboration that have been gathered and are attached, Future Generations uses the following calculations for its in-kind contributions.

Mentor Volunteers: Each year, this project estimates that 10% of computer mentors will volunteer to waive their stipend as an in-kind contribution to this project. As these

mentors have not yet been identified and trained, letters of commitment are not yet available, but the organization is assured it will have no difficulty finding 9 of 90 mentors who will volunteer.

Program Training Partners: Each year, the training partners of this project are providing in-kind matching support in terms of salaries, travel, material costs, and in some cases modest pre-application costs that involved the development of their curriculum. The Johns Hopkins Disaster Preparedness Programs will provide two workshops to train up to 200 people in addition to training 10 in-state training facilitators and making its curriculum available online, an in-kind contribution that Future Generations modestly estimates at \$30,000 (see attached letter). The Monongahela National Forest is contributing an estimated \$2,000 a year in terms of staff salaries, curriculum, and travel (see attached letter). The Partnership of African American Churches will contribute all of the training materials for free for two of their courses for Community Wellness Coordinators and their Chronic Disease Self Management (see their budget details attached). Mission WV has already trained its instructors and developed its curriculum for its E-Commerce Academy (no in-kind value assigned.)

Mission WV and Circleville High School Rent Waivers: See letters attached. Mission WV will provide a \$12,000 annual in-kind rent waiver of their computer repair facilities; the Circleville High School Preservation Committee will provide an annual \$ in-kind waiver of their facilities for the use of computer repair.

Fire Station Rent Waiver: This project estimates that up to 25% of the rent will be waived by the participating fire and rescue squads for the use of their space as Broadband Learning Centers. In year one, a number of fire and rescue squads have already agreed to waive part of their rent (see letters attached.)

Equipment Set-up and Maintenance Volunteer Labor: This project will engage the computer students of high schools and community and technical colleges in annual computer maintenance, estimated at a value of \$2,500 per site/\$228 per computer. One letter of in-kind support has been signed (attached). More agreements are anticipated once the formal school year starts as based on informal discussions.

Indirect Costs Applied to In-kind: Future Generations Negotiated Indirect Cost Rate Agreement with the federal government has been set to 15.32% (letter attached). Of this, \$181,048 will be waived by Future Generations as part of the in-kind match.



JOHNS HOPKINS
BLOOMBERG
SCHOOL of PUBLIC HEALTH

Center for Public Health Preparedness

August 14, 2009

Dr. Daniel Taylor
President
Future Generations Graduate School
HC 73 Box 100
Franklin, WV 26807

Subject: NTIA-funded Broadband Technology Opportunity

Dear Dr. Daniel Taylor:

The Johns Hopkins Center for Public Health Preparedness has been funded by the Centers for Disease Control and Prevention to provide training for the Spiritual Caregiver in Psychological First Aid and Guided Preparedness Planning with follow-on technical assistance workshops. We are preparing to provide this training to a variety of community based organizations in West Virginia in the spring of 2010. In addition, our website has a large number of “just in time, just in case” training modules covering a variety of topics in public health preparedness (www.jhsph.edu/preparedness).

In every community, fire and rescue squads, health professionals, first responders, clergy and laity provide support and comfort to people coping with life crises. These individuals are essential to helping their communities be “ready, willing, and able” to prepare, respond, and recover to a wide variety of threats. West Virginians have unfortunately had to be resilient to a wide variety of natural and man-made threats.

By promoting willingness, ability, and readiness of rural faith communities to participate in coordinated emergency preparedness and response efforts with their local health departments, fire departments and rescue squads, our trainings address no fewer than three priority areas of public health preparedness: 1) strengthening partnership building and collaborative capacities and capabilities; 2) strengthening outreach to vulnerable populations; and 3) strengthening disaster behavioral health.

Sincerely yours,

Jonathan Links, PhD
Professor of Environmental Health
Director, Center for Public Health Preparedness

Protecting Health, Saving Lives—*Millions at a Time*



File Code: 2610/3200

Date: August 7, 2009

Dr. Daniel Taylor
President
Future Generations Graduate School
HC 73, Box 100
Franklin, WV 26807

Dear Dr. Taylor:

The Monongahela National Forest is pleased to collaborate with Future Generations Graduate School on the upcoming NTIA-funded Broadband Technology Opportunity Program for the "Sustainable Broadband Adoption" category to benefit West Virginia's families.

Specifically, if you are successful in obtaining this grant the Forest willing to offer the following Emergency Management geospatial training program to integrate hands-on skills training with broadband internet usage to increase connections for learning and relevant information:

- **Emergency Management: Introduction to Online Mapping**
Instructor: Sam Lammie, GISP
Title: GIS Program Manager
Agency: Monongahela National Forest, US Forest Service
Course Description: Emergency management relies on locational information to cut incident response times and to facilitate a successful outcome. Google Earth is a revolutionary online mapping tool that effectively takes aerial photography, and merging locational information, produces near real-time maps that support first responders and emergency personnel in their quest to answer the emergency call. This includes two eight-hour "train-the-trainer" training sessions for local Volunteer Fire Department mentors. The training location or room should be equipped with the necessary computer equipment, Internet access, and software for 10 to 12 students. The instructor (see attached curriculum vitae) will walk mentors through the process of utilizing existing Google Earth imagery to serve as a backdrop for local geographic data. Techniques for acquiring data and for generating local data sets will be covered. Online Internet resources will be explored and critically examined for utility in a fast-paced emergency response setting. This training session will be held twice, the second session to be held six months to one year following the initial session to review progress and to introduce more advanced concepts. The Monongahela NF contribution will include four-person days, the travel and per diem necessary for the training. The total estimated cost for the support will be \$3,000. This amount does include one night's lodging.

This curriculum has been previously piloted, internally within the Monongahela National Forest, on land management issues in Elkins, West Virginia. This proposed training incorporates the author's background in emergency wildfire incidents and experience using Environmental System Research Institute ArcGIS software with the Fire Incident Mapping Tool (FIMT) to explore and accomplish achievable results in an emergency situation using online mapping tools.



Dr. Daniel Taylor

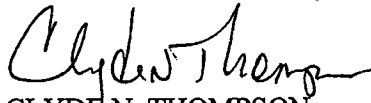
page 2

The Monongahela National Forest has a long history of effectively working with state agencies and local stakeholders across the spectrum in West Virginia. The Forest is congressionally mandated to practice sustainable land management on over 900,000 acres in the state of West Virginia. This critical role not only encompasses wildlife, aquatic and timber management, but also the Forest's pivotal role in coordinating fire management and emergency response within the state and across the country.

Should you be successful in obtaining this grant we would then work with you to develop a project specific memorandum of understanding outlining how we would work together.

I look forward to continuing this conversation and working with the Future Generations Graduate School and its partners.

Sincerely,



CLYDE N. THOMPSON

Forest Supervisor

cc: Jack Tribble, Sammie R Lammie

SAMUEL R. LAMMIE**QUALIFYING EXPERIENCE**

A professional Geographer with over fifteen (15) years experience working in the federal sector and specializing in the use and deployment of geospatial technologies. Completed professional certification as a certified GIS professional (GISP) in March, 2005. Coordinated the development and deployment of geospatial tools involving geographic information systems (GIS) and global positioning systems (GPS) on two major federal sites. Dispatched and served on wildfire incidents as both a federal firefighter and as a GIS Specialist. Participated on various interdisciplinary teams (IDT) tasked with inventorying, monitoring, and mapping various wildlife species including the American Bald Eagle, the Eastern Timber Wolf, and various avian species. Organized and led a number of geospatial training sessions on the field use of GPS units and on the use of GIS tools.

EDUCATION

Master of Arts, Geographic Information Systems, University at Buffalo, 1991.
Bachelor of Science, Computer Science, Clarion University, 1985.
Bachelor of Science, Forest Science, Penn State University, 1975.

PROFESSIONAL HISTORY**1999 to present**

Geographer, Geospatial Program Manager, Monongahela National Forest, Geospatial technology coordination and support on the 900,000+ acre national forest for a land management staff of 100+ individuals. The Forest geospatial program consists of four individuals dedicated to assisting professional staff by providing technical expertise, supplying map products, participating on Forest interdisciplinary teams (IDT), and training staff in the use of geospatial technologies. Specific examples of GIS accomplishments include participation on the Forest Plan Revision IDT team (completed 2007), conducting GIS analysis on Forest management projects to ensure National Environmental Policy Act (NEPA) compliance, supporting a Forest GIS/GPS user group of over 40 individuals, and wildfire incident support as a GIS specialist.

1992 to 1999

Geographer, GIS Coordinator, Voyageurs National Park, National Park Service, International Falls, Minnesota, GIS program coordination serving professional resource staff and academic researchers. Active participation in various efforts to inventory and monitor Threatened and Endangered (T&E) species within the park. Dispatched as a firefighter crewmember on various wildfire incidents.

CONTACT INFORMATION

Samuel R. Lammie, GISP
Geographer
Monongahela National Forest
200 Sycamore Street
Elkins, WV 26241



Geographic 38° 55' 43.48" N 79° 58' 38.51" W

Tel: 304-636-1800 ext 207, Fax: 304-636-1875
Email: slammie@fs.fed.us

ESTIMIATED BUDGET FOR
PROVISION OF TRAINING CURRICULUM
Broadband Technology Opportunities Program (BTOP)
“Sustainable Broadband Adoption Program”

Curriculum Provider---Partnership of African American Churches

I. Core costs already covered by this grant and community partnerships:

- computer equipment, stations, and network wiring
- facility space
- basic internet and word processing software

II. Special additional budget items that the delivery of your curriculum will require:

- Salaries of Trainers:
- Project Coordinator/Trainer - .50 FTE X \$30,000/yr =\$15,000
- Trainer - .30 FTE X \$25,000/yr = \$7,500
- Mileage - Approx 25,000 (24,282) miles X \$.50 = \$12,500

Curriculum/Training fees per person (if applicable): 150.00 per person for Project Alert Materials, Too Good For Drugs curriculum kit 795.00 each, workbooks for students package of 25 @20.00 each. Creating Lasting Family connections 1125.00 for complete training kits and participant manuals package of 25@ 99.95 each, \$500. CDSM License

III. Ideal number of students per class: 10-15

IV. Number of hours and/or days required per training: 1-2 average, 2hrs training over 9 week period

V. Are you able to make any in-kind contributions?: Yes---

Chronic Disease Self Management Program Leader’s Manuals,

Developing Health Ministries Program Leaders Manuals

Circleville High School Preservation Committee

August 4, 2009

Dr. Daniel Taylor
President
Future Generations Graduate School
HC 73 Box 100
Franklin, WV 26807

Subject: Agreement and Letter of Collaboration to host the Circleville Computer Repair Center

Dear Dr. Taylor:

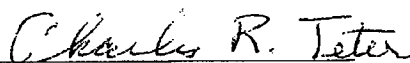
The Circleville High School Preservation Committee is pleased to collaborate with Future Generations Graduate School on the upcoming NTIA-funded Broadband Technology Opportunity Program for the "Sustainable Broadband Adoption" category to benefit West Virginia's families and public safety organizations.

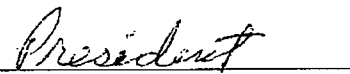
Specifically, we are pleased to make two large classrooms (22' by 29') within our facility available to this project. This space will be used to accommodate a computer repair center, including the computer equipment, necessary hardware, and a workspace. This space is leased at \$12 a square foot per year with the annual rental value of \$15,312. We will donate approximately 40% of this lease rate (\$6,312) as an in-kind contribution toward this project. The annual lease rate for the Future Generations Graduate School to run this computer repair facility will be \$9,000 a year.

The Circleville High School Preservation Committee is a local non-profit organization with a mission to secure businesses and activities that will generate revenue to maintain this facility and also to stimulate economic development in our community. The Circleville High School has been renovated with up to code ADA, Fire Marshall, and Health Department permits. In addition, the facility is fully equipped with telephone, fiber-optic broadband internet, electric, and water services.

On behalf of the Circleville High School Preservation Committee, I look forward to continuing this conversation and working with the Future Generations Graduate School and its partners.

Sincerely,


SIGNATURE


TITLE

P.O. Box 73
Circleville, WV 26804
Ph. 304.567.7500



168 Midland Trail, Suite 1
Hurricane, WV 25526

August 4, 2009

Dr. Daniel Taylor
President
Future Generations Graduate School
HC 73 Box 100
Franklin, WV 26807

BOARD OF DIRECTORS:

Mr. Richard Barnard, Secretary
Ms. Lynn Bennett, Treasurer
Dr. David Clayman, Vice-President
Mr. Roy Lee Cooke
Dr. Jan Fox
Mr. John Golden
Dr. Karen Huffman
Ms. Maria Hughes, Esq.
Mr. William Loope
Ms. Carol McClaugherty
Rev. D.D. Meighen, President
Dr. Ruthellen Phillips
Dr. Kenneth Ramsey
Mr. William Smith
Ms. Linda Wellings

STAFF CONTACTS:

Executive Director
Dr. Charles Chandler

**Associate Director/ e-Impact
Technology Program**
Mr. B. David Rogers

Accounting Services
Ms. Terri Ramsey, Director

Frameworks
Ms. Kelly M. Thompson, Director

Telephone: 304-562-0723
Fax: 304-562-0726
Email: mwv@missionwv.org
Website: www.missionwv.org

Subject: Letter of Support to be a Sub-Contractor in Providing Used Computers as part of the Computer Repair Center project within the Sustainable Broadband Adoption program.

Dear Dr. Taylor:

Mission West Virginia is pleased to provide used computers to Future Generations Graduate School should it receive its grant from the NTIA-funded Broadband Technology Opportunity Program for the "Sustainable Broadband Adoption" category.

Mission West Virginia will provide up to 900 used computers per year for \$40 per computer. These computers will then be repaired by sub-contractors through two repair centers established through this grant, one in Pendleton County and one in the Charleston area, managed by Timothy Taylor of TLTEK, LLC. These computers will then resold, at cost (an estimated \$200), to West Virginia's volunteer fire and emergency rescue squads and through a marketing and outreach effort to serve other low-income families and organizations in need.

Mission West Virginia has a long history operating a computer repair center in Huntington, W.Va., repairing and re-distributing an average of 500 computers per year. We are excited about being able to bring this experience to this important community-based broadband assistance project and about the opportunity to collaborate with the Future Generations Graduate School.

In addition, should Timothy Taylor and TLTEK need access to repair facilities we will offer the facility of our computer repair center as an in-kind contribution valued at \$1,000 per month, as per our current lease agreement.

Mission WV also has access for online brokers for buying discounted computer repair parts as well as bulk software packages and will help make these venues available to the computer repair sub-contractors.

We are confident that we will be able to look into additional areas of collaboration upon the start of the project and that together we will be able to produce significant and sustainable results.

On behalf of Mission West Virginia, I look forward to continuing this conversation and working with the Future Generations Graduate School and its partners.

Sincerely,

B. David Rogers

B. David Rogers
Assoc. Director/CTO
Mission West Virginia, Inc.

Town of Anawalt
PO Box 40
Anawalt, WV 24808

August 12, 2009

Dr. Daniel Taylor
President
Future Generations Graduate School
HC 73 Box 100
Franklin, WV 26807

Subject: Letter of Collaboration for public computer centers and broadband training programs to benefit local families and improve our capacity as a public safety organization.

Dear Dr. Taylor:

The Town of Anawalt is pleased to collaborate with Future Generations Graduate School on the upcoming NTIA-funded Broadband Technology Opportunity Program for the "Sustainable Broadband Adoption" category to benefit West Virginia's families.

Specifically, the Town of Anawalt, is pleased to be a direct participant and beneficiary of this proposal. We are enthusiastic to:

- Use our high-speed broadband internet access as a new "safety vehicle" to increase training opportunities and access to information for our community and our squad
- Host a public computer center that will be open to the public for at least ten hours a week
- Partner with the Future Generations Graduate School, its partner organizations, and other state agencies to offer a range of training programs. Of special interest to our squad are training programs in such topics as: PLEASE LIST and/or choose from this list
 - disaster preparedness
 - basic computer and internet skills
 - family health and wellness
 - drug and alcohol prevention for communities and families
 - household management including such topics as budgeting, financing, digital photo scrapbooks, and weatherization to increase household energy efficiency
 - EMS training and educational opportunities
 - Job-skills training, including website development, an e-commerce academy and niche marketing to promote local businesses online, and access to online courses offered by West Virginia's network of community and technical colleges
 - Using wildlife camera traps and GPS computer mapping

The Town of Anawalt also is pleased to "accept a monthly rental fee of \$250 (NOTE: \$500 Max) to help us cover any additional costs associated with making this facility available to the public and advertizing training programs."

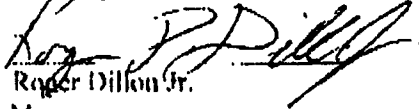
The Town of Anawalt and the Anawalt Volunteer Fire Department also believes this proposal has great potential to increase our direct service to the community and may help to boost our ability to fundraise. We also look forward to increased opportunities to network online with state agencies, other participating emergency and rescue squads and to strengthening linkages with local faith-based congregations, especially to improve networks for local disaster preparedness and response and to increase our own recruitment and membership base.

The Town of Anawalt and Anawalt Volunteer Fire Department wish to provide basic services, including the ability to use computers and all the advantages that brings. We serve three different communities along with the town itself and have roughly 800 people in the area that could benefit from this.

We are confident that we will be able to look into additional areas of collaboration upon start of the project and that together we will be able to produce significant and sustainable results.

On behalf of the Town of Anawalt, I look forward to continuing this conversation and working with the Future Generations Graduate School and its partners.

Sincerely,



Roger Dillon Jr.
Mayor

CONTACT INFO

Town of Anawalt
PO Box 40
Anawalt, WV 24808

Phone: (304) 383-2993
Fax: (304) 383-2661

Flatwoods Community Volunteer Fire Department

August 6, 2009

Dr. Daniel Taylor
President
Future Generations Graduate School
HC 73 Box 100
Franklin, WV 26807

Subject: Letter of Collaboration for public computer centers and broadband training programs to benefit local families and improve our capacity as a public safety organization.

Dear Dr. Taylor:

The Flatwoods Community Volunteer Fire Department is pleased to collaborate with Future Generations Graduate School on the upcoming NTIA-funded Broadband Technology Opportunity Program for the "Sustainable Broadband Adoption" category to benefit West Virginia's families.

Specifically, we are pleased to be a direct participant and beneficiary of this proposal. We are enthusiastic to:

- Use our high-speed broadband internet access as a new "safety vehicle" to increase training opportunities and access to information for our community and our squad
- Host a public computer center that will be open to the public for at least ten hours a week
- Partner with the Future Generations Graduate School, its partner organizations, and other state agencies to offer a range of training programs. Of special interest to our squad are training programs in such topics as:
 - disaster preparedness
 - basic computer and internet skills
 - family health and wellness
 - drug and alcohol prevention for communities and families
 - household management including such topics as budgeting, financing, digital photo scrapbooks, and weatherization to increase household energy efficiency
 - EMS training and educational opportunities
 - Job-skills training, including website development, an e-commerce academy and niche marketing to promote local businesses online, and access to online courses offered by West Virginia's network of community and technical colleges
 - Accessing online mapping resources, such as Google Earth.

We also appreciate your offer to help cover some of the associated costs with making this facility available to the public and advertizing training programs. We would appreciate \$300.⁰⁰ per month for these costs, and offer \$200.⁰⁰ as an in-kind contribution.

The Flatwoods Community Volunteer Fire Department also believes this proposal has great potential to increase our direct service to the community and may help to boost our ability to fundraise. We also look forward to increased opportunities to network online with state agencies, other participating emergency and rescue squads and to strengthening linkages with local faith-based congregations, especially to improve networks for local disaster preparedness and response and to increase our own recruitment and membership base.

We are confident that we will be able to look into additional areas of collaboration upon start of the project and that together we will be able to produce significant and sustainable results.

I look forward to continuing this conversation and working with the Future Generations Graduate School and its partners.

Sincerely,

Don Conrad

Fire Chief

TITLE

Mullens Volunteer Fire Department

August 6, 2009

Dr. Daniel Taylor
President
Future Generations Graduate School
HC 73 Box 100
Franklin, WV 26807

Subject: Letter of Collaboration for public computer centers and broadband training programs to benefit local families and improve our capacity as a public safety organization.

Dear Dr. Taylor:

The Mullens Volunteer Fire Department is pleased to collaborate with Future Generations Graduate School on the upcoming NTIA-funded Broadband Technology Opportunity Program for the "Sustainable Broadband Adoption" category to benefit West Virginia's families.

Specifically, we are pleased to be a direct participant and beneficiary of this proposal. We are enthusiastic to:

- Use our high-speed broadband internet access as a new "safety vehicle" to increase training opportunities and access to information for our community and our squad
- Host a public computer center that will be open to the public for at least ten hours a week
- Partner with the Future Generations Graduate School, its partner organizations, and other state agencies to offer a range of training programs. Of special interest to our squad are training programs in such topics as:
 - disaster preparedness
 - basic computer and internet skills
 - family health and wellness
 - drug and alcohol prevention for communities and families
 - household management including such topics as budgeting, financing, digital photo scrapbooks, and weatherization to increase household energy efficiency
 - EMS training and educational opportunities
 - Job-skills training, including website development, an e-commerce academy and niche marketing to promote local businesses online, and access to online courses offered by West Virginia's network of community and technical colleges
 - Accessing online mapping resources, such as Google Earth.

We also appreciate your offer to help cover some of the associated costs with making this facility available to the public and advertizing training programs. We would appreciate \$350.⁰⁰ per month for these costs, and offer \$150.⁰⁰ as an in-kind contribution.

The Mullens Volunteer Fire Department also believes this proposal has great potential to increase our direct service to the community and may help to boost our ability to fundraise. We also look forward to increased opportunities to network online with state agencies, other participating emergency and rescue squads and to strengthening linkages with local faith-based congregations, especially to improve networks for local disaster preparedness and response and to increase our own recruitment and membership base.

We are confident that we will be able to look into additional areas of collaboration upon start of the project and that together we will be able to produce significant and sustainable results.

I look forward to continuing this conversation and working with the Future Generations Graduate School and its partners.

Sincerely,

W. Earl Morgan Jr.

Secretary/Treasurer
TITLE

Calhoun-Gilmer Career Center

Training for a career, educating for a future.

Mr. Bryan Sterns, Director

Mr. David L. White, Counselor/Job Placement

August 6, 2009

Dr. Daniel Taylor
President
Future Generations Graduate School
HC 73 Box 100
Franklin, WV 26807

Subject: NTIA-funded Broadband Technology Opportunity Program

Dear Dr. Taylor:

The Calhoun-Gilmer Career Center is pleased to collaborate with the Future Generations Graduate School proposal on the upcoming NTIA-funded Broadband Technology Opportunity Program for the "Sustainable Broadband Adoption" category to benefit West Virginia's families.

I understand that Gilmer County is one of the ten counties initially targeted by the grant. I would hope that NTI-funded Broadband Technology Program would be expanded to include Calhoun County as well. The technical center serves Gilmer and Calhoun Counties and would benefit greatly from computer labs available in the rural fire stations. As the director of the center, I can foresee the possibility of offering courses such as Computer Repair and Computer System Maintenance in these locations, reaching a greater number of students than otherwise feasible.

The Calhoun-Gilmer Career Center would also like to offer an in-kind contribution of computer/network maintenance through the students in our networking technologies courses. Under supervision of their instructor, students may be available to help service the computers and network.

We look forward to working with the Future Generations Graduate School and other organizations in this important community-based broadband assistance project. This has the potential for greatly benefiting the families of West Virginia. Once this project has started, we look forward to continuing conversations and looking for new ways of collaboration.

Sincerely,

Bryan P. Sterns
Director
Calhoun Gilmer Career Center

5260 E. Little Kanawha HWY. Grantsville, WV 26147-8167

Phone: (304) 354-6151

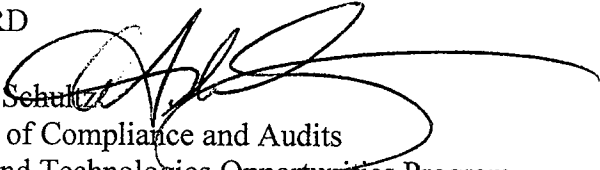
Fax: (304) 354-6154



November 16, 2009

MEMORANDUM FOR THE RECORD

FROM:

Cynthia Schultz 
Director of Compliance and Audits
Broadband Technologies Opportunities Program

SUBJECT:

Categorical Exclusion for the Future Generations Graduate School (WV), Easy Grant ID 1302 under the BTOP Grant Program.

The National Environmental Policy Act (NEPA) implementing regulations (40 CFR Parts 1500-1508) and the Department of Commerce (DOC) Departmental Administrative Order 216-6 implementing NEPA require all proposed actions to be reviewed with respect to environmental consequences on the human environment. This memorandum summarizes the determination that the Future Generations Graduate School, Easy Grant ID 1302 under the BTOP Grant Program, is qualified to be categorically excluded from further environmental review under NEPA.

Description of the Action

This is a community-based project to stimulate broadband access among low income and predominantly rural communities across West Virginia. Future Generations proposes to use volunteer fire and emergency rescue stations as anchor institutions (90 total) to establish broadband access points and training for local communities.

In year one, 30 fire rescue stations that already have access to broadband, and space to host a computer facility, will be equipped with 11 computer work stations. Each station will have a desktop monitor, software, projector and screen, printer and scanner, and web camera for real-time audio/video communication. Purchased computer equipment will include low-cost refurbished computers. Training at these centers will be offered in the form of digital literacy, disaster preparedness, online mapping programs, career readiness courses, and health, wellness, and substance abuse training programs. An additional 60 fire and rescue squads will be invited to join the program in years two and three.

All proposed computer work stations will be within established facilities that have existing broadband access. There is no construction associated with the proposed project.

Effects of the Action

The funded actions will be installation and maintenance of computer equipment for training purposes and are not expected to have an adverse impact on the environment.

Categorical Exclusion

The activities associated with this project qualify under BTOP Categorical Exclusion:

- A.5 Internal modifications or equipment additions (*e.g.*, computer facilities, relocating interior walls) to structures or buildings.

The activities associated with this project also qualify under DOC Categorical Exclusions:

- A-7 Acquisition, installation, operation, and removal of communications systems, data processing equipment, and similar electronic equipment, and;
- A-8 Planning activities and classroom-based training and classroom-based exercises using existing conference rooms and training facilities.

The proposed activity is categorically excluded from the need for further environmental review under NEPA. Any changes to the above project will require additional NEPA review.

BUDGET INFORMATION - Non-Construction Programs

OMB Approval No. 4040-0006
Expiration Date 04/30/2008

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Broadband Technology Opportunity Project	11.557	\$	\$	\$ 4,461,874.00	\$ 1,160,092.00	\$ 5,621,966.00
2.						0.00
3.						0.00
4.						0.00
5. Totals		\$ 0.00	\$ 0.00	\$ 4,461,874.00	\$ 1,160,092.00	\$ 5,621,966.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	Broadband Technology Opportunity Program				
a. Personnel	\$ 735,000.00	\$	\$	\$	\$ 735,000.00
b. Fringe Benefits	165,375.00				165,375.00
c. Travel	497,240.00				497,240.00
d. Equipment	869,950.00				869,950.00
e. Supplies	176,500.00				176,500.00
f. Contractual	1,689,400.00				1,689,400.00
g. Construction	0.00				0.00
h. Other	741,636.00				741,636.00
i. Total Direct Charges (sum of 6a-6h)	4,875,101.00	0.00	0.00	0.00	\$ 4,875,101.00
j. Indirect Charges	746,865.00				\$ 746,865.00
k. TOTALS (sum of 6i and 6j)	\$ 5,621,966.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 5,621,966.00
7. Program Income	\$ 314,200.00	\$	\$	\$	\$

Authorized for Local Reproduction

SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8. <input style="width: 95%;" type="text" value="Broadband Technology Opportunity Program"/>	\$ 417,136.00	\$	\$ 742,956.00	\$ 1,160,092.00	
9. <input style="width: 95%;" type="text"/>				0.00	
10. <input style="width: 95%;" type="text"/>				0.00	
11. <input style="width: 95%;" type="text"/>				0.00	
12. TOTAL (sum of lines 8-11)	\$ 417,136.00	\$ 0.00	\$ 742,956.00	\$ 1,160,092.00	
SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 1,693,618.00	\$ 540,000.00	\$ 400,000.00	\$ 400,000.00	\$ 353,618.00
14. Non-Federal	\$ 425,752.00	120,000.00	100,000.00	100,000.00	105,752.00
15. TOTAL (sum of lines 13 and 14)	\$ 2,119,370.00	\$ 660,000.00	\$ 500,000.00	\$ 500,000.00	\$ 459,370.00
SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)				
	(b) First	(c) Second	(d) Third	(e) Fourth	
16. <input style="width: 95%;" type="text" value="Broadband Technology Opportunity Program"/>	\$ 1,693,618.00	\$ 1,386,487.00	\$ 1,381,770.00	\$	
17. <input style="width: 95%;" type="text"/>					
18. <input style="width: 95%;" type="text"/>					
19. <input style="width: 95%;" type="text"/>					
20. TOTAL (sum of lines 16 - 19)	\$ 1,693,618.00	\$ 1,386,487.00	\$ 1,381,770.00	\$ 0.00	
SECTION F - OTHER BUDGET INFORMATION					
21. Direct Charges: <input style="width: 95%;" type="text" value="4,875,101"/>	22. Indirect Charges: <input style="width: 95%;" type="text" value="746,865"/>				
23. Remarks: <input style="width: 95%;" type="text"/>					

Title: Equipping West Virginia's Fire and Rescue Squads with Technology and Training to Serve Communities

I. Executive Summary

BARRIERS TO BROADBAND ADOPTION

Broadband is available to an estimated 77% of households in West Virginia, but is underutilized. The state's 40% broadband subscription rate is significantly lower than the national subscription rate of 63% due to barriers including a low income, lack of household computers, and a perceived lack of usefulness for both computers and broadband. As one Fire Chief noted during a Future Generations survey: "I don't even know how to turn the thing on, much less how it can help me or my squad."

VOLUNTEER FIRE AND RESCUE SQUADS TO PROMOTE BROADBAND

This proposal offers a community-based solution to stimulate broadband adoption among low-income and predominantly rural communities across West Virginia. It will create a culture of use by extending computer access and relevant broadband training through West Virginia's most widespread de facto community centers—volunteer fire and emergency rescue stations.

These anchor institutions number 445 and are in nearly every community. They not only act as a social service network, but are life-links for West Virginia's families and make logical centers for broadband learning and extension.

This proposal focuses on volunteer fire and rescue squads because: 1) they are the state's de-facto community centers; 2) 48% are already subscribed to broadband, but don't have the equipment and skills to put it to use; 3) 52% have accessible space for computers and training available to the public; 4) they have active volunteers who will provide the critical peer-to-peer support networks to stimulate and sustain the use of broadband in the home; and 5) these organizations have their own immediate computer and training needs, especially as certification becomes more professionalized and places more demand on volunteers.

A STATEWIDE EXTENSION STRATEGY

In year one, this proposal will begin with 30 fire and rescue stations that already have access to broadband. Letters of Collaboration from 24 squads in 11 low-income counties and an African-American minority population center have already been voted on and signed. In years two and three, an additional 30 volunteer fire and rescue squads will be invited to participate in available training programs and to take advantage of a computer equipment stipend that can be used to purchase low-cost refurbished computers. The computers to be refurbished will be provided by

Mission WV; they will be repaired at the Circleville High School in Pendleton County and by a small disadvantaged business in Charleston.

In each site, the volunteer fire and emergency rescue stations will be equipped with 11 computer stations as well as a projector and screen, printer/scanner, and web camera/ microphone to enable real-time audio/video communication. Each volunteer fire and rescue squad agrees to: make their facilities available to the general public for a minimum of ten hours per week, select a local person to be trained as a computer mentor, and host training programs.

RELEVANT TRAINING AND PARTNERSHIPS

With broadband access, the educational options for rural communities expand. By engaging volunteer fire and rescue squads, this project creates new “community access points” for educational organizations and state training programs. Partner organizations, including state agencies, community and technical colleges, a major university, non-profit organizations, and online providers, have joined this project as instructors and online curriculum providers.

The package of curriculum includes: 1) digital literacy classes offered two nights a week by local computer mentors trained by this project, 2) a disaster preparedness course provided by the John Hopkins Public Health Preparedness Programs, 3) online computer mapping offered by the Monongahela National Forest, 4) health and wellness and substance abuse training for families offered by the Partnership of African American Churches, 5) an e-commerce academy offered by Mission WV, 6) an online career readiness course provided by KeyTrain as well as linkages with the state’s Workforce Investment Boards, and 7) an annual one-time stipend of \$1,000 that allows fire and rescue squads to enroll their members in the online courses of their choice offered by local community and technical colleges through Ed2go.com.

MARKETING AND PROMOTION STRATEGY

A parallel promotion strategy will include: 1) peer-to-peer outreach as news about the new broadband computer access and training spreads from home to home, 2) quarterly newspaper and radio ads announcing the new service, 3) aluminum signs on every participating fire station, 4) outreach to encourage participation among other local groups, and 5) a social networking and support website, www.futurewv.org.

COST-BENEFITS

This project uses conservative projections to estimate that of the number of people trained (at an estimated 268 people per site per year), 29% will become new household subscribers and 5% will become new business subscribers. With a budget of \$5,621,966, the cost per subscription will be \$517; the cost per person trained will be: \$150. Greater numbers will be reached through general use of the centers, advertising, and community outreach. The project’s research director will

conduct baseline surveys, monitor use, and conduct a final evaluation to provide evidence of impact.

ORGANIZATIONAL READINESS

The Future Generations Graduate School specializes in community-based approaches to major social challenges and has an impressive track record managing complex international and educational programs that rely on broadband. The organization also has deep roots in WV. A sign of organizational readiness is evidence of the 24 local partners as well as instructors, businesses, and state agencies that have enthusiastically committed to this project.

SUSTAINABILITY

Sustainability will be achieved largely through the volunteer efforts of fire and rescue squads as their members and the communities they serve become enthused and empowered by the expanding opportunities of broadband.

II. Project Purpose

The challenge with broadband in West Virginia, as stated by Governor Joe Manchin, is that “While we provide the ability to access the Internet, we must encourage more West Virginians to use it...”^{*1} This project stimulates the use of broadband by engaging the state’s most widespread social network: volunteer fire and emergency rescue squads.

Across West Virginia, broadband is available to an estimated 77% of households,^{*2} but is underutilized. Out of approximately 740,000 households, only 314,072 residential customers actually subscribe to broadband.^{*3} This 40% statewide broadband subscription rate^{*4} is significantly lower than the national subscription rate of 63%.^{*5} Three of the state’s broadband service providers report that subscription rates fall significantly below availability: Frontier with a 44% subscription rate; Verizon with a 25% subscription rate; and Spruce Knob Seneca Rocks with a 12.5 % subscription rate.^{*6}

This project targets all the major barriers to broadband adoption: low-income, computer access, lack of basic skills, uncertainty of broadband’s usefulness, and lack of peer-support. The Pew Research Center indicates that home adoption rates are stagnant among poor households: 82% of non-Internet users reported incomes of \$40,000 a year or less.^{*7} Most income levels in West Virginia fall into this category, with statewide incomes averaging only \$37,057.^{*8} Also, 41% of West Virginian households do not have computers and as a result lack equipment to access the Internet and also lack computer and Internet skills.^{*9}

The target population also lacks awareness of broadband’s benefits. Although participating fire and rescue squads have broadband, they don’t know how to put it to full use. ^{*10} One national survey indicated that 62 percent of respondents did not own a computer because either: 1) they didn’t believe they needed one; or 2) didn’t

know if they needed one. Forty-four percent of respondents with no home broadband connection didn't believe they needed broadband. *11 A final major barrier is that existing public computer access facilities, notably libraries, do not offer the necessary peer-support and social structures to stimulate widespread enthusiasm for broadband and its many uses.

A COMPREHENSIVE REGIONAL STRATEGY AND OUTCOMES

This project offers a comprehensive set of solutions to meet West Virginia's predominantly rural and volunteer-oriented culture. This project reinforces three of BTOP's purposes (#3-5): computers, training, and stimulating demand through participation of the state's number one community anchor institutions: volunteer fire and emergency rescue squads.

Project Outcomes:

- 1) Increase computer access in West Virginia's low-income counties (beginning in Year One with 11 counties: Boone, Braxton, Fayette, Gilmer, Grant, Hardy, McDowell, Mingo, Pendleton, Pocahontas, and Wyoming) as well as an African-American population center in Rand (Kanawha County), by equipping the facilities of 30 volunteer fire and rescue squads with computers for public use to take advantage of already available broadband services.
- 2) In years two and three, expand to 30 more sites across WV, reducing the cost of expansion through the use of computers refurbished by this project.
- 3) Refurbish 1670 computers (made available by Mission WV) at two repair centers while also supporting two small computer repair businesses. Fire and rescue squads will sell these computers to assist in their own broadband outreach and fundraising efforts.
- 4) Partner with state agencies including the WV Office of Literacy and Workforce Investment Councils, as well as John Hopkins Public Health Preparedness Programs, Mission West Virginia, Partnership of African American Churches, Monongahela National Forest, and Community and Technical Colleges to provide training programs for public safety organizations and the communities they serve in such topics as: digital literacy, disaster preparedness, online mapping, family health, and career readiness.
- 5) Provide continuing support for digital literacy by training local computer mentors (one per site) to hold computer classes two-nights a week.
- 6) Over three years, train an estimated 37,520 people across the state through curriculum that uses the Internet and hands-on skills training to make broadband relevant to families and public safety organizations.

PUBLIC SAFETY ORGANIZATIONS AS A STATEWIDE LEADER IN USING AND PROMOTING BROADBAND

This proposal focuses on volunteer fire and rescue squads because: 1) they are the state's de-facto community centers; 2) 48% are already subscribed to broadband, but don't have the equipment and skills to put it to use *10; 3) 52% have accessible space for computers and training available to the public *11; 4) they have active volunteers who will provide the critical peer-to-peer support networks to stimulate and sustain the use of broadband; and 5) these organizations have their own immediate computer and training needs, especially as certification and training becomes more professionalized and requires more volunteer time.*12

These facilities are also more advantageous than libraries, because: 1) In WV, there are 445 fire and rescue squad facilities compared to 173 libraries; 2) Of 37 of 43 libraries surveyed by Future Generations in the project's year-one target counties, only 3 have training space, only 6 offer training programs involving computers, and 86% have fewer than 10 computers available for use; and 3) libraries are more formal and "quiet" settings for learning that are more likely to intimidate non-computer users than emergency fire and rescue squad buildings, which are the primary social gathering place.*13

* Footnotes: Available as an attachment in the "Supplemental Information" section

III. Leveraging Government Funds and Support

I. Leveraging Infrastructure with Computer Access and Training

West Virginia's Department of Commerce is rapidly deploying broadband infrastructure to cover all of the state's schools, public safety organizations, and libraries and expects to invest millions over the next three years through a parallel infrastructure proposal. Other broadband service providers, including Spruce Knob and Seneca Rocks Telephone, are planning large infrastructure projects that make broadband available across two counties targeted by this proposal (Pendleton and Pocahontas). The West Virginia State Office of EMS requires that all rescue squads, beginning October 2009, begin submitting their ambulance run sheets electronically and has thus spurred many fire and rescue squads to become broadband subscribers. This project links these major infrastructure projects and fills a critical gap: providing public safety organizations with computers and training to put broadband to greatest use for the benefit of families.

II. Enabling Government Agencies to Reach 60 Communities across the state with their Training Programs and Online Resources

This proposal links government services with community training and outreach. Training and outreach partnerships have been established with two of West Virginia's Workforce Investment Boards, which have received more than \$750,000

in recovery act funds; two of West Virginia's Regional Education Service Agencies, which are interested in linking and delivering their Adult Basic Education classes through this project's broadband learning centers; the West Virginia Office of Literacy, which values this project's broadband training as "another avenue for improving literacy skills and thus the employability of West Virginia's citizens;" Mission WV, a grantee of the Appalachian Regional Commission with experience in running computer classes for the state's disadvantaged; the West Virginia State Fire Marshall's Office, which believes it may also "be able to increase its training and outreach through this proposal;" the Monongahela National Forest, which will offer an introduction to online mapping resources; and the West Virginia Council of Churches, which has offered to "inform its network of faith-based members of upcoming training programs offered by this project through the volunteer fire and emergency rescue squads."

As statewide awareness of the program grows, more innovative collaborations are anticipated with other agencies, such as the State Office of Weatherization, which has a range of training materials to encourage the energy efficiency of homes, and West Virginia's agricultural extension services, such as the extension service in Pendleton County, which has already begun to strengthen the farm economy through niche produce and online marketing as well as telephone auctions of cattle, which could also be done online.

IV. Enhancing Broadband Service for Public Safety Organizations

This proposal enhances the training and continuing education options for 60 of West Virginia's fire and emergency rescue squads and the communities they serve.

With access to up to 11 computer stations connected to broadband, each squad will have a locally trained computer mentor who offers weekly classes in computer literacy (one for beginners and one for intermediate/advanced). In addition, these organizations will be invited to participate in core training programs that integrate the use of broadband with hands-on skills training. Courses include:

I. Collaborative Emergency Preparedness Training-Disaster Mental Health: In every community, first responders, clergy and laity provide support and comfort to people coping with life crises. The Johns Hopkins Public Health Preparedness Programs, with leadership from Dr. Henry Taylor (former WV Health Commissioner) will train fire and rescue squad volunteers and faith communities to respond better and work more effectively with governmental agencies. Participants will learn the Hopkins Model of RAPID-Psychological First Aid™ and practice self and family care with an emphasis on those with special needs. The second day explains disaster-planning principles so everyone will leave with a family preparedness plan. Participants will begin to plan how their community could develop an "incident command system" to better coordinate their actions. By year two, this program will shift to a "train the

facilitator” approach and make interactive materials, including instructional videos, available online.

II. Introduction to Online Mapping: Sam Lammie the GIS Program Manager of the Monongahela National Forest will train computer mentors in how to access and use free online mapping resources, with a focus on the many applications of Google Earth. Computer mentors will then extend training to the fire and rescue squads.

III. Community Health, Wellness and Substance Abuse: The WV Partnership of African American Churches offers four core training programs to build capacity among communities and families to improve health and address substance abuse in the home and to support individuals with chronic disease. These programs will bring forward online resources and support networks in addition to building local support networks.

IV. Workforce and Career Readiness Training: Online continuing education will be available online through KeyTrain, a career readiness and aptitude program, as well as through WV’s network of community and technical colleges, which offer online courses through www.Ed2Go. A one-time stipend will be made available to each squad to enroll their members in such programs. In addition, letters of support from community and technical colleges indicate that this proposal will help them extend their own outreach services into previously unreached communities. Mission WV will also offer an E-Commerce Academy for small businesses.

V. Small Disadvantaged Business Involvement

This project will subcontract with TLTEK, LLC, a SBA 8(a) & SDB-certified West Virginia-based Network Systems design and implementation firm founded in February 1997 by Tim Taylor. The subcontract with TLTEK will include: 1) the purchase of 330 new Dell computers for year one of the project, and 2) the repair of 835 computers through this project’s computer repair program. Mission West Virginia will make its warehouse repair facility available to TLTEK as an in-kind contribution.

A second subcontract will be with Lighted Signs Direct d/b/a SIGNS by Saenz, a SBA certified 8(a) woman owned company, which will provide 60 outdoor aluminum signs for each participating fire and rescue squad to promote their broadband and training services.

A third subcontract will be with Integrated Resources Incorporated, which does not qualify as a SBA8(a), but is still a small business providing employment opportunities for 240 mentally and/or physically challenged individuals. It has agreed to customize low-cost mobile and lockable computer desks for this project.

To the extent possible, subcontracts will be made with other SBA 8(a) & SDB-certified businesses.

VI. Innovative Approach to Sustainable Broadband Adoption

By engaging the state's number one social network, volunteer emergency and rescue squads, this project promotes a culture of broadband use. Key innovations include:

I. Stimulating Broadband through Community-based Social Networks and Peer Support

Just as virtual sites like Facebook stimulate daily use of the Internet, this proposal stimulates use among non-computer users through community peer support. This proposal engages the leaders and women's auxiliaries who run volunteer fire and rescue squads as users and promoters of broadband. These groups are the primary stimulators of "table talk" and will spread news about the use of broadband in their facilities. Also, these facilities are actively used as community centers for weekly bingo, receptions, dances, youth activities, and training, thus providing a social setting to promote broadband. Training through these less-formal social settings will also reduce the "fear factor" and the acceptability of learning a new technology.

II. Linking the Needs of Public Safety Organizations with the Communities They Serve:

This proposal expands community coverage and strengthens the role of public safety organizations. It enables fire and rescue squads to: 1) add broadband computer access and training as a community service, 2) increase their pool of volunteers by bringing new people into their facilities, 3) increase their fundraising potential, and 4) increase their services as a life-link for families by providing relevant broadband training.

III. Scaling Up Broadband through Low-Cost Refurbished Computers:

In years two and three of this project, statewide extension from 30 to 60 sites will occur at a lower cost through the use of refurbished computers and open source software. Two computer repair centers will provide low-cost refurbished computers to extension sites. Volunteer public safety organizations will be able to sell extra computers as part of their own fundraising and broadband promotion efforts.

IV. Pioneering a New Approach to Relevant Broadband Education:

The training courses use a new approach to "electronic experiential education;" they integrate online and self-paced learning with hands-on skills development. Communities will also select their own course topics from a wide range of available

curriculum. This will help to sustain interest in broadband by making it locally relevant.

This project uses conservative estimates to project increases in household broadband adoption. Based on an estimate of training 37,520 people over three years (min of 268 users per site per year), the project estimates that access to peer-support, training, and low-cost computers will encourage 29% of these or 10,881 people to become new broadband subscribers. With a budget of \$5.6 million, the cost per new subscriber will be \$517. The project's research director will conduct baseline and evaluation surveys to accurately measure impact.

VII. Qualifications of Instructors

Over three years, this project employs the full-time equivalent (FTE) of 27 local computer mentors (FTE at annual estimated salary of \$27,000) and an additional 3.5 FTE specialized instructors (FTE at an annual estimated salary of \$40,000).

A total of 60 local computer mentors will receive an annual stipend to provide training in basic and advanced digital literacy. These mentors will be selected from among the participating communities. They will be trained Future Generations and Mission West Virginia instructors, including Damian Christey (Technology Manager), David Rogers (Deputy Director), Tim Elliot and Matt Delong. This instructional team has the combined experience of developing digital literacy curriculum and coordinating training efforts for 52 local computer learning centers, managing computer labs at West Virginia University, administering networks and servers, as well as designing websites. This same team will also provide instruction for this project's E-Commerce Academy.

The Johns Hopkins Public Health Preparedness Programs will offer training in Collaborative Emergency Preparedness; Dr. Henry Taylor will lead the training with assistance from a to-be-determined Hopkins Ph.D. candidate. Dr. Taylor brings seven years as West Virginia's State Health Officer and Public Health Commissioner to this project and as an MD (Doctor of Medicine) from Harvard and a Master's in Public Health from Johns Hopkins University.

Sam Lammie, the GIS Program Manager for the Monongahela National Forest, will instruct a course in Introduction to Online Mapping. Sam is a professional Geographer with over 15 years experience in geospatial technologies, has an MA in GIS, and has organized numerous training sessions in the use of GPS units and the use of GIS.

Community Health, Wellness, and Substance Abuse Training: Edna Green of the Partnership of African American Churches is community health specialist with more than 9 years of experience in training health and wellness coordinators across 17 churches. Wendy Lewis is a National Substance Abuse Prevention Specialist Facilitator trained through the U.S. Department of Health and Human Services Center for Substance Abuse Prevention.

See Management CVs for more details on instructors.

VIII. Organizational Readiness

The Future Generations Graduate School (2003) and its parent/partner organization Future Generations (1992) have successfully managed numerous large projects that engage communities and governments in creating statewide community change in complex international settings. Two recent examples include:

- A one-year (2007-2008) United States Agency for International Development (USAID) subcontract in Afghanistan that established 933 mosque- and home-based literacy classes for 25,000 women and girls in Ghazni, a highly insecure province
- A four-year \$1.25 million (2005-2009) USAID Child Survival Health Grant that trained more than 700 Peruvians as community health workers and built capacity among 28 rural health facilities in 17 districts in Cusco

The Future Generations Graduate School is well positioned to provide leadership in a statewide community-based broadband extension program. Not only has the Dean and Project Director of this proposal, Dr. Thomas Acker, implemented a WV computer training program for teachers, but he leads the Graduate School in a new approach to higher education that has trained students from 22 countries through interactive online learning and hands-on skills training. Future Generations brings its extensive educational and community mobilization experience to bear on the challenges of broadband adoption in West Virginia. In addition, Future Generations has a staff experienced in technology management, research, communications, and community mobilization and a Board with representation from the Carnegie Corporation, Goldman Sachs, Battelle Corporation, Gear Holdings, and Ford and Kellogg Foundations.

The local enthusiasm for this project is unparalleled. Already, 24 fire and rescue squads have signed Letters of Collaboration and are eager to play a role in broadband extension and to commit additional volunteer hours to this program.

The instructors have already developed and piloted their training programs. Mission WV has significant experience in training 52 communities in digital literacy and e-commerce. The Johns Hopkins Public Health Preparedness Programs have extensive experience training local health departments, faith communities, and other groups in disaster preparedness. The Partnership of African American Churches has dedicated two master trainers to provide instruction in such topics as health and wellness, and substance abuse, both key for ensuring a health workforce. Also, numerous state agencies, career centers, workforce investment boards, and organizations are standing by to provide technical, training, and networking support.

Perhaps more than any other organization in the state, Future Generations extensive international community development experience prepares it for the unique challenges of engaging communities in their own self-development, of which broadband access and use is an essential core component for meeting the needs of WV families in this increasingly globalized world.

IX. Awareness Campaign Methods

Method One: Spread access, skills, and enthusiasm for broadband across West Virginia's low-income counties through the peer-to-peer social networks of volunteer fire and rescue squads, targeting a cross-section of adults and retirees as well as the high-school students who volunteer with these squads and youth and adults from the community who do not have access to computers and broadband at home. Computer access and training made available through these squads will directly train an estimated 268 people per site per year; of these, this project estimates that 29 percent will become new broadband subscribers; the total new home subscriptions is projected to be a minimum of 10,881.

Method Two: Signage and local advertising of broadband computer access and available training programs. To support volunteer fire and rescue squads in advertising their new services and training programs, this project will purchase road-front and building signs for each squad building. In addition, each squad will have funds to advertise through their local newspapers and radio stations. The logo and marketing slogan for these signs and advertising will be developed following the baseline survey of this project in order to develop an effective and locally-specific marketing campaign.

Method Three: The volunteer fire and rescue squad facilities will be public spaces for other community groups that need access to computers with broadband for group training purposes, such as 4-H extension services, farm bureaus, non-profit organizations, churches local businesses, and senior citizens groups. A list of groups will be identified in each site and invited to the fire and rescue squad for an annual community orientation and presentation about how to participate in the project and use the available space. The WV Council of Churches, with an extensive statewide network of 18 member denominations, has also offered to advertise this project's broadband and training services.

Method Four: To facilitate networking among all of the participating communities and training providers, this project will establish a statewide social networking website (www.futurewv.org) to serve as a resource hub, encourage networking and exchange among public safety organizations, and advertise training opportunities.

X. Measuring Awareness Campaign Impact

Future Generations Marketing and Research Director, Vic Arrington, will organize baseline and final surveys to evaluate increases in home and business broadband adoption rates, provide more data and evidence on statewide barriers to adoption

and work with project team members to adjust training and marketing efforts accordingly, as well as work with the project's 60 fire and emergency rescue squads to deploy broadband marketing plans across their counties.

Key indicators of program effectiveness will include such data as:

- level of demand for keeping fire and rescue squad computer facilities open beyond the ten-hour weekly minimum;
- number of volunteers who commit time to the project and the amount of time they commit
- number of users, both individuals and groups
- number of training program participants
- number of people purchasing refurbished computers from the project
- number of community-based groups using the facilities
- number of new state and local agencies and organizations providing relevant broadband training above and beyond partners identified for this proposal
- number of new household subscribers
- number of new small business websites started as well as number of new business broadband subscribers
- a baseline and final evaluation of participant knowledge and use of broadband, extending Future Generations survey of fire and rescue stations to community-wide household surveys

The Marketing and Research Director will be supported in data collection and monitoring by volunteer squad members, local computer mentors, and the project's deputy directors and logistics coordinator.

The Future Generations Graduate School has a solid track record in rigorous research and documentation, as already evidenced in this project through two surveys of broadband access and usage among both libraries and volunteer fire and rescue squads (see Supplemental Attachment for fire and rescue squad survey analysis).

XI. List all Key Partners of the Project

I. VOLUNTEER FIRE AND EMERGENCY RESCUE SQUADS

To date, 24 Volunteer Fire and Emergency Rescue Squads have voted on and approved Letters of Collaboration. Two additional squads are interested and waiting for a squad vote.

1. Anawalt VFD, Aaron Chapman, 304-383-2400
2. Bartow-Frank-Durbin VFD, Janet Ghigo, 304-456-4893, janetgo@frontiernet.net
3. Berwind VFD, Claude Adams, 304-875-2526
4. Cass VFD, Christine Rebinski, 304-456-3244, jcrebinski@frontiernet.net
5. Circleville VFD, Carl L. Warner, 304-567-2440
6. Flatwoods VFD, Donald Conrad, 304-765-7044
7. Franklin VFD, Charles Sisson, 304-358-7994, admin@fvfdcompany2.com
8. Gary VFD, Robert Little, 304-448-2209
9. Gilmer VFD, Charlie Campbell, 304-462-4266
10. Madison Fire and Rescue, Anthony Carrico, 304-369-1021
11. Matewan VFDMingo, Kenneth Cox, 304-426-4092
12. Mathias Baker VFD, Richard Hamilton, 304-897-5586, rhamilton@hardynet.com
13. Maysville VFD, Larry Wratchford, Jr., 304-749-7731
14. Meadow Bridge VFD, Charles Wade, 304-484-7117, mbvfd4@verizon.net
15. Morrisvale VFD, Douglas Estep, 304-524-2122
16. Mullens VFD, Earl Mongeni, 304-294-661, emongeni@bjwprinting.com
17. Rand VFD, Bill White, 304-415-8120
18. South Fork VFD, Roy Bowers, 304-249-5232
19. Upper Laurel Fire & Ambulance, Darren Stapleton, 304-294-4402
20. Upper Tract VFD, Mike Alt, 304-358-2939
21. Wharton-Barrett VFD, Aaron Dickerson, 304-247-6586
22. Williamson FD , Jerry Mounts, 304-235-5273, wfdchief@verizon.net
23. Cora Volunteer Fire and Emergency Rescue Squad, George Hill 304-239-3311
24. Moorefield, Doug Mongold, 304-530-2928

In Years Two and Three, an additional 30 of the state's 445 fire and emergency rescue squads will be invited to participate in this program (20 in year 2 and 10 in year 3).

II. GOVERNMENT AGENCIES AND SUPPORT ORGANIZATIONS

1. West Virginia State Fire Marshall, Sterling Lewis Jr, 304.558.2191
2. West Virginia Council of Churches, Dennis Sparks and Cheryl Ingraham, Ph.304.344.3141, cheryli@wvcc.org
3. Eastern WV Community and Technical College, Amy Crites, Ph.304.434.8000, ext.231, acrites@eastern.wvnet.edu
4. Calhoun-Gilmer Career Center, Bryan Sterns, Ph.304.354.6151
5. Literacy WV, Judith Azulay, Ph.304.832.6331, judyaz@hughes.net
6. Regional Education Service Agency VIII, Beverly Baccala, Ph.304.267.3595
7. Workforce Investment Board Region VII, T.J. VanMeter, Ph.304.257.2448, tjvanmeter@wvregion7wib.org
8. Workforce Investment Board Region I, Melissa Aguilar, Ph.304.253.3611, maguilar@r1workforcewv.org

III. CURRICULUM PROVIDERS AND INSTRUCTORS

1. Johns Hopkins Public Health Preparedness Programs: Dr. Henry Taylor, Ph. 304.610.1139, hgtaylor@jhsph.edu
2. Mission West Virginia: David Rogers, Ph. 304.634.3449, drogers@missionwv.org
3. KeyTrain Career Readiness: Stan Brodka, Ph. 423.266.2244, info@keytrain.com
4. Partnership of African American Churches: James Patterson, Ph. 304-768-7688, patterson@paac2.org
5. Monongahela National Forest: United States Forest Service: Sam Lammie, Ph. 304.636.1800, ext.207, slammie@fs.fed.us

XII. List any partnerships with Disadvantaged Businesses

Formal SBA Certified 8(a) Business Partnerships:

1. TLTEK, LLC, 116 Smith Street, Charleston, WV 25301; 304-340-7070; Tim Taylor, President. This is a SBA 8(a) & SDB-certified West Virginia-based Network Systems design and implementation firm.

2. Lighted Signs Direct d/b/a SIGNS by Saenz, 5795G Burke Centre Pkway, Burke, VA 22015; 1-877-777-5734; Ruth Saenz, President; a SBA certified 8(a) woman owned company, which will provide 60 outdoor aluminum signs for participating squads to promote broadband/training services.

XIII. Proposed Technical and Operational Solutions and How they are Innovative and Replicable

This proposal uses a community-based approach to stimulate broadband adoption among low-income and predominantly rural WV communities. Five major operational phases can be adapted by others to serve unique target populations.

PHASE ONE: Identify the most successful community anchor institutions that serve as community centers and have deep penetration into homes and allow them to take ownership of the project

Operationally, volunteer fire and rescue squads are ideal local partners. Of the 445 volunteer fire and rescue squads in WV, 60 will be invited to participate in this project (24 letters have been signed of the 30 year 1 sites). For the 30 sites in years 2 and 3, invitations will be sent to squads in WV's poorest counties and sites selected based on broadband access, adoption potential, and volunteer support.

This project maximizes local ownership encouraging fire and rescue volunteers to make the project work for their organizations and communities. For this reason, this project allows flexibility. In managing their Broadband Learning Centers, each squad determines:

- Schedules for public access based on a ten-hour weekly minimum
- Who will be trained as the local computer mentor
- What training programs to host from among the wide-ranging curriculum
- Who will benefit from the \$1,000 stipend for online courses
- Where to place their learning centers if they don't believe they have adequate facilities (see Letter from Anwalt VFD, which chose to partner with their Town)

This promotional strategy encourages community networking. Squads will advertise their training and opening their facilities to other local groups. They may even choose to create a "broadband for public safety and community service" committee to coordinate outreach.

PHASE TWO: Provide stimulus in terms of computer equipment and access

Future Generations will equip 60 squads with Broadband Learning Centers that include 11 computers and desks, networking equipment, printer / scanner, a digital projector, and web camera / microphone to enable real-time audio/video communication between students and instructors. In year one, to avoid delays, computers will be purchased from a WV supplier of new Dell Computers. In years 2 and 3, we will use computers refurbished through this project's computer repair centers.

In year one, we will provide installation and technical support. In year two, squads will be asked to provide more volunteer time for installation and setup with the guidance of technical staff. Computer maintenance will be provided through the in-kind labor of computer students from local highschoools and colleges. Desks will be mobile and lockable to adjust to the often multi-functional uses of fire and rescue stations.

Computers will be loaded with Open Source Software and a Linux operating system, extensively used by governments universities, and corporations. This software solution has numerous advantages as it is:

- Less resource intensive and runs smoothly even on older hardware
- Easier to secure for a classroom environment and does not require expensive anti-virus software
- Freely available, not dependent on regular expensive upgrades, fully functional and compatible with PC and Mac Office software
- A way to promote broadband because, unlike off-the-shelf software, it is often available only by high-speed download

Although this approach goes against the norm, it helps West Virginians prepare for the jobs of the future. The current trend in software is toward "cloud computing," a move toward Internet-hosted software. As more of the programs we use everyday move online, operating systems matter less.

Digital literacy classes will use free web-based applications such as Google Docs wherever possible and will emphasize a fundamentals-based teaching approach, so that skills are transferable to the popular software of today such as Microsoft Office, as well as the software of tomorrow.

PHASE THREE: Partner with government agencies, curriculum providers, and trainers to provide training that makes broadband useful and relevant

This project formally engages 5 curriculum providers, but also reaches out to state agencies, career and workforce centers, and organizations seeking to reach underserved communities. An annual staff and partners meeting will coordinate an integrated and diverse curriculum package that blends online with hands-on learning opportunities to increase the relevance of broadband.

PHASE FOUR: Ensure sustainability through volunteer orientation and income-generating opportunities

A training goal is to build local capacity and self-sufficiency. Activities will include:

- Training local computer mentors for weekly digital literacy classes. Mentors will form a statewide peer network, offering online local computer help and classes through futurewv.org
- Establishing two computer repair centers, which will refurbish 1670 computers. Used computers will be bought from Mission WV for \$40, repaired for \$100 by two subcontractors, loaded with Linux and Opensource software, and made available to squads and the public for \$200 or less. Also, computers will be used for setting up the broadband learning centers for the 30 squads in years 2 and 3.

PHASE FIVE: Identify and monitor key indicators to measure program effectiveness

Making decisions based on local evidence is key to the success of this program. The project's Marketing and Research Director, as described in other sections of this proposal, will help ensure effective data-based decision making to keep the project on track.

XIII. Detailed Implementation Plan

YEAR ONE

QUARTER ONE

I. Staff and Partner Training: Milestone: An Integrated Curriculum

II. Community Orientation #1: 1) Finalize remaining 6 of 30 Year 1 agreements
2) Orient community. Milestones: 1) 30 cooperating agreements 2) Community orientation 75% complete

III. Website Development. Develop futurewv.org for courses and peer network and make open to public.

Challenges: This quarter may pose weather challenges for orientations; if so, they will be integrated into a more comprehensive orientation in quarter two.

QUARTER TWO

I. Equip Sites: 1) Purchase, prepare, and deliver equipment 2) Engage subcontracts to prepare facilities 3) Install and network computers. Milestones: Up to 11 computers installed in 30 squads.

II. Community Orientation #2: 1) Communities nominate computer mentors. 2) Set hours of operation. Milestones: 1. 30 mentors selected 2. 30 Broadband Learning Centers open to the public 10 hours/week

III. Mentor Training: Host training of computer mentors. Milestones: 30 mentors prepared to assist with digital literacy classes.

IV. Research: 1) Develop survey methods 2) Conduct baselines of broadband usage. 3) Provide mentors with monitoring tools. Milestones: 1) 50% of baselines completed (the remainder completed in QTR3.2) A system in place for monitoring the use of sites.

Challenges: This quarter may be hampered by delays in government payment schedule. Community enthusiasm will be dampened if the set-up of their sites is delayed. Plan to avoid delay involves QTR 1 preparations to insure available funds and local teams of subcontractors and volunteers to setup sites. Baseline surveys may be difficult without cooperation of broadband providers, in which case household surveys will suffice.

QUARTER THREE

I. Select Sites for Years 2 and 3: 1) Invite fire and rescue squads to join. 2) Select sites based on broadband access, adoption rate, need, and interest. Milestones: 30 Cooperation Agreements Finalized for Years 2 and 3

II. Training Programs: 1) Coordinate with trainers and government to offer classes 2) Computer Mentors provide digital literacy classes two nights a week. 3) Advertise classes. Milestones: 1) Digital literacy and at least two specialized training courses offered in each of 30 sites

III. Set-up of Two Computer Repair Centers: 1) Engage subcontractors (contracts already signed) 2) Prepare space and deliver computers. 3) Develop and finalize resale value and marketing plan. Milestones: 1) computers delivered to repair centers 2) Refurbish 100 computers 3) Pilot resale and marketing plan with goal of selling 3 computers through each squad.

Challenges: 1) Too much or too little local demand for a particular class, in the case of too much demand, training may be regionalized; in the case of too little, more in-demand curriculum will be developed. 2) Squads may find that the public is not interested in buying low-cost used computers, in which case a more creative and broad community marketing campaign will be developed.

QUARTER FOUR

I. Continue Training: At least one more specialized training program offered in each of 30 sites, in addition to weekly digital literacy classes.

II. Computer Refurbishing: Refurbish the needed computers for year 2 facilities.

III. Solicit Feedback: 1) Solicit year 1 public use reports. 3) Solicit feedback from each site through year end mtg. and online discussion. Milestones. 1) Completed analysis of Year 1 public use and activity report. 2) Completed analysis of community feedback.

IV. Year-end Mentor meeting: End of year debriefing and training updates to prepare mentors for the coming year

YEARS 2 AND 3 (Fairly consistent activities for Years 2 and 3)

QUARTER ONE

I. Staff and Partner Meeting: Staff and partners make mid-course corrections based on local feedback.

II. Community Orientation #1: (Follows Year 1 Schedule for 20 new sites in Year 2 and 10 sites in year 3 in addition to follow-up with year 1 sites)

QUARTER TWO

I. Equip Sites: (Follows Year 1 Schedule new sites with the one exception that refurbished computers and more volunteer effort will be used for setting up these sites.)

II. Community Orientation #2: (Follows Year 1 Schedule for new sites)

III. Mentor Training: 1) Host training of computer mentors, divided by region into groups. Mentors from previous years will refresh their skills, learn new technologies, and guide newcomers. Milestones: Mentors prepared to assist with digital literacy classes: 50 in Year 2, and 60 in Year 3.

IV. Research: (Follows Year 1 Schedule for new sites and ongoing monitoring of Year 1 sites)

V. Training Programs: (Ongoing for Year 1 Communities)

QUARTER THREE

I. Training Programs: Begin for 20 new sites (Follows Year 1 Schedule)

II. Computer Repair: 1) Gear up computer repair for the 10 squads participating in year 3. Milestones. Refurbish computers for year 3 sites, finishing the remainder in QTR4. 2) Develop and have in place a sustainable resale and marketing strategy to continue computer repair upon formal completion of grant

III. Sustainability Plans: Sites to develop a sustainability plan for continuing their services upon formal completion of grant.

IV. Research: 1) Baseline surveys and monitoring for year 2 and year 3 sites follows schedule from year 1. 2) By year 3, conduct an evaluation survey of year 1 and year 2 sites.

QUARTER FOUR

- I. Continue Public Training Programs: (Follows Year 1 description)
- II. Solicit Feedback from Participating Communities: (Follows Year 1 description)
- III. Year-end Mentor meeting: Invite mentors back to training sites for debriefing and training updates to prepare for the coming year. Milestone: After Year 3, communities take ownership of mentoring and support programs.
- IV. Final Project Review in Year 3.

IVX. Budget Narrative

6.a. Personnel: The project will require the hiring of a full time staff of 3 and a part time staff of 3. The full time equivalents for the project will be 4.33 with an average salary of \$56,582 (\$245,000/FTE 4.33). This team will include a part time project director, two deputy directors (one part time), technology director, logistics/administrative coordinator, and a part time research director. The team is fully qualified to mobilize local partners, setup and maintain broadband training centers, train qualified computer mentors, and coordinate with curriculum providers to offer relevant training to public safety volunteers and the general public. See CV section.

6.b. Fringe Benefits: 22.5% of salaries; SS, Medicare, unemployment insurance, workmen's comp (statutory rates) and health insurance (10.00%).

6.c. Travel: Staff continually interact with 60 communities on setup, training, and maintenance. Compensation for 12,000 auto miles for a staff of 6 at the Federal rate of \$.505 is \$36,360 annually. Staff will travel 40x per year, ave of 300 miles per trip for community orientation, computer set-up, and on-site training. A \$20 meal allowance for 100 daytime trips has been provided as well as a \$40 meal per diem and \$80 lodging allowance for 120 overnight work schedules, averaging 20 overnights per staff a year. The balance of travel budget will provide bi annual training for staff (4 days) and annual training for mentors (2 days 2x per year) in one location in WV per diem of \$120 per day for meals and lodging. Project directors are given a \$1,000 allowance to attend in-state Fire, Emergency Medical conference programs.

6.d. Equipment: Each fire and rescue station will be equipped with 11 computers, desks, chairs, as well as one printer/scanner and projector, and networking to make use of their existing broadband access. 60 stations will be setup (30 in year one, 20 in year two, and ten in year three). The year 1 setup is projected at \$1,624 per workstation. Computers and software, desks and chairs will be purchased from WV Small Disadvantaged Business. The stations will be open to the public and include occupational and life-skills training. We anticipate 268 individuals will complete some training each year per station, with an average equipment cost of \$23 per person trained over 3 years (\$843,950/37,520). Equipment costs will decline in subsequent years due to the use of refurbished equipment provided by the

program's computer repair component.

To provide ongoing broadband training programs and to support networking among squads, Future Generations will be setting up a broadband video conferencing center at its office for \$11,000.

Two camcorders will be purchased to document and promote broadband volunteers at work and to support the recording of training programs for online distribution.

A laser Xerox printer and binding machine will support the project's management team.

6.e. Supplies: An annual allowance of \$250 per mentor (60 mentors plus 2 instructors) for training supplies to include books, teaching guides, and other. An annual allowance of \$1,000 will be provided per fire station for printer paper and toner.

6.f. Contractual: Each fire station will be staffed with a contract computer mentor. Expected to work 6 hrs per week for 44 weeks, the mentor will provide on site individual and group instruction in computer skills. Contract cost per mentor per year will be \$5,280, an average of \$20 per hour. In addition, volunteers from each squad will keep each facility open for an additional 4 hrs per week as an in-kind contribution, valued at \$10 per hour.

The project has three-year agreements with partners to provide training. Partners include Johns Hopkins University Disaster Preparedness Programs (budgeted at \$120,000 to train 200 people in two workshops and 10 facilitators each training 20 people, cost per person \$300); Partnership of African American Churches (cost of \$140,000 to train min of 1,200 people, cost per person \$117); Monongahela National Forest, which will train 60 computer mentors free of charge; Mission WV (cost of \$120,000 to train min of 1800 people, cost per user \$67); and Keytrain Online Career Readiness (cost of \$30,000 to train min of 600 people cost per user \$50). Above costs include instructors, travel, and materials. In addition to the above formal training programs, each station will be allocated a one-time allowance of \$1,000 to enable their members to enroll in online courses provided by local community and technical colleges through Ed2go.com.

Computer refurbishment services will be provided by Pendleton Computers and TLTEK, LLC to repair 1,700 computers at a cost of \$100 per computer. Used computers will be provided by Mission WV for \$40 per computer.

6.h. Other. Rents: Each squad will make their facilities available to the project. As these spaces typically rent for \$100 a day and as this project requires use for a minimum of 40hrs/8days a month, rent will be conservatively compensated at \$500 a month in year one. It is anticipated approximately 25% of these rental agreements will be returned as in-kind contributions as verified by attached Letters of Collaboration. In year two, the project will expect all participating squads to donate the use of their space, but this is not factored into the budget as an in-kind

contribution. Other rental fees include \$15,312 at \$12 per sq ft to be paid to the Circleville High School Preservation Society for a computer repair facility, of which \$6,312 is donated as in-kind. Mission WV is offering a 1000 sq ft facility with a lease value of \$12,000 for the same purpose as in-kind support.

Advertising: To promote broadband and advertise training, \$200 a year will be allotted to newspaper and radio ads per site per year, and a sub-contract has been entered to purchase aluminum outdoor building signs at \$135 to advertise the facility. Costs for printed flyers to be circulated in communities are also included.

Maintenance: \$2,500 a year allowance for each site. With 11 computers per site, cost is \$228 per computer and \$10 per user annually. Maintenance will be provided in-kind by local high school computer class students and by local community and technical colleges. One letter of in-kind support has been signed. Agreements from high schools and additional colleges are anticipated in the fall based on informal discussions.

Social Networking Website: Hosting cost of \$1,188 per year, rounded to \$1200, for www.futurewv.org to support networking among the fire and rescue squads, mentors, and other users.

Website Development/Maintenance: To develop and maintain a robust www.futurewv.org website, which will also feature secure data entry pages to log volunteer time and track computer repair and sales.

Fiber Optic Line Rental: Future Generations will rent a fiber optic connection from Spruce Knob Seneca Rocks Telephone to support its broadband video conferencing system, which will enable real-time broadband learning and outreach among participating squads throughout the state.

6.j. Indirect Cost Rate: 15.32% based on a negotiated indirect cost rate agreement with the United States Agency of International Development in December 2007.

Matching Fund Note: Q42 to address Matching Funds was not included in the e-application. Details added under Supplemental Uploads section.

XV. Demonstrate the Reasonability of your Budget

6.a. Personnel: Salary levels are based on local norms for the positions described. Several of the personnel anticipated for hire are currently employed and salaries were determined by their current wage rates. Average salaries of the full time personnel for this project are \$46,000.

6.b. Fringe Benefits: 22.5% of salaries is based on the cumulative statutory rates for Social Security, Medicare, West Virginia unemployment insurance, workmen's compensation and a 10% allowance for health care. This would allow an average Blue Cross contract to be purchased for \$6,400, matching our existing Blue Cross contracts.

6.c. Travel: Mileage rate is based on the published IRS guidelines for 2008 of \$.505. Travel per diem in WV is \$125 per day based on Federal Publication 1542. The \$1,000 allowance for an annual in state conference allows for a multi day conference with reasonable mileage and per diem, plus conference fees.

6.d. Equipment: Equipment costs for computers, software, desks and chairs were estimated based on quotes from the West Virginia Small Disadvantaged Business' being considered as vendors for the project. Labor costs for equipment networking, wiring, and installation were based on discussions with local electricians and computer technicians. Estimates for video conferencing system at Future Generations office, the two camcorders, and printer/binder are based on online quotes reviewed by the project's Technology Manager.

6.e. Supplies: Both the \$250 allowance to mentors and \$1,000 allowance for paper, toner, and other computer supplies were estimates based on the anticipated work load and program schedule.

6.f. Contractual: The annual mentor stipend of \$5,280 is based on an hourly rate of \$20 per hour for 264 hours per year. The rate is based on the local norm required to attract and individual qualified to teach others basic computer skills. While about 2.5x the minimum wage the mentor will have to pay his own travel and taxes from the stipend.

The contracts with partners are all based on negotiated rates with those partners. All of these partners provide specific job or skill training desired by the fire and rescue squads and local communities based on a Future Generations survey of training interests.

6.h. Other: Rents: These rates are determined by local norms and are negotiated. The fire stations typically rent their community spaces for \$100 a day. The broadband learning centers will require nearly full-time use of their space, requiring heat and electricity. A conservative estimate places the public use at 10 hours a week, or 5 days a month. The \$500 a month rental agreements are reasonable for year one squad partners, but for sustainability purposes will be phased out beginning in Year 2. Both leases for the computer repair facilities have been negotiated.

Advertising: The \$200 per site for advertisements is an estimate based on placing at least one small ad, once a quarter in the local newspaper or circular. The rate for aluminum signs is based on a formal bid from a small disadvantaged business.

Maintenance: \$2,500 annual allowance per site is based on a qualified technician making a quarterly call per location. This cost, however, will be provided fully in-kind, as demonstrated from a letter of support from the Calhoun-Gilmer Career Center. Other agreements are anticipated once the project commences.

XVI. Demonstrate that the project would not be implemented without federal funds

Future Generations Graduate School does not have the resources available to implement this project in full without federal funding. The School has a budget for FY10 of approximately \$1,300,000, which will be used to fund its current class master's degree students. Students to this program are from impoverished regions around the world and are for the most part impoverished themselves, so the majority of the school's resources are devoted to providing scholarships. Financial statements from prior years will further show our lack of immediate resources to fund this project.

Due to the unique nature of this project, there also does not appear to be an existing private, local, or state funding source. And, the key beneficiaries--West Virginia's volunteer fire and rescue squads--rely on volunteer contributions and fees-for-service and are themselves financially unable to undertake such a project on their own.

Because of the unique nature of this project, we have not sought funding from other private sources, although believe so strongly in the program's benefits that we will commit limited unrestricted annual funds to help cover the 20% match along with in-kind contributions from partner organizations. Without Federal funding, this project would not be possible.

XVII. Demonstrate the Sustainability of Your Project

VOLUNTEER EFFORTS

This proposal targets West Virginia's fire and rescue squads because they are sustained through the volunteer efforts of well-respected community leaders. For this project to succeed, it requires volunteers to make their facilities available to the public for a minimum of ten hours per week. When federal funding is no longer available, the equipment and broadband access will be in place and the volunteer efforts will continue. And, every community will still have a trained local computer mentor to whom they can turn for support.

NETWORKS OF STATE AGENCIES AND ORGANIZATIONS TO PROVIDE ONGOING TRAINING

Numerous government and organizational trainers and curriculum providers are eager to gain access to West Virginia's underserved communities. This project creates an enduring public community space with broadband computer access that

will continue to serve as a venue for local and statewide training programs. It is foreseeable that training opportunities above and beyond those provided by this grant will continue to be made available through networks of state agencies, organizations, and community and technical colleges.

PEER-SUPPORT

Home use and adoption of broadband in West Virginia requires a “behavior change” in the attitude and culture of use. Broadband will move West Virginians from being passive receivers of information to being more active participants in the flow and exchange of information in their lives. Sustaining this shift will require extensive peer-support and to some extent peer-pressure. By educating and encouraging the use of broadband by local community leaders, this level of positive peer-pressure will be achieved. It will create a ripple effect across the larger community that will continue and expand as local people become more sophisticated and creative in their use of the Internet. Also, as more of West Virginia comes online with broadband, we anticipate this model to spread to more fire and rescue squads across the state.

SELF-SUSTAINING NON-PROFIT BUSINESS MODEL

The self-sustaining non-profit business model of this proposal is a computer repair center that will sell low-cost refurbished computers for cost back to the fire and emergency rescue squads, which will be able to sell this equipment as part of their annual fundraisers. This ongoing project will continue to make computers available at a more affordable cost, which will heighten local interest in broadband subscriptions.

In addition, Future Generations will continue to explore other government and private funding opportunities to expand the benefits of this project for the wellbeing of West Virginia’s families.

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

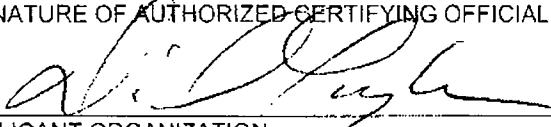
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

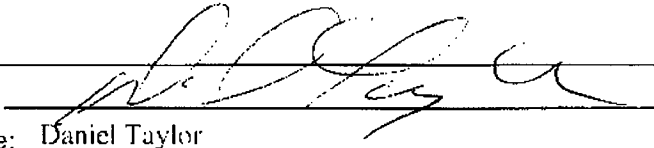
9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a -1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations "
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

* SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL 	* TITLE President
* APPLICANT ORGANIZATION Future Generations Graduate School	* DATE SUBMITTED Aug 12, 2009

DISCLOSURE OF LOBBYING ACTIVITIES

Approved by OMB
0348-0046

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352
(See reverse for public burden disclosure.)

1. Type of Federal Action: a. contract b. grant c. cooperative agreement d. loan e. loan guarantee f. loan insurance	2. Status of Federal Action: a. bid/offer/application b. initial award c. post-award	3. Report Type: a. initial filing b. material change For Material Change Only: year _____ quarter _____ date of last report _____
4. Name and Address of Reporting Entity: <input checked="" type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier _____, if known: Future Generations Graduate School HC 73 Box 100 Franklin WV, 26807 Congressional District, if known: WV2		5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime: Congressional District, if known:
6. Federal Department/Agency: National Telecommunications and Information Administration (NTIA)	7. Federal Program Name/Description: Broadband Technology Opportunities Program, "Sustainable Broadband Adoption" category CFDA Number, if applicable: 11.557	
8. Federal Action Number, if known: 0660-7A28	9. Award Amount, if known: \$	
10. a. Name and Address of Lobbying Registrant (if individual, last name, first name, MI): N/A	b. Individuals Performing Services (including address if different from No. 10a) (last name, first name, MI): N/A	
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the licor ahnce when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	Signature:  Print Name: Daniel Taylor Title: President Telephone No.: (304) 358-2000 Date: 8/9/2009	
Federal Use Only:		Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)

Certification Requirements for BTOP

U.S. Department of Commerce
Broadband Technology Opportunities Program

I certify that I am the duly authorized representative of the applicant organization, and that I have been authorized to submit the attached application on its behalf. A copy of the applicant organization's authorization for me to submit this application as its official representative is on file in the applicant's office, and I am identified as the applicant organization's Authorized Organization Representative (AOR) in the Central Contractor Registration database. By signing this certification, I certify that the statements contained in the application are true, complete, and accurate to the best of my knowledge, and that if an award is made, the applicant organization will comply with all applicable award terms and conditions.

Aug 9, 2009
(Date)


(Authorized Representative's Signature)

Daniel Taylor
Name:
President
Title:

**Future Generations Graduate School
Broadband Community Training Grant Proposal**

	<u>Per Unit</u>	<u>Units</u>	<u>Year 1 Total</u>	<u>Federal Share</u>	<u>Non-Federal Share</u>	<u>Year 2 Total</u>	<u>Federal Share</u>	<u>Non-Federal Share</u>	<u>Year 3 Total</u>	<u>Federal Share</u>	<u>Non-Federal Share</u>	<u>3 Year Total</u>	<u>Federal Share</u>	<u>Non-Federal Share</u>
Computer Refurbishment \$140 per computer labor & parts			46,900	46,900		93,380	93,380		93,520	93,520		233,800	233,800	-
Total Contractual			468,100	389,460	78,640	585,380	470,980	114,400	635,920	498,640	137,280	1,689,400	1,359,080	330,320
Other														
Rent & Utilities - Fire Dept/Comm Year 2 Year 3	6,000	30 50 60	180,000	135,000	45,000		-			-		180,000	135,000	45,000
Rent - Computer Refurbishment Circleville Hurricane			15,312 12,000	9,000 -	6,312 12,000	15,312 12,000	9,000 12,000	6,312 -	15,312 12,000	9,000 12,000	6,312 -	45,936 36,000	27,000 -	18,936 36,000
Adverstising Year 2 Year 3	200	30 50 60	6,000	6,000	-	10,000	10,000	-	12,000	12,000	-	28,000	28,000	-
Signage Year 2 Year 3	135	30 20 10	4,050	4,050		2,700	2,700		1,350	1,350		8,100	8,100	-
Printed Flyers Year 2 Year 3	300	30 50 60	9,000	9,000	-	15,000	15,000	-	18,000	18,000	-	42,000	42,000	-
Maintenance - Year 2 Year 3	2,500	30 50 60	75,000	37,500	37,500	125,000	62,500	62,500	150,000	75,000	75,000	350,000	175,000	175,000
Web Development/Maintenance			20,000	5,000	15,000	5,000	5,000		5,000	5,000		30,000	15,000	15,000
Server Hosting			1,200	1,200		1,200	1,200		1,200	1,200		3,600	3,600	-
Fiber Optic Line Rental			6,000	6,000		6,000	6,000		6,000	6,000		18,000	18,000	-
Total Other			328,562	212,750	115,812	192,212	111,400	80,812	220,862	127,550	93,312	741,636	451,700	289,936
Total Direct Charges			1,837,817	1,468,625	369,192	1,512,997	1,202,295	310,702	1,524,287	1,198,205	326,082	4,875,101	3,869,125	1,005,976
Indirect Costs - 15.32%			281,554	224,993	56,560	231,791	184,192	47,600	233,521	183,565	49,956	746,865	592,750	154,116
Total Program Costs			2,119,371	1,693,618	425,752	1,744,788	1,386,487	358,302	1,757,808	1,381,770	376,038	5,621,966	4,461,875	1,160,092
Matching Funds														
Future Generations				150,740			115,490			95,490		Total 361,720		
Mentor Stipend Waivers				68,640			114,400			137,280		320,320		
Partner Training				10,000			-			-		10,000		
Mission WV				12,000			12,000			12,000		36,000		
Circleville High School Preservation				6,312			6,312			6,312		18,936		
Fire Stations - Waived Rent				45,000			-			-		45,000		
Fire Stations - Waived Equipment Stipend				-			-			-		-		
Equipment Setup - Tech School & Volunteer				39,000			-			-		39,000		
Maintenance - Tech School & Volunteer				37,500			62,500			75,000		175,000		
Total Matching Fund Sources				369,192			310,702			326,082		1,005,976		
Matching Percentage				25%			26%			27%				

**Future Generations Graduate School
Broadband Community Training Grant Proposal**

	<u>Per Unit</u>	<u>Units</u>	<u>Year 1 Total</u>	<u>Federal Share</u>	<u>Non-Federal Share</u>	<u>Year 2 Total</u>	<u>Federal Share</u>	<u>Non-Federal Share</u>	<u>Year 3 Total</u>	<u>Federal Share</u>	<u>Non-Federal Share</u>	<u>3 Year Total</u>	<u>Federal Share</u>	<u>Non-Federal Share</u>
Budget	<u>Operating</u>	<u>Equipment</u>	<u>Total</u>	<u>% by Year</u>										
Year 1	1,462,104	657,266	2,119,371		37.70%									
Year 2	1,514,148	230,640	1,744,788		31.04%									
Year 3	1,642,488	115,320	1,757,808		31.27%									
Total	4,618,740	1,003,226	5,621,966											

	<u>Federal</u>	<u>Non Federal</u>	<u>Total</u>	<u>% Non Federal</u>
Budget				
Year 1	1,693,618	425,752	2,119,371	20.09%
Year 2	1,386,487	358,302	1,744,788	20.54%
Year 3	1,381,770	376,038	1,757,808	21.39%
Total	4,461,875	1,160,092	5,621,966	
	79%	21%		

Program Income	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>
Sale of Computers			
To Outside Parties			
<u>Units</u>			
335 \$ 200.00	67,000		
447 \$ 200.00		89,400	
558 \$ 200.00			111,600
To Stations			
220 \$ 140.00		30,800	
110 \$ 140.00			15,400
Total per Year	<u>67,000</u>	<u>120,200</u>	<u>127,000</u>
Total for Grant			<u>314,200</u>

CERTIFICATION REGARDING LOBBYING

Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, "New Restrictions on Lobbying." The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Commerce determines to award the covered transaction, grant, or cooperative agreement.

LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

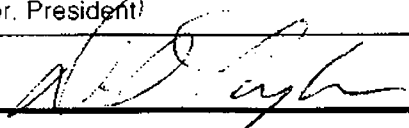
As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

In any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

NAME OF APPLICANT Future Generations Graduate School	AWARD NUMBER AND/OR PROJECT NAME Equipping WV's Fire and Rescue Squads with Tech
PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE Daniel Taylor, President	
SIGNATURE 	DATE August 10, 2009

CERTIFICATION REGARDING LOBBYING LOWER TIER COVERED TRANSACTIONS

Applicants should review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28. "New Restrictions on Lobbying."

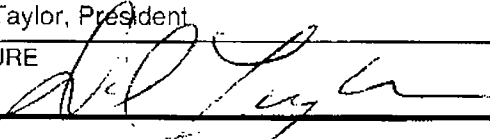
LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28. Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

NAME OF APPLICANT Future Generations Graduate School	AWARD NUMBER AND/OR PROJECT NAME Equipping WV's Fire and Rescue Squads with Tec..
PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE Daniel Taylor, President	
SIGNATURE 	DATE August 9, 2009

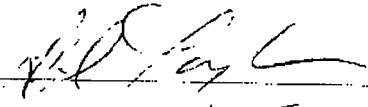
Certifications and Signature

(i) I certify that I am authorized to submit this grant application on behalf of the eligible entity(ies) listed on this application, that I have examined this application, that all of the information and responses in this application, including certifications, and forms submitted, all of which are part of this grant application, are material representations of fact and true and correct to the best of my knowledge, that the entity(ies) that is requesting grant funding pursuant to this application and any subgrantees and subcontractors will comply with the terms, conditions, purposes, and federal requirements of the grant program; that no kickbacks were paid to anyone; and that a false, fictitious, or fraudulent statements or **claims** on this application are grounds for denial or termination of a grant award, and/or possible punishment by a fine or imprisonment as provided in 18 U.S.C. § 1001 and civil violations of the False Claims Act.

(ii) I certify that the entity(ies) I represent have and will comply with all applicable federal, state, and local laws, rules, regulations, ordinances, codes, orders and programmatic rules and requirements relating to the project. I acknowledge that failure to do so may result in rejection or deobligation of the grant or loan award. I acknowledge that failure to comply with all federal and program rules could result in civil or criminal prosecution by the appropriate law enforcement authorities.

(iii) I certify that the entity(ies) I represent has and will comply with all applicable administrative and federal statutory, regulatory, and policy requirements set forth in the Department of Commerce Pre-Award Notification Requirements for Grants and Cooperative Agreements ("DOC Pre-Award Notification"), published in the Federal Register on February 11, 2008 (73 FR 7696), as amended; DOC Financial Assistance Standard Terms and Conditions (Mar. 8, 2009), the Department of Commerce American Recovery and Reinvestment Act Award Terms (Apr. 9, 2009); and any Special Award Terms and Conditions that are included by the Grants Officer in the award.

(iv) If requesting BTOP funding, I certify that the entity(ies) I represent has secured access to pay the 20% of total project cost or has petitioned the Assistant Secretary of NHA for a waiver of the matching requirement or received a waiver.

Signature of authorized person  Date Aug 12
Print name of authorized person Daniel Taylor
Title or position President