



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

Submitted Date: 8/14/2009 3:55:04 PM		Easygrants ID: 899	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Tincan	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Karen Michaelson	

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



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A. General Application Information

1. Applicant Information

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

i. Legal Name:	Tincan
ii. Employer/Taxpayer Identification Number (EIN/TIN):	300158253
Street 1:	827 West 1st Ave.
Street 2:	Suite 121
City:	Spokane
County:	Spokane
State:	WA
Country	United States
Zip/Postal Code:	99201

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

Prefix:	
First Name:	Karen
Middle Name:	
Last Name:	Michaelson
Suffix:	
Telephone Number:	509-744-0972
Fax Number:	
Email:	tincaninfo@tincan.org
Title:	Executive Director

1-C. Other Required Identification Numbers



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i. Organizational DUNS:	133872619
ii. CCR # (CAGE):	38CH1
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:

1-F. Congressional Districts of:

Applicant: Washington - 5

Program/Project
Washington - 5

2. Project Title and Project Description

2-A. Project Title : Spokane Broadband Technology Alliance: Public Computer Centers

2-B. Project Description: This project establishes or enhances 17 public computer centers to maximize access throughout Spokane's poorest neighborhoods. The centers will provide training for vulnerable populations including teens, unemployed, homeless and victims of domestic violence, as well as small



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businesses. Training ranges from basic Internet searching and accessing resources to social media and video publishing.

3. Project Type

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

Project Type: Public Computer Center

Project ID: 2

4. Application ID for Multiple Submissions for Identified Service Areas

BTOP Sustainable Broadband Adoption - Spokane Broadband Technology Alliance: Sustainable Adoption

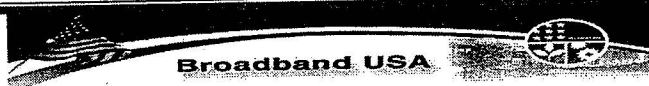
5. Estimated Funding (\$):

Estimated Funding (\$):	
Federal	1,283,723
Applicant	1,248
State	
Local	741,605
Other	10,400
Program Income	
Total	2,036,976

B. Eligibility Factors

6. Eligibility Factors.

The application must be completed fully, and all required supplemental documentation must be attached.



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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.

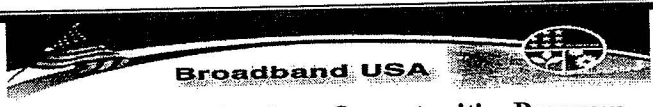
6-d. Applicant is providing matching funds of at least 20 percent towards to the total eligible project costs or is requesting a waiver of the matching requirements.
Yes

Matching Fund Waiver Request Explanation

C. Executive Summary

7. Executive Summary of Overall Proposal:

The City of Spokane has long lagged behind Washington State as a whole in terms of access to resources and prosperity. The city's per capita income is \$18,451, in comparison to the state's \$28,290. Of Spokane's residents, 15.5% live below the federal poverty level, in comparison to 11.8% in the state as a whole. The situation in Spokane's 5 identified low-income neighborhoods is more severe, with per capita incomes significantly below even those of the city as a whole. In these neighborhoods, one-third of the households have no working vehicle, one-fourth of individuals over 25 have not completed high school, and 10% have less than a ninth grade education. Computer and Internet use is also low. While the 2009 Pew broadband report notes home broadband usage at 63%, the lowest income users stood at only 35%. This is confirmed by surveys of the 600 at-risk teens/year who participate in Tincan's



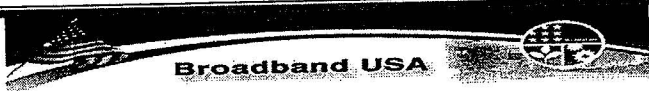
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programs. More than 80% say their only Internet access is limited to school, and an equal number say that their families do not have a computer at home. Access to public computer centers is critical in this environment. As an increasing number of government services go online, our most vulnerable citizens need access and training in areas that range from filing taxes to researching jobs. They also need a way to organize for activism and communicate in an enriched social environment. Both the libraries and community centers report that their PCCs are full whenever the facilities are open. But Spokane’s existing public computer centers cannot meet the needs of its most vulnerable people. The computers are too few and too old to run current software, and connectivity is too slow to meet contemporary Internet usage needs. Our solution to this problem has been to form a city-wide alliance of community partners and create a web of 17 public computer centers that blanket the low-income neighborhoods and are available to Spokane’s most vulnerable people. The Spokane Broadband Technology Alliance (SBTA) will create a web of facilities designed to serve all of the low-income neighborhoods of Spokane by careful geographic distribution and attention to the needs of both the general population of neighborhood residents and those vulnerable populations who need special access points. The innovation in the SBTA project, however, is not solely in the citywide collaboration. It is also in the types of training we will provide to meet the specific needs of our identified population. Certainly, we will provide basic Internet searching training, and links to needed services. But because the Internet is also increasingly a forum for self-expression, civic participation, social interaction, we will provide training in video production, social media, and developing serious video games. Our training has an underlying theme not only of skill-building, but increasing civic engagement. Small businesses, critical to the economic vitality of these low-income neighborhoods, will have the opportunity to learn how to sell on the Internet and use social media to promote their business.

This project addresses the BTOP goals of 1) providing improved access to broadband service to consumers residing in underserved areas of the country and 2) providing broadband access, education, awareness, training, equipment, and support to community anchor institutions or organizations and agencies serving vulnerable populations. Our related Sustainable Adoption proposal focuses more intensively on the innovative training we will provide, and supports this PCC proposal by encouraging people to use the computer centers in new ways.

The SBTA project stands on a strong foundation of existing partnerships. We did not come together solely for this proposal – we have been working together for over 15 years. Given that strong base, we could start many project activities immediately, offering some training using our laptop lab while new computers are purchased and connectivity enhanced. Tincan also has a long track record of effective project management of projects of similar size, scope, and



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focus. We have had three TOP grants as well as U.S. Department of Education and National Science Foundation technology grants. We know how to manage them to not only ensure that the programs are implemented, but also ensure that they will grow. The community centers that have joined this project began in 1994 as Tincan’s first public access sites, now grown to robust public computer centers. Our second TOP grant focused on business development and led to not only an ongoing program to help small businesses get online, but to our very successful drop out prevention program based on an innovative e-commerce curriculum. The final TOP grant was to start a “virtual teen center” with activities to engage at-risk youth. This project has grown to serving over 600 teens a year, leveraging millions of dollars in public and private funds. We know how to create a strong framework for implementation and how to promote sustainability.

We anticipate that the project will serve 298,906 unduplicated users, defined by calculating 2/3 of the partners proposed users over the two-year project period. Using the OMB rubric of 1 job year created/\$92,000 expenditure, the minimum number of jobs created will be 22. We estimate jobs saved to be 150 due to increased skills of workers.

The overall cost of the project is \$2,036,976, including \$1,283,723 in requested BTOP funds and \$753,253 (37%) match, for a cost of \$6.81 per unduplicated user over the course of the project.

D. Project Purpose

Project Purpose: Recovery Act & BTOP Objectives

8. Project Purpose

The City of Spokane has long lagged behind Washington State as a whole in terms of access to resources and prosperity. The city’s per capita income is \$18,451, in comparison to the state’s \$28,290. Of Spokane’s residents, 15.5% live below the federal poverty level, in comparison to 11.8% in the state as a whole. The situation in Spokane’s 5 identified low-income neighborhoods is more severe. For the East Central, West Central, Downtown, Northeast, and Peaceful Valley neighborhoods, percentage of individuals below the federal poverty level are 27.7, 23.6, 24.6, 24.1 and 32.6 respectively. In these neighborhoods, one-third of the households have no working vehicle, one-fourth of individuals over 25 have not completed high school, and 10% have less than a ninth grade education. While the city’s



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current unemployment rate hovers at about 9%, in these neighborhoods unemployment is well into the double digits. Computer and Internet use is also low. While the 2009 Pew broadband report notes home broadband usage at 63%, the lowest income users stood at only 35%. This is confirmed by surveys of the 600 at-risk teens/year who participate in Tincan’s programs. More than 80% say their only Internet access is limited to school, and an equal number say that their families do not have a computer at home.

Access to public computer centers is critical in this environment. As an increasing number of government services go online, our most vulnerable citizens need access and training in areas that range from filing taxes to researching jobs. They also need a way to organize for activism. Both the libraries and community centers report that their PCCs are full whenever the facilities are open. But Spokane’s existing public computer centers cannot meet the needs of its most vulnerable people. The computers are too few and too old to run current software: Tincan wanted to run a youth game development program at East Central Community Center, but the computers were not capable of running even the low end software. Tincan’s public computer access is woefully below our expressed demand. We have a small four-computer lab equipped with video editing software where teens who drop in can work; we have 19 laptops that can be used, and our office is often filled with teens sprawled across chairs and the floor, finishing a web page or a film. For larger trainings, we rent a computer lab at a nearby university, but it is only available in the summer, and for restricted hours that don’t conflict with classes. Overall, we do not have a computer facility that will allow us to expand our training, have participants drop in to work on projects, and be available in the evenings and weekends when many adults need access. Or broadband speeds are too low for current usages. Customers at neighborhood libraries complain almost daily about the very slow Internet speeds, especially since the new gates computers have been installed.

Our solution to this problem has been to form an alliance of community partners and create a web of 17 public computer centers that blanket the low-income neighborhoods and are available to Spokane’s most vulnerable people. This is a city-wide project that links collaborating organizations to form a web of facilities designed to serve all of the low income neighborhoods of Spokane by careful geographic distribution and attention to the needs of both the general population of neighborhood residents and those vulnerable populations who need special access points. Some partners are anchor institutions like libraries and community centers. Others have a mobile component so they can be brought to shelters and transitional housing to serve teens, unemployed, homeless and victims of domestic violence.

The innovation in the SBTA project, however, is not solely in the citywide collaboration. It is also in the types of training we will provide to meet the specific needs of our identified



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population. Certainly, we will provide basic Internet searching training, and links to needed services. We have designed some innovative portals to these activities that are further detailed in our Sustainable Adoption proposal. But because the Internet is also increasingly a forum for self-expression, civic participation, social interaction, we will provide training in video production, social media, and developing video games. Our training has an underlying theme not only of skill building, but increasing civic engagement. Small businesses, critical to the economic vitality of these low-income neighborhoods, will have the opportunity to learn how to sell on the Internet and use social media to promote their business. Community organizations will also have the opportunity to learn how to better inform citizens of their goals and resources. All of our curricula and resource materials are placed online, making replication of what we are doing possible in other communities.

This project addresses the BTOP goals of 1) providing improved access to broadband service to consumers residing in underserved areas of the country and 2) providing broadband access, education, awareness, training, equipment, and support to community anchor institutions or organizations and agencies serving vulnerable populations. Our related Sustainable Adoption proposal focuses more intensively on the innovative training we will provide, and supports this PCC proposal by encouraging people to use the computer centers in new ways. . While the Public Computer Centers project introduces vulnerable people to broadband through increased access and training, the Sustainable Adoption project moves people into becoming full participants in the Digital Age.

9. Recovery Act and Other Governmental Collaboration.

Given the goals and activities of the proposed project, The SBTA project has not identified specific state or federal recovery act funding at this time to leverage for this project. We have already received state CTOP funding to pilot several training components of the project, and are collaborating with partners to apply for additional state and federal educational funding under the 21st Century Schools and Building Bridges programs. The collaborative relationships and resources developed through this project provide a framework for applying for funding. This BTOP project will position Alliance partners to leverage additional state funding as it becomes available as well as to identify sources of federal funding whether they are Recovery Act funds or other programs. Having public computers in place and a framework for shared training will provide a solid foundation for application for other state or federal developmental grant programs, particularly in the areas of education, health information, and small business/economic development. In addition, Tincan has a strong track record of federal funding, and has identified a number of grant programs they intend to apply for in the next 8



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months. These include funds from the National Science Foundations ITEST program, the U.S. Department of Education’s Women’s Educational Equity Act program (current funders) as well as Environmental Protection Agency funding. We have also identified state and local funding for health information awareness that we will apply for in this same period.

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

Poverty and family disruption have created a population of at-risk youth that Spokane’s schools have not adequately addressed. The high school drop out rate is well over 33%; there are over 400 homeless youth under the age of 18 in Spokane living independently. The Youth Risk Behavior Survey, 39% of teens age 13-18 do not participate in any supervised after school activities either at school or away from school. Their time is "unstructured, unsupervised, and unproductive." This often translates into risky behavior, from minor vandalism to just loitering where they are not welcome. This is particularly true of teens from low-income families. Spokane has a higher juvenile arrest rate than the four other most populous counties in the state. Children and education have always been key components of Tincan’s programs. We serve over 600 teens/year in after school and summer programs. We know from these programs that at-risk, low-income teens rarely have access to the equipment needed for video production or online expression. Presently when there is access through public access sites, their time is limited and there is no one available to teach them the skills they need to effectively express themselves. The increased availability of public broadband access will allow us to increase the number of youth we serve, including expanding to pre-teens where there has been great demand. We won’t just give them a place to be online, we will use the training to not only give them technology and “soft skills’ but to get them engaged in their community. Being poor is often a deterrent to civic activity; a Civic Engagement Survey indicated that civic engagement declined with annual household income. This is particularly true of low income and/or at risk teens. However, while teens appear disaffected, they are often keenly aware of their neighborhood and can articulate what needs to change to make their community a place they want to live. Our programs give youth a voice in their community while at the same time increasing their technological fluency. When they make a video game or film, it is about a serious issue. In all of our educational programs, whether for teachers or youth, we are passionate about inclusion. We reach out to the disenfranchised – youth who are homeless, who are in the juvenile justice system, who are struggling with their sexual identity. We understand that it is not simply lack of access to a computer or a Blackberry that disenfranchises people; it is the sense that they are powerless within the larger society. It is our



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essential belief that access means access for all. The expansion of available training sites will allow us to expand our youth outreach from hundreds to thousands each year. All sites will support expanded training for youth though Tincan’s innovative curricula.

11. Small and Disadvantaged Business Involvement

While poverty is extensive in the Spokane area, the city’s minority population as a whole is only 9.26%, up slightly from the 7.2% of ten years ago. There are few minority businesses that meet the requirements of Small and Disadvantaged businesses, although many small business in our project area are started by refugees, immigrants, and other low income entrepreneurs who seek to start businesses that will lift them out of poverty. We are actively trying to identify small and disadvantaged businesses to work with, especially in the areas of web development, graphics, and video production, not only for this project but also to meet our wider organizational needs.

E. Project Benefits

E-1 – Expanding Broadband Public Computer Center Capacity

Public Computer Center Capacity, Including Areas and Populations Served

12. Public Computer Centers Availability

This project establishes and/or expands 17 public access computer centers. Our goal is to provide a web of access locations that covers all of Spokane’s low-income neighborhoods. The hours of operation of the centers complement one another, so that we maximize the number of hours that some facility is open to the public within that area. For example, while community centers are open early and every weekday, but not on weekends unless there is specific training being presented, the libraries are open evenings and weekends, as well as varied weekdays. Most of the public computer centers are open to the general public without restriction, although the amount of time that individuals can spend using the Internet is sometimes restricted to allow more people to get online. We anticipate that each center will be used by neighborhood residents and/or people who are using other services offered by the facility (i.e., parents of children enrolled in the MLK Center’s early childhood programs). They are also free to travel to other centers if they want to work at alternative times. There are three centers that will serve special populations because they serve some of the most vulnerable people in our community. Crosswalk, a homeless shelter for teens, will only allow teens (whether they are resident or not)



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to use the computers and participate in training. Many of these teens have been exploited by adults and need a safe environment within which to explore and learn. The YWCA will restrict center usage to participants in their shelter programs for homeless families and victims of domestic violence. Again, these users need a safe and supportive environment to learn new skills and understand the resources available to them. The VOA will establish a mobile computer center that they will take to shelters that serve what some have called “IT untouchables”: homeless veterans, prisoners re-entering society, homeless women, victims of domestic violence, teen mothers, and the mentally ill. These populations are unlikely to be capable of accessing a public computer center open to the general public. The need access and training geared to their special needs and in a protected environment. When the mobile lab is not at shelter facilities, it will be open to VOA clients in their downtown office. Tincan and its partners do not charge fees for the use of their computers or for most training. Tincan charges a modest fee for youth technology summer camps (video game development, film production, etc.) to offset the cost of equipment repair and maintenance. However we are committed to the idea that no youth will be turned away because of ability to pay. We regularly access private funding to provide scholarships to the camps for most of the participants.

13. Restrictions on Public Computer Center Use

Other than the restrictions for unusually vulnerable populations noted above, there are no restrictions on computer use. Some centers may have to limit public use during trainings, but most will have at least some computers available to the general public. One of the principles for this alliance is that all centers would have the same software packages on their computers. This ranges from basic productivity software, such as Open Office, to more specialized software for video production and video game development. This will allow us to offer innovative training at every site. For example, Tincan has already offered video production training at VOA’s shelter for teen moms. This will eliminate our needed to bring our laptop lab to each facility for training. It will also allow staff at each facility to learn to learn the various training curricula and to support users who want to use the software to carry our special projects at the computer center. We acknowledge that some populations will need focused training too use some of the software, but we do not want lack of availability of software to become a restriction on use.

14. Public Computer Centers Accessibility

All of the public computer centers participating in the SBTA are physically accessible to



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individuals with disabilities. It is a requirement of being part of the alliance. Because all of the facilities are public and/or receive public funds, they have undergone modifications to make their facilities accessible. These modifications have included, where necessary, ramps, curb cuts, automatic doors, bathroom modifications, and signage. Physical modifications to the facilities will not be needed. Furniture and other components at the centers allow for wheelchair access. In some locations, such as Volunteers of America and Crosswalk, laptops will be used onsite to better accommodate diverse populations with special needs and/or in more restricted spaces. Tincan has partnered with Easter Seals technology programs in the past to accommodate special needs populations. They have helped us access adaptive keyboards and specialized software on an as-needed basis. We will continue to work with their program to assist coalition members in meeting the needs of individuals with disabilities. We have also consulted local organizations serving specific populations with disabilities, such as those with vision impairments, and will continue to do so on an as needed basis. In addition, we will provide specific training to staff at each center on working with people with disabilities, including helping them use the technology and accessing specialized technology and software to meet individual needs. This is particularly important for the staff that each member of the Alliance has assigned to manage the computer center and become on-site trainers. Emphasis will be placed not only on understanding the physical and technology needs of people with disabilities, but also on being sensitive to issues of inclusion and culture. Tincan staff trainer Ryan Ferguson, who has taught multimedia technology to individuals with disabilities, will take the lead in this training.

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

<p>PCC - Center Locations & Center Capacity & Size and Scope of Target Audience.</p> <p>Public Computer Center: Tincan Address Line 1: 827 West 1st Ave. Address Line 2: Suite 121 City : Spokane State: WA Zip: 99201</p> <p>Computer Center Name /Type: Tincan Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 188721</p> <p>Hours Open to Public:</p>



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Average Hours Open to Public Per 120-hour Business Week: 40
Proposed Hours Open to Public Per 120-hour Business Week:40
Average Hours Open to Public Per 48-hour Weekend: 0
Proposed Hours Open to Public Per 48-hour Weekend:4

Broadband Workstations:
Current # of Broadband Workstations: 4
Proposed # of Broadband Workstations: 40

Facility Broadband Connection Speed (MBps):
Current Facility Broadband Connection Speed (MBps): 6.14
Proposed Facility Broadband Connection Speed (MBps): 6.14

of Persons Served:
of Persons served per 120-hour business week (current): 20
of Persons served per 120-hour business week (proposed target): 200
of Persons served per 48-hour weekend (current): 0
of Persons served per 48-hour weekend (proposed target): 10

Public Computer Center: Downtown Spokane Public Library
Address Line 1: 906 West Main Ave.
Address Line 2:
City : Spokane
State: WA
Zip: 99201

Computer Center Name /Type: Downtown Spokane Public Library
Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 195629

Hours Open to Public:
Average Hours Open to Public Per 120-hour Business Week: 36
Proposed Hours Open to Public Per 120-hour Business Week:36
Average Hours Open to Public Per 48-hour Weekend: 8
Proposed Hours Open to Public Per 48-hour Weekend:8

Broadband Workstations:
Current # of Broadband Workstations: 31
Proposed # of Broadband Workstations: 31

Facility Broadband Connection Speed (MBps):
Current Facility Broadband Connection Speed (MBps): 10.00
Proposed Facility Broadband Connection Speed (MBps): 100.00



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of Persons Served:
 # of Persons served per 120-hour business week (current): 94
 # of Persons served per 120-hour business week (proposed target): 112
 # of Persons served per 48-hour weekend (current): 47
 # of Persons served per 48-hour weekend (proposed target): 56

Public Computer Center: South Hill Spokane Public Library
 Address Line 1: 3324 South Perry
 Address Line 2:
 City : Spokane
 State: WA
 Zip: 99203

Computer Center Name /Type: South Hill Spokane Public Library
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 23700

Hours Open to Public:
 Average Hours Open to Public Per 120-hour Business Week: 44
 Proposed Hours Open to Public Per 120-hour Business Week:44
 Average Hours Open to Public Per 48-hour Weekend: 8
 Proposed Hours Open to Public Per 48-hour Weekend:8

Broadband Workstations:
 Current # of Broadband Workstations: 12
 Proposed # of Broadband Workstations: 12

Facility Broadband Connection Speed (MBps):
 Current Facility Broadband Connection Speed (MBps): 1.54
 Proposed Facility Broadband Connection Speed (MBps): 100.00

of Persons Served:
 # of Persons served per 120-hour business week (current): 316
 # of Persons served per 120-hour business week (proposed target): 379
 # of Persons served per 48-hour weekend (current): 158
 # of Persons served per 48-hour weekend (proposed target): 189

Public Computer Center: East Side Spokane Public Library
 Address Line 1: 524 South Stone
 Address Line 2:
 City : Spokane
 State: WA



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Public Computer Centers Program – Sustainable Adoption Program**

Submitted Date: 8/14/2009 3:55:04 PM		Easygrants ID: 899	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Tincan	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Karen Michaelson	

Zip: 99202

Computer Center Name /Type: East Side Spokane Public Library
Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 9827

Hours Open to Public:
Average Hours Open to Public Per 120-hour Business Week: 18
Proposed Hours Open to Public Per 120-hour Business Week: 18
Average Hours Open to Public Per 48-hour Weekend: 4
Proposed Hours Open to Public Per 48-hour Weekend: 4

Broadband Workstations:
Current # of Broadband Workstations: 9
Proposed # of Broadband Workstations: 9

Facility Broadband Connection Speed (MBps):
Current Facility Broadband Connection Speed (MBps): .77
Proposed Facility Broadband Connection Speed (MBps): 100.00

of Persons Served:
of Persons served per 120-hour business week (current): 86
of Persons served per 120-hour business week (proposed target): 103
of Persons served per 48-hour weekend (current): 43
of Persons served per 48-hour weekend (proposed target): 51

Public Computer Center: Hillyard Spokane Public Library
Address Line 1: 4005 North Cook
Address Line 2:
City : Spokane
State: WA
Zip: 99207

Computer Center Name /Type: Hillyard Spokane Public Library
Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 34686

Hours Open to Public:
Average Hours Open to Public Per 120-hour Business Week: 18
Proposed Hours Open to Public Per 120-hour Business Week: 18
Average Hours Open to Public Per 48-hour Weekend: 1
Proposed Hours Open to Public Per 48-hour Weekend: 1

Broadband Workstations:



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Current # of Broadband Workstations: 9
Proposed # of Broadband Workstations: 9

Facility Broadband Connection Speed (MBps):
Current Facility Broadband Connection Speed (MBps): .77
Proposed Facility Broadband Connection Speed (MBps): 100.00

of Persons Served:
of Persons served per 120-hour business week (current): 122
of Persons served per 120-hour business week (proposed target): 146
of Persons served per 48-hour weekend (current): 61
of Persons served per 48-hour weekend (proposed target): 73

Public Computer Center: Indian Trail Spokane Public Library
Address Line 1: 4909 West Barnes Rd
Address Line 2:
City : Spokane
State: WA
Zip: 99208

Computer Center Name /Type: Indian Trail Spokane Public Library
Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 6329

Hours Open to Public:
Average Hours Open to Public Per 120-hour Business Week: 18
Proposed Hours Open to Public Per 120-hour Business Week: 18
Average Hours Open to Public Per 48-hour Weekend: 4
Proposed Hours Open to Public Per 48-hour Weekend: 4

Broadband Workstations:
Current # of Broadband Workstations: 5
Proposed # of Broadband Workstations: 5

Facility Broadband Connection Speed (MBps):
Current Facility Broadband Connection Speed (MBps): .77
Proposed Facility Broadband Connection Speed (MBps): 100.00

of Persons Served:
of Persons served per 120-hour business week (current): 102
of Persons served per 120-hour business week (proposed target): 122
of Persons served per 48-hour weekend (current): 51
of Persons served per 48-hour weekend (proposed target): 61



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Public Computer Center: Shadle Spokane Public Library
 Address Line 1: West 2111 Wellesley Ave
 Address Line 2:
 City : Spokane
 State: WA
 Zip: 99205

Computer Center Name /Type: Shadle Spokane Public Library
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 16153

Hours Open to Public:
 Average Hours Open to Public Per 120-hour Business Week: 44
 Proposed Hours Open to Public Per 120-hour Business Week:44
 Average Hours Open to Public Per 48-hour Weekend: 8
 Proposed Hours Open to Public Per 48-hour Weekend:8

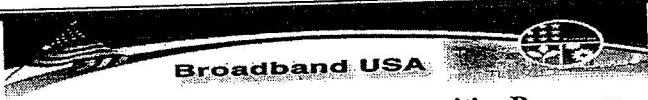
Broadband Workstations:
 Current # of Broadband Workstations: 16
 Proposed # of Broadband Workstations: 16

Facility Broadband Connection Speed (MBps):
 Current Facility Broadband Connection Speed (MBps): 1.54
 Proposed Facility Broadband Connection Speed (MBps): 100.00

of Persons Served:
 # of Persons served per 120-hour business week (current): 520
 # of Persons served per 120-hour business week (proposed target): 624
 # of Persons served per 48-hour weekend (current): 260
 # of Persons served per 48-hour weekend (proposed target): 312

Public Computer Center: West Central Community Center
 Address Line 1: 1603 North Belt
 Address Line 2:
 City : Spokane
 State: WA
 Zip: 99205

Computer Center Name /Type: West Central Community Center



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Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 16153

Hours Open to Public:
 Average Hours Open to Public Per 120-hour Business Week: 40
 Proposed Hours Open to Public Per 120-hour Business Week: 40
 Average Hours Open to Public Per 48-hour Weekend: 0
 Proposed Hours Open to Public Per 48-hour Weekend: 0

Broadband Workstations:
 Current # of Broadband Workstations: 0
 Proposed # of Broadband Workstations: 11

Facility Broadband Connection Speed (MBps):
 Current Facility Broadband Connection Speed (MBps): 2.65
 Proposed Facility Broadband Connection Speed (MBps): 100.00

of Persons Served:
 # of Persons served per 120-hour business week (current): 0
 # of Persons served per 120-hour business week (proposed target): 450
 # of Persons served per 48-hour weekend (current): 0
 # of Persons served per 48-hour weekend (proposed target): 0

Public Computer Center: Northeast Community Center
 Address Line 1: 4001 North Cook Street
 Address Line 2:
 City : Spokane
 State: WA
 Zip: 99207

Computer Center Name /Type: Northeast Community Center
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 34686

Hours Open to Public:
 Average Hours Open to Public Per 120-hour Business Week: 35
 Proposed Hours Open to Public Per 120-hour Business Week: 35
 Average Hours Open to Public Per 48-hour Weekend: 0
 Proposed Hours Open to Public Per 48-hour Weekend: 0

Broadband Workstations:
 Current # of Broadband Workstations: 8
 Proposed # of Broadband Workstations: 40



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Facility Broadband Connection Speed (MBps):
 Current Facility Broadband Connection Speed (MBps): 15.00
 Proposed Facility Broadband Connection Speed (MBps): 100.00

of Persons Served:
 # of Persons served per 120-hour business week (current): 600
 # of Persons served per 120-hour business week (proposed target): 3500
 # of Persons served per 48-hour weekend (current): 0
 # of Persons served per 48-hour weekend (proposed target): 0

Public Computer Center: Peaceful Valley Community Center
 Address Line 1: 214 North Cedar Street
 Address Line 2:
 City : Spokane
 State: WA
 Zip: 99201

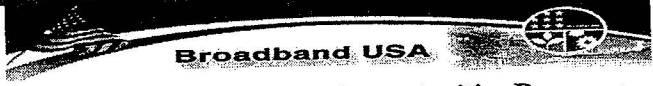
Computer Center Name /Type: Peaceful Valley Community Center
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 9827

Hours Open to Public:
 Average Hours Open to Public Per 120-hour Business Week: 30
 Proposed Hours Open to Public Per 120-hour Business Week:40
 Average Hours Open to Public Per 48-hour Weekend: 0
 Proposed Hours Open to Public Per 48-hour Weekend:0

Broadband Workstations:
 Current # of Broadband Workstations: 0
 Proposed # of Broadband Workstations: 21

Facility Broadband Connection Speed (MBps):
 Current Facility Broadband Connection Speed (MBps): .00
 Proposed Facility Broadband Connection Speed (MBps): 100.00

of Persons Served:
 # of Persons served per 120-hour business week (current): 0
 # of Persons served per 120-hour business week (proposed target): 100
 # of Persons served per 48-hour weekend (current): 0
 # of Persons served per 48-hour weekend (proposed target): 0



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Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Karen Michaelson	

Public Computer Center: East Central Community Center
 Address Line 1: 500 South Stone Street
 Address Line 2:
 City : Spokane
 State: WA
 Zip: 99202

Computer Center Name /Type: East Central Community Center
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 9827

Hours Open to Public:
 Average Hours Open to Public Per 120-hour Business Week: 45
 Proposed Hours Open to Public Per 120-hour Business Week:45
 Average Hours Open to Public Per 48-hour Weekend: 0
 Proposed Hours Open to Public Per 48-hour Weekend:0

Broadband Workstations:
 Current # of Broadband Workstations: 15
 Proposed # of Broadband Workstations: 20

Facility Broadband Connection Speed (MBps):
 Current Facility Broadband Connection Speed (MBps): 6.14
 Proposed Facility Broadband Connection Speed (MBps): 100.00

of Persons Served:
 # of Persons served per 120-hour business week (current): 12
 # of Persons served per 120-hour business week (proposed target): 60
 # of Persons served per 48-hour weekend (current): 0
 # of Persons served per 48-hour weekend (proposed target): 0

Public Computer Center: Volunteers of America
 Address Line 1: 525 West 2nd Ave.
 Address Line 2:
 City : Spokane
 State: WA
 Zip: 99201

Computer Center Name /Type: Volunteers of America
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 195629

Hours Open to Public:
 Average Hours Open to Public Per 120-hour Business Week: 120



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Proposed Hours Open to Public Per 120-hour Business Week:120
 Average Hours Open to Public Per 48-hour Weekend: 30
 Proposed Hours Open to Public Per 48-hour Weekend:30

Broadband Workstations:
 Current # of Broadband Workstations: 2
 Proposed # of Broadband Workstations: 12

Facility Broadband Connection Speed (MBps):
 Current Facility Broadband Connection Speed (MBps): 1.12
 Proposed Facility Broadband Connection Speed (MBps): 1.12

of Persons Served:
 # of Persons served per 120-hour business week (current): 70
 # of Persons served per 120-hour business week (proposed target): 300
 # of Persons served per 48-hour weekend (current): 10
 # of Persons served per 48-hour weekend (proposed target): 50

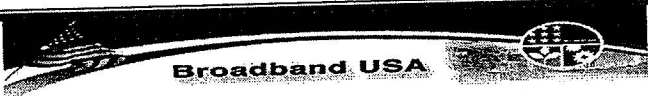
Public Computer Center: Martin Luther King Center
Address Line 1: 845 South Sherman Street
Address Line 2:
City : Spokane
State: WA
Zip: 99202

Computer Center Name /Type: Martin Luther King Center
Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 5350

Hours Open to Public:
 Average Hours Open to Public Per 120-hour Business Week: 50
 Proposed Hours Open to Public Per 120-hour Business Week:50
 Average Hours Open to Public Per 48-hour Weekend: 0
 Proposed Hours Open to Public Per 48-hour Weekend:0

Broadband Workstations:
 Current # of Broadband Workstations: 0
 Proposed # of Broadband Workstations: 10

Facility Broadband Connection Speed (MBps):
 Current Facility Broadband Connection Speed (MBps): 5.14
 Proposed Facility Broadband Connection Speed (MBps): 5.14



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of Persons Served:
 # of Persons served per 120-hour business week (current): 0
 # of Persons served per 120-hour business week (proposed target): 700
 # of Persons served per 48-hour weekend (current): 0
 # of Persons served per 48-hour weekend (proposed target): 0

Public Computer Center: YWCA
 Address Line 1: 930 North Monroe
 Address Line 2:
 City : Spokane
 State: WA
 Zip: 99201

Computer Center Name /Type: YWCA
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 195629

Hours Open to Public:
 Average Hours Open to Public Per 120-hour Business Week: 32
 Proposed Hours Open to Public Per 120-hour Business Week:32
 Average Hours Open to Public Per 48-hour Weekend: 0
 Proposed Hours Open to Public Per 48-hour Weekend:0

Broadband Workstations:
 Current # of Broadband Workstations: 4
 Proposed # of Broadband Workstations: 6

Facility Broadband Connection Speed (MBps):
 Current Facility Broadband Connection Speed (MBps): 1.08
 Proposed Facility Broadband Connection Speed (MBps): 1.08

of Persons Served:
 # of Persons served per 120-hour business week (current): 30
 # of Persons served per 120-hour business week (proposed target): 45
 # of Persons served per 48-hour weekend (current): 0
 # of Persons served per 48-hour weekend (proposed target): 0

Public Computer Center: YMCA
 Address Line 1: 930 North Monroe
 Address Line 2:
 City : Spokane
 State: WA
 Zip: 99201



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Computer Center Name /Type: YMCA
Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 195629

Hours Open to Public:
Average Hours Open to Public Per 120-hour Business Week: 35
Proposed Hours Open to Public Per 120-hour Business Week:35
Average Hours Open to Public Per 48-hour Weekend: 18
Proposed Hours Open to Public Per 48-hour Weekend:18

Broadband Workstations:
Current # of Broadband Workstations: 5
Proposed # of Broadband Workstations: 8

Facility Broadband Connection Speed (MBps):
Current Facility Broadband Connection Speed (MBps): .81
Proposed Facility Broadband Connection Speed (MBps): .81

of Persons Served:
of Persons served per 120-hour business week (current): 50
of Persons served per 120-hour business week (proposed target): 80
of Persons served per 48-hour weekend (current): 30
of Persons served per 48-hour weekend (proposed target): 36

Public Computer Center: Contract Based Education
Address Line 1: 115 South University
Address Line 2: Suite A
City : Spokane
State: WA
Zip: 99206

Computer Center Name /Type: Contract Based Education
Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 14315

Hours Open to Public:
Average Hours Open to Public Per 120-hour Business Week: 34
Proposed Hours Open to Public Per 120-hour Business Week:40
Average Hours Open to Public Per 48-hour Weekend: 0
Proposed Hours Open to Public Per 48-hour Weekend:4

Broadband Workstations:
Current # of Broadband Workstations: 1



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Proposed # of Broadband Workstations: 8

Facility Broadband Connection Speed (MBps):
 Current Facility Broadband Connection Speed (MBps): 32.69
 Proposed Facility Broadband Connection Speed (MBps): 32.69

of Persons Served:
 # of Persons served per 120-hour business week (current): 450
 # of Persons served per 120-hour business week (proposed target): 540
 # of Persons served per 48-hour weekend (current): 0
 # of Persons served per 48-hour weekend (proposed target): 10

Public Computer Center: Crosswalk Schook, Institute for Extended Learning
 Address Line 1: 525 West 2nd Ave
 Address Line 2:
 City : Spokane
 State: WA
 Zip: 99201

Computer Center Name /Type: Crosswalk Schook, Institute for Extended Learning
 Estimated # of Total Persons in your Service Area (or Specific Population Sub-Group): 14315

Hours Open to Public:
 Average Hours Open to Public Per 120-hour Business Week: 20
 Proposed Hours Open to Public Per 120-hour Business Week: 45
 Average Hours Open to Public Per 48-hour Weekend: 0
 Proposed Hours Open to Public Per 48-hour Weekend: 4

Broadband Workstations:
 Current # of Broadband Workstations: 4
 Proposed # of Broadband Workstations: 12

Facility Broadband Connection Speed (MBps):
 Current Facility Broadband Connection Speed (MBps): 1.12
 Proposed Facility Broadband Connection Speed (MBps): 1.12

of Persons Served:
 # of Persons served per 120-hour business week (current): 30
 # of Persons served per 120-hour business week (proposed target): 35
 # of Persons served per 48-hour weekend (current): 0
 # of Persons served per 48-hour weekend (proposed target): 4



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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
Age Distribution: 70 and above

Ethnicity or ethnicities
Ethnicity: Hispanic
Ethnicity: Non-Hispanic White
Ethnicity: Non-Hispanic Black
Ethnicity: Non-Hispanic American Indian
Ethnicity: Non-Hispanic Asian
Ethnicity: Non-Hispanic Other
Ethnicity: Two or More Races



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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
Median Household Income: \$50,000 - \$74,999

Educational Levels
Educational Levels: Middle - Grade 6 to Grade 8
Educational Levels: Secondary - Grade 9 to Grade 12
Educational Levels: College
Educational Levels: Masters

Disabilities status
Disabilities status : Not Applicable

Unemployment Rate
Unemployment Rate: 45.00



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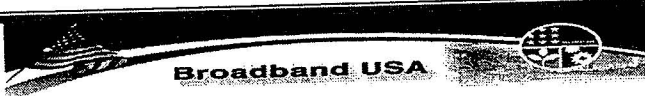
Language
Language : English - Primary

17. Public Computer Centers Outreach

As a city-wide alliance, this project was jointly planned by community organizations that serve Spokane’s most vulnerable populations. The planning process led to a discussion of who our target audience is, and what services they most need. Our audience is, broadly, Spokane’s disadvantaged and low-income populations; people who are disenfranchised because of factors such as where they live, their lifestyles, and their education. While Tincan has had a youth focus, our reach extends to families and seniors and those who are homeless and/or suffer from various forms of discrimination. Our partners are aware of the needs of their constituents, so one of our primary outreach will be through their resources: bulletin boards in community centers, organization newsletters, information at social service agencies. To increase coverage, the City of Spokane will print flyers to insert in utility bills, which reach almost every household in Spokane. We will advertise the availability of the centers and training in church bulletins, set up tables at community street fairs and farmers markets, and work with the local media to cover grand openings of computer centers and human interest stories about the trainings. Every time we have had a story in the newspaper about our teens’ films, for example, we have had a flood of inquires from adults as well as teens about how they can learn to tell their story online.

It has been our experience that outreach has to take many forms to maximize the number of individuals we will reach. While we will have a robust project web site with a calendar, it is folly to use that as the primary outreach to people who are not web literate. We need to reach people where they are: posters for low-income families will go in laundromats and discount groceries, as well as bus stations. Television is still an important source of information for our target audience. Our teens will make public service announcements for TV and radio that advertise the project and the city will promote the project on its cable TV.

The message needs to make the Internet relevant to their lives. It is not enough to provide a message that the Internet is something that you should know about. Why should they bother to get online? We will advertise specialized training on how to search for resources on car repair, low cost cooking, children’s activities, and crafts. These flyers will go in places that people with those interests might congregate, so that they can see the benefit of the Internet in



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supporting things that are important to their lives.

Public Computer Center Capacity: Training and Educational Programs

18. Public Computer Centers Peripherals and Equipment

All of the centers were surveyed to determine their technology needs. The budget reflects their requests. We have standardized some of the peripherals and equipment that will be available at all sites to make it easier to support them. These include: networked and/or wireless printer/scanners (one or more, depending on the number of computers), any necessary wireless routers for laptop labs, speakers and basic microphones integrated into the computer. Headphones will be provided at all workstations. At sites that are using computers without integrated web cams, separate web cams will be provided. Because all of the sites want to be able to offer video production training, we will provide a video production package including cameras, a boom microphone, a tripod and necessary supplies such as tapes and batteries.

19. Public Computer Centers Workstation Software

The computers available in the center will be both PCs and Mac, depending on the technology plan of the specific facility. Software will be a mix of open source and commercial applications. Software choices for each workstation will vary somewhat by the type of computer being used. All workstations will be provided with either Microsoft Office or Open Office, Skype, Firefox web browser, compression software depending upon whether they are using a Mac or PC, and Symantec antivirus. We will install Adobe CreativeSuite4 on all computers, which provides integrated Flash, Photoshop, Dreamweaver for web development, and other programs that will be useful for teaching film and web development. This will eliminate the need to bring our laptops to training sites, and provide a platform for onsite staff to learn the programs. We also will install a mix of other popular free programs such as Audacity and Garage Band. We will install at least one ten-seat license for MultiMedia Fusion2 at every site. MMF is a non-programmer video game development tool that we have used extensively in our basic video game development training. Almost all sites want to be able to offer that very popular training, and this will enable us to do so efficiently. For sites that want to pursue advanced game development, we will provide Blender, which is free 3D software.



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20. Public Computer Centers Training and Education Programs

SBTA has 9 broad areas that will be offered throughout the alliance. Partners will help us understand the needs of their constituents. Indeed, some of the training that we have planned comes directly from requests to offer specific trainings at more locations, to extend them to other groups (for example, to modify our youth media program to provide training for adult community members who want to use the medium to tell their story or promote a cause), and/or to develop new topics for training. In particular, constituents have requested more intergenerational programs and more information about social media. They are listed here. Our related Sustainable Development proposal expands on how these curriculum areas are innovative, and why they will promote increased broadband participation.

- Basic Internet using interest-based searches
- Using social media for individuals and community action
- Learning to access government and service resources
- Telling your story or your community's story through video
- Video game development focused on serious games
- Drop Out Prevention through e-commerce and intergenerational activities
- Small business strategies including social media and selling on the web
- Intergenerational programs ranging from oral history to developing videos or games
- Using Google Earth to map your community (we have GPS units to loan)

Training is offered in a number of formats, from one-hour workshops to weeks long summer programs. Our video program offers a sequenced series of training leading to mastery of the medium sufficient for employment. We hope to develop more sequenced curricula that can lead to specific job readiness. While the SBTA training does not offer formal certifications, graduates of the programs receive certificates that they can use to obtain services from participating businesses, and to check out equipment.

Our training promotes economic development both by giving small businesses the knowledge they need to survive in a tough environment, and by providing participants with job readiness skills that are needed in today's economy. Our ongoing program evaluation indicates that teens participating in our programs not only gain technical skills, but also have an increase in 21st century skills such as problem solving, communication, and collaboration that are valued by employers. We will continue that evaluation throughout this project



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Tincan has 5 instructors that have been working with a variety of community groups. Joseph Comine is a filmmaker and a member of Sustain Spokane, the local chapter of Bioneers. He creates and runs their local film festival. Joe's work has been exhibited in numerous film festivals. He has led participants in developing videos about serious topics in the community. Teens in his programs have received regional and national awards.

James Jack has been working in the field of visual communication since 1997. His professional experience as a designer includes web design, print design and illustration. His range of projects include award winning billboard designs, print ads, web design, music CD covers, movie posters and DVD covers, and more. He excels in Adobe Photoshop, Dreamweaver and Flash. He has been teaching in Tincan's e-commerce and web development programs.

Ryan Ferguson brings video expertise as a graduate of the Art Institute of Seattle. His wide range of experience includes shooting and editing at two local TV stations and instructing teens with disabilities on video production through the Pearson Charitable Foundation. He has taught in our adult and teen programs, and excels in bringing individuals into active participation. He has also done training in social media.

Tara Neumann has a passion for youth development and holds a BSED in Secondary Education and a M.ED in Educational Technology. Since joining Tincan she has successfully piloted a variety of new programs for youth in Spokane. She is also Tincan's primary outreach person for community involvement

Nathan Manner is a graduate of Gonzaga University's School of Business. He has both the business knowledge to make material relevant to small business, and the teaching skills to gently bring along students who might not be familiar with the online environment. He has taught in our e-commerce-based drop out prevention program.

In addition to these trainers, all of Tincan's staff engages in direct teaching so that our management does not stray too far from our constituent base. Elisha Durrant teaches about local history and intergenerational programs; Jim O'Leary teaches the technical aspects of game development; Karen Michaelson teaches story-boarding for film and games.

In order to ensure the continuity of our training, we will put training materials online. Each partner organization is donating the time of at least 1/2 of an FTE to support their computer center. We will train them in the various curricula so that they can carry on training at their own site.

As a three-time TOP grantee and recipient of technology grants from the U.S. Department of Education and the National Science Foundation, we have had ample opportunity to learn from our past programs. Perhaps the most important lesson learned is to listen to your constituents so that the programs you offer actually meet their needs. Learning must take place in an engaged



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

Submitted Date: 8/14/2009 3:55:04 PM		Easygrants ID: 899	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Tincan	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Karen Michaelson	

environment based on real world experiences. Theoretical curricula do not support the kind of learning that makes changes in peoples' lives. Tied to that lesson is the willingness to change. Organizations who stick to outdated programs and missions do not thrive. Tincan started as purely providing access, and gradually evolved to providing content and training that makes access relevant. A final lesson is to value your community partners. Good programs are built out of good relationships.

E-2- Project Benefits – Sustainable BroadBand Adoption

21. Innovative Approach to Sustainable Broadband Adoption

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?

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?

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?

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?

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.

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)?



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29. Sustainable Broadband Adoption Equipment Purchased.

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

30. Sustainable Broadband Adoption Cost of Devices.

What is the total up-front cost of this equipment?

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?

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?

34. Sustainable Broadband Adoption Awareness Campaign Methods

35. Measuring Campaign Impact for Sustainable Broadband Adoption

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?

F. Project Viability

Technical Viability

37. Technology Strategy

37 - A. Public Computer Center Technology Strategy

The overall framework for the deployment of technology in SBTA is not to network the 17 computer centers, but to develop a separate technology plan for each center that will provide appropriate reliable, secure, and user friendly systems at each site. Tincan will be responsible for the installation and maintenance of its own computer center, and will assist in the installation and



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Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Karen Michaelson	

maintenance of technology at 6 additional non-profit computer center sites. The City of Spokane will be responsible for the installation and maintenance of computer centers at the libraries and community centers.

Tincan will expand its current small PCC into adjacent office space. The expanded center will consist of a 30 computer training lab with a classroom management computer that will allow the instructor to see and manage the trainees' computers using LanSchool classroom management software. The lab will be available for general public use when no workshop is occurring. The remaining 5 computers will be configured as a separate public access computer lab, which can be supplemented with laptops from Tincan's existing 19 computer mobile lab, using a wireless router. All desktop computers will be 24-inch iMacs with a 3.06GHz Intel Core 2 Duo capable of running both Mac OS and Windows. While the upfront cost is higher, the dual functions allow Tincan to train on either platform without having to duplicate computers. A separate DSL providing 7 mbps will be purchased for the lab. Each lab will be wired with cat 6 cabling to gigabit Ethernet switches. To ensure reliability and to protect workstation configurations from accidental or malicious damage-without restricting user access, each workstation will be configured with Deep Freeze workstation management software. Each workstation will have Symantec antivirus installed. The Workstations will share 2 networked printer/scanners. Each of the six non-profit centers has its own technology strategy based on specific needs and functions. They share some commonalities, for example all workstations will be configured with Deep Freeze workstation management software. All of the sites currently have broadband access either through cable or DSL, and will contribute that broadband access to the project. The YWCA will add 2 Macs to its 4 Mac lab; the YMCA will add 3 Macs to its 4 Mac lab. These computers will be networked using Cat 6 cabling to existing switches, and will be linked to existing printers. Contract-Based Education will add and iMac for video production and a 6 workstation thin client hub using Windows server for increased public access. This hub will be networked to the existing building WAN. Several partners will establish wireless labs. The PC laptops will be Dell Latitude E550; the Macs will be MacPro 15" 2.8 GHz. Because of security issues (the computer lab needs to be locked up overnight), Crosswalk will create a laptop lab that uses both PCs and Macs and that can be used in various configurations throughout the shelter. The lab will be connected to an existing Linksys wireless router connected to broadband provided by the Community Colleges of Spokane. For similar reasons, the MLK center will also establish a mixed wireless lab of 5 PCs and 5 Macs. They will use a LinkSys router for a wireless connection to their existing broadband, and will connect to a printer with a wireless interface. Volunteers of America will utilize a mobile wireless lab of 5 PCs and 5 Macs that they will take to 9 shelter and transitional housing sites throughout the city. Each site has broadband



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Public Computer Centers Program – Sustainable Adoption Program**

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Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Karen Michaelson	

and a LinkSys wireless router will be installed to make the mobile lab usable at each site. When the lab is not being used at a shelter, it will be housed at VOA’s office for use by clients. The office will also have a wireless router installed.

The City of Spokane’s technology strategy is to connect the 5 branch libraries and 4 community centers to the city’s existing fiber optic Metropolitan Area Network and to upgrade computers and networks at each center. Currently, connectivity at these sites is piecemeal, using commercial cable companies or rented fractional T1s. Replacing this slower connectivity will provide a data throughput of at least 100Mbps and will allow this bandwidth to scale up over time, as) the need arises. It will also eliminate the recurring cost of cable subscriptions or T1 lines. The replacement fiber connection will terminate with city standard Cisco network components, including Cisco Catalyst 3750 24 Port 10/100/1000T PoE + 4 SFP Standard Image, SMARTNET 8X5XNBD Cat 3750 24 10/100/1000T PoE + 4SFP, Cisco GE SFP, LC Connector LX/LH Transceiver and duplex Patch cables. The equipment will be rack mounted in the facility telecommunications room and a local area network will be established with a central patch panel in the same rack as the Cisco equipment. The facility will be wired with cat 6 cable and jacks located at each computer workstation. The computers will be Dell personal computers running Microsoft Windows 7. To ensure that these computers remain functional and in a consistently reliable state, the library uses Microsoft Steady State software developed by Microsoft specifically for use on public computer stations to prevent unwanted software configuration changes. Each computer will be connected with two patch cables to the rack mounted equipment. The library branches, West Central, and East Central Community Centers each have public computers strategically placed in their facilities where they can be observed by staff. Due to its confined space, Peaceful Valley will include a laptop lab along with 6 desktop PCs to take advantage of the more confined space. NECC will deploy the computers in 4 locations: 8 in the lobby for general public access; 4 for the Work-Readiness Room; 12 for the youth lab; 12 for the development of a senior workers entrepreneurial center.

37 - B. Sustainable Broadband Adoption Technology Strategy

Organizational Capability

38. Management Team Resumes.
Please refer to upload section at the end of document.



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

Submitted Date: 8/14/2009 3:55:04 PM	Easygrants ID: 899
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Tincan
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Karen Michaelson

39. Organizational Readiness

The concept for Tincan began at a public meeting in 1994, where representatives from business, health care, media, education, community-based organizations and individual citizens identified a need for a public access computer network that reflected community interests. Our mission is to provide education and support for social, economic and community development for the Inland Northwest region through the use of information technology and interactive media. Begun at Eastern Washington University, a 1994 grant from the U.S. Department of Commerce allowed the network to go online. Tincan’s original focus was equitable access to telecommunications and computer technology. While still supporting access, our focus has become developing meaningful content in support of the development of a vibrant community where online information is both readily available and useful to the region’s citizens. In late 1999, Tincan moved out of the university to become a non-profit organization. We have had three TOP grant as well as U.S. Department of Education and National Science Foundation technology grants. We know how to manage them to not only ensure that the programs are implemented, but that they will grow. The community centers that have joined this project began in 1994 as Tincan first public access sites, now grown to robust public computer centers. Our second TOP grant focused on business development and led to not only an ongoing program to help small businesses get online, but to our very successful drop out prevention program based on an innovative e-commerce curriculum. The final TOP grant was to start a “virtual teen center” with activities to engage at-risk youth. This project has grown to serving over 600 teens a year, leveraging millions of dollars in public and private funds. We know how to do sustainability.

The SBTA project stands on a strong foundation of existing partnerships. We did not come together solely for this proposal – we have been working together for over 15 years. Given that strong base, we could start many project activities immediately, offering some training using our laptop lab while new computers are purchased and connectivity enhanced. Several programs have asked for video classes this fall; the drop out prevention program is in high demand, the Perry Street business association wants Internet training for members. Because strong management is essential for a partnership, we have proposed a number of means of coordinating partner activities from monthly meetings to an SBTA partner email list that will help bring up new ideas for training and services and troubleshoot issues as they arise. It has been our experience that successful implementation requires ongoing communication.

40. Organizational Chart.

Please refer to upload section at the end of document.



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

Submitted Date: 8/14/2009 3:55:04 PM	Easygrants ID: 899
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Tincan
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Karen Michaelson

Community Involvement

41. Key Partners

SBTA is a collaborative effort between multiple partners, organizations that we have assisted in establishing public access computing and through whom we have offered Internet and interactive media training. Over the past few years, our partners have asked us to expand the capacity of their public computer centers so that they can serve more of Spokane’s most vulnerable populations. We have promised to help them; this project fulfills that pledge. All projects will provide staff to be trained to support the centers and will join in publicizing the project.

City of Spokane (G Brakel Director MIS 509-625-6460) will provide project management/technical expertise for installation of the public computer centers at the library and community centers. They will print and distribute flyers in utility bills that publicize the availability of computer centers and training

Spokane Public Library (P Partovi, Director 509-444-5300) will update public computer centers at the main library and five branches and provide free basic Internet training to users. These centers will be sites for Tincan training.

The community centers will expand and upgrade their public computer centers, which will be sites for Tincan training for a variety of vulnerable populations and neighborhood businesses. East Central Community Center D Jackson Director 509-625-6699.

Northeast Community Center J Farmer Executive Director 509-487-1603

West Central Community Center R Harris, Program Director 509-326-9540

Peaceful Valley Community Center M Reilly Director 509-624-8634

YWCA (P Montague Ed. Svs. Manager 509-326-1190) will expand their public computer center, which will be a site for Tincan training for teens, victims of domestic violence and other vulnerable populations.

YMCA (C Brischle Teen Program Director 509-838-3577) will expand their public computer center which will be a site for Tincan training particularly in video and video game development for teens and families.

Volunteers of America (E Rice-Sauer Dev Dir 509-624-2378) will establish a mobile computer center to take to sites for homeless veterans, teen moms, and other vulnerable populations.

Contract-Based Education (C Penberthy Principal 509-927-1100) will expand their public computer center which will be a site for Tincan training for teens and families.



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

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Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Tincan	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Karen Michaelson	

Crosswalk (K Jernberg Educator 509-533-7193) will establish a public computer center will be a site for Tincan training particularly in video, video game development and drop out prevention for homeless teens.

Martin Luther King Jr Family Outreach Center (R Heitman Executive Director 509-455-8722) will establish a public computer center will be a site for Tincan training for low-income families.

Spokane Neighborhood Action Programs (Kerri Rodkey Director 509-456-7164) will provide small business referrals for training.

42. Partnering with Disadvantaged Businesses

While we have not established a specific contract with a disadvantaged business, this project has an active program to serve small and disadvantaged businesses. The SNAP small business development program will refer businesses to the SBTA. As a private, non-profit Community Action Agency since 1966, SNAP's goal is to help families and individuals transition from crisis to self-sufficiency, building new and healthy futures. SNAP's economic development teams work with low-to-moderate income people who are ready to move towards permanent economic change and growth. Their business development program offers training, business counseling, and small loans. SNAP has identified training needs from how to sell on the Internet to using social media to promote business viability, using Google apps, and developing and maintaining simple web pages. We already have relationship with the business associations in the city's low-income neighborhoods, and they will also help us identify businesses needing training and topics pertinent to their communities.

Ability to Start Promptly & Timeline

43. Project Timeline and Challenges

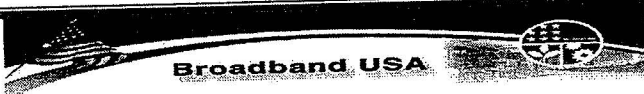
- 2009 Finalize contracts with partner organizations
- Nov Review technology needs
- Review initial training plan
- First project partner meeting before end of month. Monthly thereafter
- Dec City finalizes connectivity plan, equipment needs for community centers and libraries
- Order community organization equipment
- 2010 Install equipment at MLK,
- Jan Grand opening MLK



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

Submitted Date: 8/14/2009 3:55:04 PM		Easygrants ID: 899	
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Tincan	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Karen Michaelson	

- Begin limited training using Tincan mobile lab, including video, basic searching, drop out prevention
- Feb City orders equipment, schedules fiber connectivity installation at each facility
- Install equipment at YMCA, Crosswalk, VOA
- Grand opening YMCA
- Crosswalk and VOA announce new computers and programs, schedule tours, begin constituent training
- Finalize Tincan's network layout
- Order Tincan equipment
- Mar Install YWCA equipment
- Grand opening YWCA
- City begins cabling in all facilities to prepare for equipment installation
- East Central Community Center Equipment installed
- Apr Install Tincan equipment
- Install CBE equipment
- Grand opening CBE
- Referrals from SNAP and small business training begin
- East Central Community Center Grand opening (connectivity completed prior to grant).
- May Tincan grand opening
- Begin training in Tincan facility
- Jun Summer camps and workshops
- Install branch library equipment
- July Summer camps and workshops
- Install branch library equipment
- Install West Central Community Center equipment
- Aug Summer camps and workshops
- Install branch library equipment
- West Central Community Center grand opening
- Sept Install Peaceful Valley Community Center
- Tincan begins on-site training at partner organizations using their own facilities
- Oct Peaceful Valley Community Center Grand opening
- Branch libraries grand openings
- Nov Branch libraries grand openings
- Dec Branch libraries grand openings



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

Submitted Date: 8/14/2009 3:55:04 PM		Easygrants ID: 899
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Tincan
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Karen Michaelson

- 2011 Install Northeast Community Center equipment
- Jan Begin training partner support staff in curriculum and support issues
- Feb Partner staff training in serving people with disabilities
- Mar Northeast Community Center Grand opening
- Apr Continue partner staff training
Continue workshops and training for public
- May Continue partner staff training
Continue workshops and training for public
- June Summer camps and workshops
- July Summer camps and workshops
- Aug Summer camps and workshops
- Sept Continue partner staff training
Continue workshops and training for public
Review future training and support needs
- Oct Continue workshops and training for public
Review future training and support needs

There are two major challenges that face this project. First is delay in equipment delivery. Using known suppliers and allowing ample delivery times can meet that challenge. The second is staff turnover. We will put training materials online so that new staff can become current on project-necessary skills.

44. Non-Infrastructure Projects - Licenses and Regulatory Approvals

The SBTA project does not anticipate the need for any permits or licenses in relationship to this project. To allow for rapid deployment of the public computer centers, the Alliance determined that the most time and cost effective process was to focus only on those facilities which are currently capable of hosting public computers centers without extensive construction or the need for new permits – a process that can significantly add to the time it takes to implement a project. All of the centers, even those that are being newly created, are existing structures that will not be modified for this project. Fire and safety permits are in place for these facilities. The community centers and libraries are city-owned facilities whose connectivity will be upgraded through the existing metropolitan area network which will not require additional permitting. In reviewing the project activities, the city indicated that additional permits will not be needed for any of the centers. Licenses, other than software licenses, which will be purchased, are also not needed.



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

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Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Tincan	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Karen Michaelson	

45. Legal Opinion.

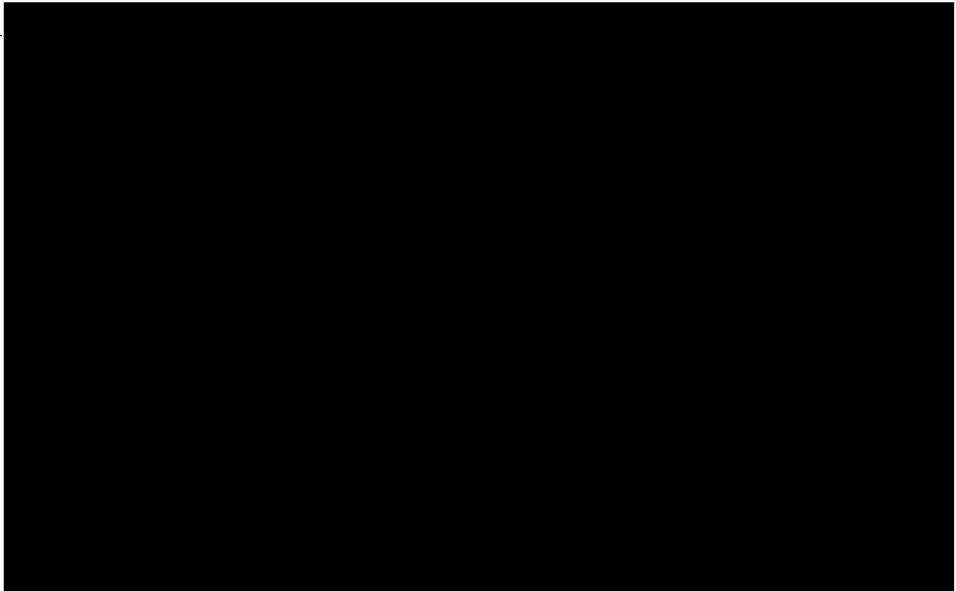
Please refer to upload section at the end of document.

G. Project Budget & Sustainability

Project Profile: Budget and Budget Narrative

46. Budget Narrative

PERSONNEL req Y1 match Y1 req Y2 match Y2



TOTAL PERSONNEL			89,602	92,290
FRINGE	6	22,401	23,073	
EQUIPMENT				
Tincan PCC				
36 iMac 3.06GHz @2375	7		85,497	
2 HP printer/scanners @ \$270			540	
36 PlantronicsMM headset @ 31 8			1,116	
LanSchool	9	600		
Deep Freeze	10	1,138		
36 Windows @\$150		5,400		



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Public Computer Centers Program – Sustainable Adoption Program**

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Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Tincan	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Karen Michaelson	

36 Creative Suite @ \$1,000	11	36,000		
36 Final Cut Express @ \$200	12	7,200		
36 MS Office @450		16,200		
10 MMF 10 seat @ \$400	13	2,000	2,000	
cabling and switches		1,000		
2 video packages @ 4742	14	9,484		
Non-profit PCCs (6)				
6 Desktop iMacs @2375	15	14,250		
14 Dell E550 15" laptops@1836	16	25,704		
14 Mac 15" laptops @ 1999	17	27,986		
22 headsets for all computers@31		1,023		
2 printers @ 170		540		
4 video kits packages @ 4742	18	18,968		
CBE thinclient hub	19	2,700		
6 Deep Freeze		6,828		
Broadband connection @600/yr x 6		3,600		3,600
35 Adobe Creative Suite4@1000	20	35,000		
32 MS Office @ \$450	21	14,400		
6 MMF 10 seat licenses	22	1,200	1,200	
11 Linksys WirelessRouters@75	23	825		
TOTAL EQUIPMENT		315,599	6,800	3,600
SUPPLIES				
Instructional supplies tapes,				
DVDs paper, ink @500/mo	6,000		6,000	
CONTACTUAL				
City of Spokane				
city management staff	24	5,000		5,000
Library. D VanMeter 100 hours	24	4,300		4,300
Technical support	25			
Design and install of networks/equipment		5,000		
S Sipe, design engineer		3,500		
Stafftime for install ofcomputers@\$100/comp	17,500			
Connection to MAN for 5 Lib	26	137,084	20,000	
3 community centers				
ECCC connection to MAN	26	53,905		



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

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Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption		Applicant Organization: Tincan	
Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Karen Michaelson	

FiberTermination 1608/facility	27	12,848		
Cisco network components for each facility @ \$6045	28	48,360		
Network drop @ 250/PC		43,750		
Patch cables @ \$70/PC		12,320		
Internet access @100/PC	29		176,000	176,000
Maintenance chargebacks @450/PC	30		78,750	78,750
Center equipment				
76 PCs Dell OptiPlex 760 @1098	31	83,448		
15 PC laptops/Peaceful V.@1836		27,540		
91 headsets @31/PC		2,821		
11 printer/scanners @ 270	32	2,970		
13 video packages @4742	33	61,646		
131 CreativeSuite \$1000	34	131,000		
91 MS office @ \$450	35	40,950		
18 MMF 10 seat licenses@400	36	3,600	3,600	
4 Deep Freeze @1138		4,552		
7 Epson Multimedia Proj@759	37	5,313		
LinkSys router for PVCC		75		
Library PCs and peripherals	38		110,000	
TOTAL CONTRACTUAL		618,277	477,555	264,050
OTHER				
New DSL for Tincan lab @ 52/mo			624	624
Comm costs (phone, postage)	1,200		1,200	
Printing	2,000		2,000	
TOTAL OTHER		3,200	624	3,200
DIRECT COSTS		1,055,079	484,979	124,563
INDIRECT COSTS		80,415	23,667	268,274
TOTAL BUDGET		1,135,494	484,979	48,230

Matching funds for this project come from several sources and include both cash and in-kind. The amount of matching funds identified through agreements with partner organizations is \$753,253 for a 37% match. \$130,000 is cash, the remainder is in-kind. Sources of matching funds include City of Spokane: \$599405 in-kind; Spokane Public Library: \$130,000 cash, \$8600 in-kind; Click Team: \$6800 in-kind, Tincan \$1248 in-kind; community partners \$7200 in-kind.



**Broadband Technology Opportunities Program
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Submitted Date: 8/14/2009 3:55:04 PM	Easygrants ID: 899
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Tincan
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Karen Michaelson

47. Non-Infrastructure Projects - Budget Reasonableness

- 1 Staff are primarily management/technical with some of training. More training is included in our SA proposal
- 2 Neumann will provide support for community organizations
- 3 Durrant will track data to document outcomes
- 4 O’Leary will install/maintain equipment for Tincan and community partners
- 5 The individuals listed below are trainers
- 6 Fringe benefits include employment taxes, retirement and cafeteria plan
- 7 iMacs use Windows and MacOS, saving the cost of duplicate computers. All equipment and software costs include 8.6% sales tax
- 8 Every computer will have a headset to reduce center noise levels and ensure privacy
- 9 LanSchool classroom management software allows the instructor to see/manage trainee computers
- 10 Deep Freeze protects workstation configurations from damage
- 11 Adobe CreativeSuite provides graphics, video editing and web development
- 12 FinalCut Express will be installed on Tincan’s training computers to provide professional editing software for advanced video classes
- 13 MultiMedia Fusion is video game development software for classroom use. ClickTeam will donate one package for each package purchased
- 14 The video package consists of 4 Canon HV40 camcorders, shotgun microphone, boom pole and shock mount, cables and batteries, 4 tripods, 4 audio interfaces, camera bag
- 15 6 desktop iMacs=2 YWCA, 3 YMCA, 1 CBE
- 16 14 Dell Laptops=5 VOA, 4 Crosswalk, 5 MLK
- 17 14 MacPro 15” laptops=5 VOA, 4 Crosswalk, 5 MLK
- 18 1 package each will go to Crosswalk, MLK, VOA and YMCA. The other organizations have video packages
- 19 CBE thinclient hub consists of 6 thinclient workstations, a Windows server, Windows server software and a terminal server
- 20 CreativeSuite will be on all computers purchased
- 21 33 MS Office will be for all computers except CBE which has its own license
- 22 6 MMF software licenses=10 seat license for each center.
- 23 11 LinkSys wireless routers=13 VOA, 1 for MLK
- 24 Management costs will be donated by the city and library



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

Submitted Date: 8/14/2009 3:55:04 PM	Easygrants ID: 899
Funding Opportunity: Public Computer Centers and Sustainable Broadband Adoption	Applicant Organization: Tincan
Task: Submit Application - Non-Infrastructure Programs	Applicant Name: Karen Michaelson

- 25 Technical support includes design/installation
- 26 The overall cost of the connection to the city's MAN for 5 library branches/3 community centers. The city contributed ECCC connectivity
- 27 Includes termination of the circuit, racks, patch panels etc. in each facility
- 28 Network components include Cisco Catalyst 3750 24 Port Standard Image, SMARTNET maintenance, Cisco GE SFP, LC Connector LX/LH Transceiver and duplex Patch cables
- 29/30 City will not charge for network/Internet access (100/computer) or maintenance (450/computer)
- 31 76 desktop PCs=20 ECCC, 11 WCCC, 40 NECC, 5 PVCC
- 32 11 printers=1 ECCC, 1 WCCC,8 NECC,1 PVCC
- 33 13 video packages=1 ECCC, 1 WCCC, 4 NECC,1 PVCC, 1 for each library site
- 54 131 Creative Suite software=all community center computers+1/2 library computers
- 35 91 MS Office=all community center computers
- 36 18 MMF 10 seat licenses for video game development=2 ECCC,1 WCCC, 2 NECC, 1 PVCC, 12 for libraries
- 37 7 multimedia projectors=1 ECCC, 1 WCCC, 4 NECC, 1 PVCC

48. Demonstration of Financial Need

The SBTA project, while much needed, could not be carried out in the proposed timeline without the requested funds. Each partner has identified their financial need and their attempts to meet that need. Tincan, for example, is largely grant funded. While we have been very successful in obtaining grant funds, these dollars are project specific and are intended to carry out specific activities rather than improve our capacity to develop and expand programs. We add to our equipment somewhat with each grant, but are unable to create the public access learning space that we need. The Spokane Public Library operates on a limited budget that has been cut repeatedly for the last several years. The library is funded 97% by the City of Spokane's general fund and 3% from fines, fees and contributions. There is no money in the annual budget for broadband access improvements, nor is there anticipated to be funding in the future. The library does have a small capital reserve account but the money is needed for emergencies and upcoming expenses. This reserve was created by the sale of property and there is no way to replenish the reserve account. The library applied successfully for a Bill and Melinda Gates Foundation grant to replace aging computers, but the grant does not provide funds to enhance the connectivity that will make the new computers really usable, nor does it provide for training. The community centers and the City of Spokane are suffering from similar



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

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Task: Submit Application - Non-Infrastructure Programs		Applicant Name: Karen Michaelson	

financial constraints, particularly in the current economy. The city has managed to upgrade connectivity at one community center, but has no funds for the computers themselves, or to offer training. Budget cuts mean that community center upgrades will not occur in a timely manner, if at all. The community organizations that are partnering on this grant have similar financial constraints. Their funds are earmarked for direct services, with no excess that might be used for much needed public access computers. Tincan has assisted the community organizations by making our laptop lab available for training, but we are limited in the numbers we can serve and the times that the lab is available. Without this funding, the SBTA will be a set of good intentions without the financial resources to make public access happen.

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

Tincan has a strong track record of sustaining and growing programs started with grant funds. The community centers we are working with in this proposal began their public access computing presence through Tincan's first NTIA grant; the curricula have been built on our experience with other grant programs. Our training has grown and evolved to meet the challenges of new technologies.

This project has sustainability built into it not only by participant track record, but also by specific mechanisms designed for continuity. The participating organizations are not new. Each has a record of continuous service to the community. The project is not seeking substantial operating costs. Management costs are being contributed, or are minimized to reflect only the direct need to track outcomes and manage program functions. Each partnering organization is assuming their own operating costs by donating the time of staff to be trained to support their computer center. This ensures that there will be staff available beyond the scope of the grant period to support the centers and carry out training. We have deliberately structured the proposal to reduce ongoing costs. For example, once the libraries and community centers are connected to the City's fiber optic network, there will be no monthly recurring costs. The only ongoing costs will be to maintain the equipment connected to the fiber since the City will cover the cost to maintain the fiber itself. This will be a significant savings for these organizations



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over time. The only cost that will continue beyond the grant period is the more specialized training that Tincan will offer at its own public computer center and partner sites. However, Tincan has a track record of leveraging new state and federal funds for training activities, as well as private funds to develop new technology programs. We anticipate that we will continue to leverage funding after the project as we have in the past.

51 - B. Sustainable Broadband Adoption Sustainability

Project Profile: Outside Leverage

51. Matching Funds.

Please refer to upload section at the end of document.

52. Unjust Enrichment

Tincan, and all of the partners in the SBTA project are not receiving nor have they requested Federal support for non-recurring costs in our identified service area.

53. Disclosure of Federal and/or State Funding Sources

Tincan and the other participants have not received or requested Federal or State funds for activities or projects to which this project relates.

54. Buy American.

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

Buy American Waiver Request Explanation

H. DOC Environmental Checklist

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



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

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I. Compliance and Certification

56. Certification and signature.

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



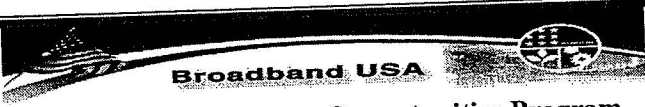
**Broadband Technology Opportunities Program
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Uploads

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
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
12. SF-424A Budget Information Non-Construction**
15. SF-424D Assurances - Construction Programs
17. Legal Opinion*



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

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18. Authentication*
19. Supplemental Information 1

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

Karen L. Michaelson, Ph.D.

Professional Preparation :

University of Miami History B.A. 1966
University of Wisconsin-Madison South Asian Studies M.A. '1968
University of Wisconsin-Madison Anthropology Ph.D.'1973
University of Washington Distance Learning Design & Dev. Certificate 2000

Recent Appointments:

1999+ Executive Director, Tincan
1995-99 Director, Center for Technology, Education, and the Community, Eastern Washington University
1991-95 Associate Vice Provost for Research, Eastern Washington University

Relevant Projects

2008-09 Tincan Game Academy, LEGO Foundation
2008-09 High School Success Drop Out Prevention, AT&T Foundation
2008-09 EMerge Neighborhood News, Washington State Community Technology Opportunity Program
2008-09 SubVERSive, Inland Northwest Community Foundation
2008-11 Science Journalism Pathways to STEM Careers, National Science Foundation – ITEST
2007-09 Northeast Washington Business Development Network, U.S. Department of Agriculture
2007-09 Strengthening Tincan's Virtual Teen Center. Paul G. Allen Family Foundation
2007 Raw Prejudice: Spoken Word and Video Image Expressions (SubVERSive). Starbucks Foundation
2006-07 VOTC Voices, Bill and Melinda Gates Foundation
2005-06 Garland Voices. Foundation Northwest
2004-09 Rural Schools Science and Information Technology. National Science Foundation – ITEST
2004-08 Women in Biotechnology and Information Technology, U.S. Department of Education Women's Educational Equity Act Program
2003-06 Virtual Online Teen Center US Department of Commerce TOP
2003-06 Spokane CTC Project, US Department of Education
2001-03 TINCAN Project: Community Training Initiative. Bill and Melinda Gates Foundation
1998-2002 Community Science Online Hitachi Foundation
1998-2002 Rural Schools, Careers, and Community Development Department of Agriculture Information Infrastructure, "
1997-2001 TINCAN Community Entrepreneurship and Employability Project TOP Dept of Commerce
1997-2002 1 Using Electronic Networks To Support History and Language Arts NEH
1996-99 Public Voices Yesterday and Today: The TINCAN Civic Discourse Project Corporation for Public Broadcasting
1994-97 The Inland Northwest Community Network: A Collaborative Model for Cost-Effective Regional Access" NTIA-Commerce
1994-95 Department of Agriculture "Distance Learning and Medical Link Program

Garvin Brakel is currently the Director of Management Information Services for the City of Spokane, Washington. In this capacity, he supervises a staff of 55 information technology professionals supporting the hardware, software, network, and communications requirements of over 2000 municipal government employees distributed over 60 sites. Mr. Brakel is a retired U.S. Army officer who served in a mix of infantry and information technology assignments within the Army and Joint Commands during his military career. Upon retirement, he served as the Manager of Information Technology at the Spokane Public Library for five years before assuming his current position in 1998. He has over 30 years' experience in design, installation and operation of successful information technology projects. Mr. Brakel has a BS in Computer Science from the University of Southern Mississippi, and an MS in Systems Management from the University of Southern California.

Tara Neumann is Tincan's Assistant Director, responsible for community outreach and partner liaison. She holds a BSED in Secondary Education and a M.ED in Educational Technology. Prior to becoming Assistant Director, she was Tincan's Director of teen programs where she managed several grant programs and developed curriculum for community implementation.

Dennis VanMeter is currently the Information Technology Manager for Spokane Public Library. In this capacity, he supervises a staff of 3 information technology professionals supporting the hardware, software, network, and communications requirements for the six Spokane city libraries. Mr. VanMeter served a six year enlistment in the U.S. Navy before earning a Bachelor of Science in Computer Science from Eastern Washington University in 1996. While completing his education, he served as Tincan's system administrator, which was then a student position. Shortly after graduating from EWU, Mr. VanMeter began his employment with Spokane Public Library as a computer technician. He was promoted to his current position as IT Manager when this position was vacated by Garv Brakel in 1998.

Elisha Durrant is Tincan's Research Associate, managing evaluation data collection and project operations. She has her B.A. in History and Anthropology, Museum Studies from Central Washington University. She came to Tincan as an Americorps VISTA member. She also serves as the Director of Tincan's online history project, the Inland Northwest Memories Project. Ms Durrant has experience working in a variety of museums and has developed both teacher training and intergenerational programs for Tincan.

Jim O'Leary is Tincan's system administrator. He provides technical support to Tincan's end users and partnering agencies. And is responsible for recommending equipment purchases and trouble shooting both end user equipment and Tincan's three servers. He is a Microsoft Certified Systems Engineer. Jim came to Tincan many years ago as an AmeriCorps VISTA member. Before coming to TINCAN, Jim provided technical support for a Microsoft outsource partners and did volunteer work for local non profit organizations.

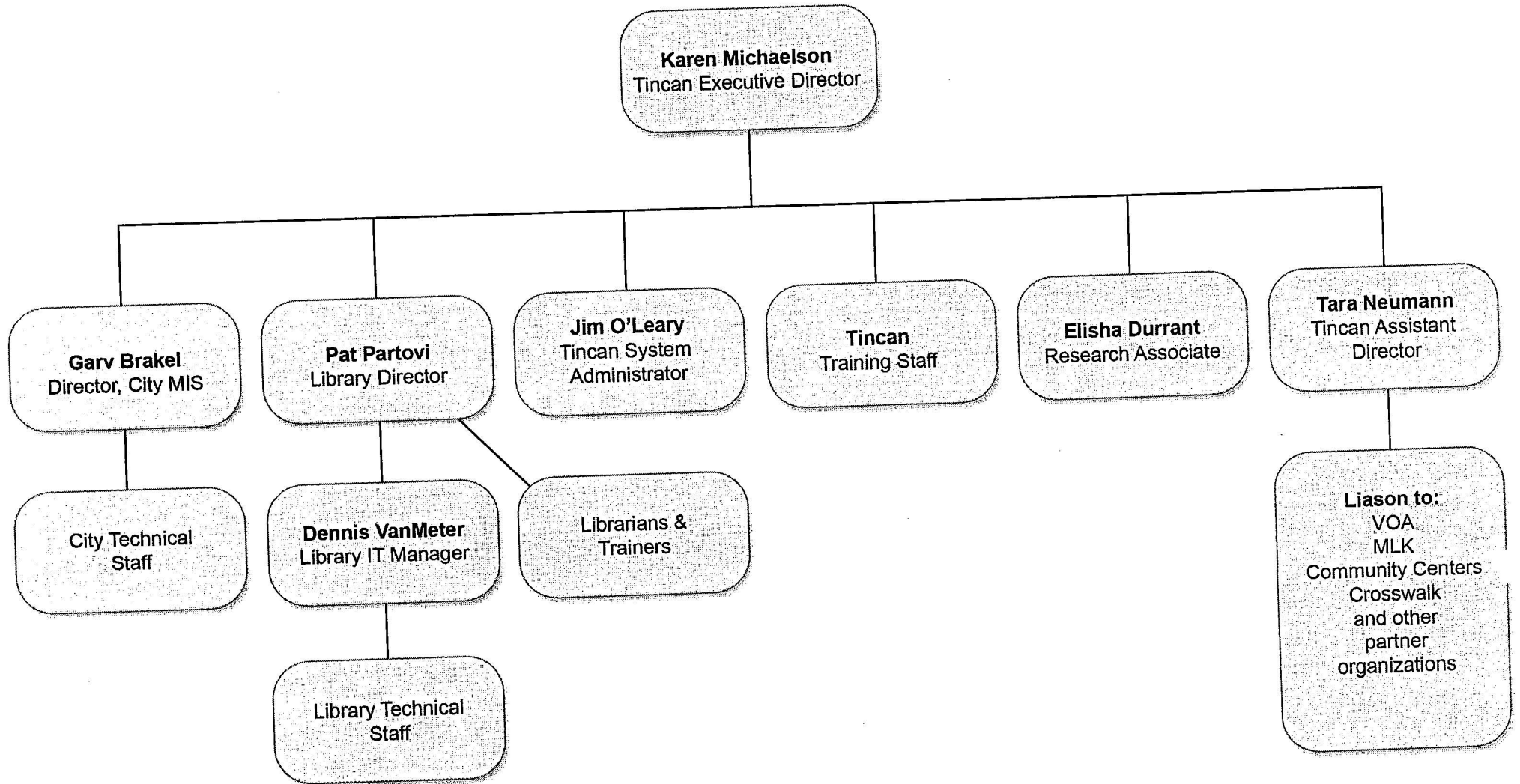
Scott Stipe is currently in charge of the wireless and the physical infrastructure for the City of Spokane, Washington. In this capacity, he designs, engineers, and project manages the installation of the inside and outside wireless, conduits, fiber optics, security cameras, and copper, for the support of the communication requirements of over 2,000 municipal government employees distributed over 60 sites (including multiple city, county, and state public safety agencies). Mr. Stipe started his career in 1988 after earning an Associate in Electronic Engineering and has been employed at the City of Spokane since 2002. From 1988 to 1998 he was employed by Cellular One as a cell site technician. From 1999 to 2002 he was employed by Davis inc. managing the installation of Cell Sites across 4 western states. He has advanced his networking skills by attaining a RCDD (Registered Communication Distribution Designer) designation and attending a CCNA course. Prior to his career in Information Technologies Mr. Stipe was employed in the Aviation field earning his Commercial instructor license for helicopters.

Michael A. Sloon is currently the Assistant Director of Management Information Services for the City of Spokane, Washington. In this capacity, he supervises a staff of 55 information technology professionals supporting the hardware, software, network, and communications requirements of over 2000 municipal government employees distributed over 60 sites. Mr. Sloon began his career with GTE Data Services in 1979 and spent 12 years supporting Data Center Operations and National Quality Control Testing through-out the United States. In 1995 Mr. Sloon received a B.S. in Accounting and began working for the Yakima County Auditor as an accountant. Two years later he returned to the IT profession as a Systems Analyst for Yakima County. For the past nine years he served as the Senior Manager of Yakima County Technology Services managing a staff of 24 IT professionals.

John Walters is currently a Senior Analyst in the Network group for Management Information Services for the City of Spokane. In this capacity, he is supporting the hardware, software, network, and communications requirements of over 2000 municipal government employees distributed over 60 sites. Mr. Walters began his carrier in 1973 with a small upstart company developing Medical Electronics related to Diagnostic Ultrasound that became a Johnson & Johnson family company not long after his departure. In 1977 Mr. Walters began a career that encompasses a span of 28 years in the Telecommunications Interconnect industry with Private Branch Exchange (PBX) companies that include Rolm Corporation, IBM & Siemens Corporation. In 1998 Mr. Walters was hired by the City of Spokane as a Telecommunications Coordinator to provide support for the Voice systems hardware and software. In 2005 the City of Spokane implemented a VoIP system and Mr. Walters currently provides support for those systems.

Rex Franklin is currently a Network Analyst for the City of Spokane, Washington. In this capacity, he supports the requirements for Cisco Systems hardware, network, voice, video, and communication requirements of over 2,000 municipal government employees distributed over 60 sites (including multiply city, county, and state public safety agencies). Mr. Franklin began his career in 1997 after earning an AAS Network Engineer from Spokane Community College and has been employed at the City of Spokane since 2001. From 1997 to 2001 he was employed as a Network Technician at North Idaho College, and Network Engineer at Itron - majoring in Cisco VoIP Systems, NEC, Lucent Technologies Definity G3 PBX's. He has advanced his networking skills by attaining Cisco Career Certification (CCNA), and NetScout Certification (NCP).

Spokane Broadband Technology Alliance



ation

er my support of Tincan's application to the
chnology Alliance: Public Computer
ustainable Adoption programs. I want to
Tincan, in support of this program.

including the Spokane Public Library
rogram, the City will purchase computers
s. We will provide Internet access at these
ese centers for use primarily by the public

iters. We understand that Tincan will
ublic computer centers to help increase
mmunity. The City will develop a
re of the new services offered in these
ormation regarding this campaign will be the

community centers. The City of Spokane
partment of Commerce, and looks forward to
er public access and broadband usage.

Computer Centers and Spokane Bureau
programs.

The library has provided public access c
are actively used.

We have been fortunate in receiving a g
to upgrade our public access computers
computers have been purchased and in
purchased and installed in 2010.

Despite our new computers, broadband
Internet use, such as streaming video ar
worsen when we bring more computers
proposals is to upgrade our broadband c
partnership with Tincan.

Our commitment to this broadband proje
toward upgrading broadband connectivi
with funds from the Gates grant and priv
\$110,000; staff time for support of comp
an in-kind contribution of \$ 70,000; ar
training opportunities to the general pub

We understand that Tincan will provide l
social media, for users of these public c
awareness of the uses of broadband in :

The Spokane Public Library enthusiastic
Department of Commerce, and looks for
to support greater public access and br

as opportunities for collaboration with interests with libraries.

g that connect individuals in their

sources are increasingly available in a rted access to the Internet through local on and resources, especially for those

ugh training in essential information-ery day to help them develop the skills

digital divide providing equal access to ties.

unparalleled opportunity for libraries to served" communities across Washington

id communities will be better served by stimulus funding.

rary Council of Washington supports nerce National Telecommunications and epartment of Agriculture Rural Utilities

Public Computer Centers and Spokane Broad programs. Peaceful Valley Community Cen changing neighborhood, with many resident currently provide minimal access to public c provide training to meet the needs of our res

Our commitment to these projects includes:


- Providing secure space for computers an
- Providing space for training groups in a
- Assigning at least a half time individual center;
- Publicizing availability of the compute.
- Encouraging staff to participate in traini
- Providing broadband connectivity in the user needs.

We understand that Tincan will:

- Purchase computers, peripherals, and so we serve. The technology will become tl be dedicated to public computer center u
- Assist in installation of the public comp needed;
- Provide training for staff and volunte maintenance and troubleshooting, and st media, etc., so that staff can continue to
- Provide for training the members of the production, and other topics;
- Provide training for neighborhood busin web pages, social media and other busin
- Increase the awareness of the public abo the benefits of broadband connectivity;
- Provide information to individuals and t

and low cost broadband connectivity.

Please feel free to contact me if you need fur


Richard Heitman, Executive Director

Center's letter of support and commitment
ence for the Spokane Broadband
Spokane Broadband Technology Alliance:
King Jr. Family Outreach Center serves one
Our teens have attended Tincan media
establish that training on site. The computer
children in our early childhood center as they

erals;
of Internet and interactive media topics;
manage and provide support for the
and opportunities for training;
increase the sustainability of the center;
that is adequate to meet training and public

and need. Our current computer center is technology
Internet. We are particularly in need of up-to-date
ing that will engage them.

and interactive media topics;
and provide support for the computer center;
unities for training;
sustainability of the center;
quate to meet training and public user needs.

identified needs of the public that we serve. The
Community Center, to be dedicated to public computer

puters, peripherals, and software, if needed;
c Internet training, computer maintenance and
roduction, social media, etc., so that staff can continue

computer use, social media, video production, and other

on the Internet, developing effective web pages, social

y of the public computer center and the benefits of

the way they can obtain discounted and low cost

8-5-09

Expansion Campaign

Tony Bonanzino
Ryland "Skip" Davis
Scott Morris
Heidi Stanley
Chud Wendle

Board of Directors

Tony Bonanzino
Sean Bresnahan
Ann Carey
Mike Church
Bill Duffy
Pete Fortin
Mary Gaddy
Paul Hamilton
Jim Ingebritsen
Joyce Jones
Joyce McNamee
Joe Ormsby
Deborah Shackley
Barbara Stout
Renee Taylor
Kevin Walstrom

August 7, 2009

This is the Northeast Community C
application to the Department of C
Computer Centers and Spokane Br
Northeast Community Center has h
community public technology. Nei
community center for health and ot
center's technology is so old it can
want training that will engage neig

Our commitment to these projects i

- Providing secure space for
- Providing space for training gr
- Assigning at least a half time i
- Publicizing availability of the
- Encouraging staff to participat
- Providing broadband connecti
needs.

We understand that Tincan will:

- Purchase computers, periphera
serve. The technology will bec
be dedicated to public comput
- Assist in installation of the
needed;
- Provide training for staff and v
and troubleshooting, and speci
staff can continue to support th
- Provide for training the membe
production, and other topics;
- Provide training for neighborh
pages, social media and other t
- Increase the awareness of the p
benefits of broadband connecti
- Provide information to individ

Our current computer center's technology access the Internet. Our community also youth to seniors.

als;
Internet and interactive media topics;
and provide support for the computer
opportunities for training;
ease the sustainability of the center;
it is adequate to meet training and public

meet the identified needs of the public that
y of East Central Community Center, to be

r's computers, peripherals, and software, if

ive basic Internet training, computer
training such as video production, social
re project;
basic computer use, social media, video

elling on the Internet, developing effective
f broadband;
availability of the public computer center and

expand the types of technology and media tr
available to them on a more regular basis. V
teens who are not resident in our shelter, but
access the Internet.

Our commitment to these projects includes:

- Providing secure space for computers an
- Providing space for training in a variety
- Assigning at least a half time FTE indivi
computer center;
- Publicizing availability of the computers
- Encouraging staff to participate in trainin
- Providing broadband connectivity in the
needs.

We understand that Tincan will:

- Purchase computers, peripherals, and soft
we serve. The technology will become th
public use;
- Assist in installation of the computers, p
- Provide training for staff and volunteers
maintenance and troubleshooting, and sp
media, etc., so that staff can continue to
- Provide for training the our constituents
production, and other topics;
- Increase the awareness of our constituen
benefits of broadband connectivity;
- Provide information to individuals about

broadband connectivity.

Please feel free to contact me if you need further information.

Sincerely,



Brian Dunlap
Dean of Students and
Dropout Prevention Coordinator
CBE Alternative Programs
West Valley School District
Spokane, Washington

Phone: 509-927-1100

Email: brian.dunlap@wvwsd.com

Web: www.wvwsd.com/Default.aspx?pageid=1

the support of Tincan's application to the
Technology Alliance: Public Computer
Sustainable Adoption programs. CBE
at risk high school students where we
focus on academic growth. Most of our
students are affected by poverty and other social ills.

and the opportunity for many of our students
to gain access to technology (see report
available at the Tincan web site). We look

We recently moved to a new facility that
has 100 computers and the Internet. We would
like to increase the sustainability of the center
because we estimate that only 55-70% of our

challenges:

- Lack of peripherals;
- Limited knowledge of Internet and interactive media topics;
- Limited support of the computer center;
- Limited training and opportunities for training;
- Limited funding to increase the sustainability of the center;
- Limited space that is adequate to meet training and

subjected to domestic abuse, and others.
training to our staff so that they can train

als;
Internet and interactive media topics;
and provide support for the computer

opportunities for training;
ase the sustainability of the center;
t is adequate to meet training and public

meet the identified needs of the public that
/ of the YWCA of Spokane, to be

's computers, peripherals, and software, if

ve basic Internet training, computer
training such as video production, social
e project;

basic computer use, social media, video

ilability of the public computer center and

about the way they can obtain discounted

computers and the Internet. More importantly, v
of our varied membership and engage them in pa

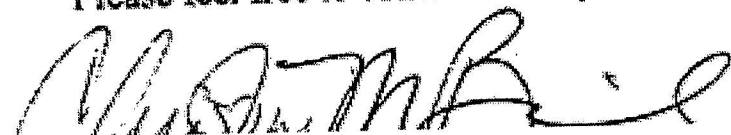
Our commitment to these projects includes:

- Providing secure space for computers and pe
- Providing space for training groups in a vari
- Assigning at least a half time individual to n
- Publicizing availability of the computer cent
- Encouraging staff to participate in training t
- Providing broadband connectivity in the cen
needs.

We understand that Tincan will:

- Purchase computers, peripherals, and softwa
serve. The technology will become the prop
dedicated to public computer center use;
- Assist in installation of the public computer
needed;
- Provide training for staff and volunteers on
maintenance and troubleshooting, and speci
etc., so that staff can continue to support the
- Provide for training the members of the
production, and other topics;
- Increase the awareness of the public about t
benefits of broadband connectivity;
- Provide information to individuals and busi
low cost broadband connectivity.

Please feel free to contact me if you need furthe



Technology Opportunities Program proposals, computer Centers, and Spokane. We enthusiastically welcome small business development program.

needs of low income people in Community Development Financial assistance and financing for low income people. We also provide valuable publications for the small business owners each year, financial planning, credit counseling

presence of TINCAN in training our clients, and other interactive media to teach our clients e-commerce, how to create a simple website to help our clients without adequate technology and technical assistance from our staff.

in your proposal. We look forward to

Department of Commerce for the Spokane and Spokane Broadband Technology Alliance: Su America serves some of Spokane's most vulnerable populations do not have easy access to broadband technology sites. We want to establish a mobile service at constituent sites on a regular basis for access and make it available in our downtown office for walk-in setting.

Our commitment to these projects includes:

- Providing secure space for computers and peripherals;
- Providing space for training groups in a variety of settings;
- Assigning at least a half time FTE individual to manage the center;
- Publicizing availability of the computers and services;
- Encouraging staff to participate in training to improve their skills;
- Providing broadband connectivity that is adequate for the needs of the center.

We understand that Tincan will:

- Purchase computers, peripherals, and software to support the center. The technology will become the property of the center for computer use;
- Assist in installation of the computers, peripherals, and software;
- Provide training for staff and volunteers on e-commerce, and troubleshooting, and specialized training to help our clients continue to support the project;
- Provide for training VOA constituents in basic computer skills and other topics;
- Increase the awareness of the public about the availability of broadband connectivity;
- Provide information to individuals and businesses about broadband connectivity.


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 NTIA for a waiver of the matching requirement or received a waiver.

Signature of authorized person  Date 8-12-09
Print name of authorized person Karen Michaelson
Title or position Executive Director

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:

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NAME OF APPLICANT

Lincan

AWARD NUMBER AND/OR PROJECT NAME

Spokane Broadband Technology Alliance

PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE

Karen Michaelson, Executive Director

SIGNATURE

[Handwritten Signature]

DATE

8-12-09

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.

8-12-09
(Date)


(Authorized Representative's Signature)

Karen Michaelson
Name:

Executive Director
Title:

ERIC M. STEVEN, P.S.

ATTORNEY AT LAW

July 24, 2009

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

Re: Legal Status of Tincan

Dear Sir:

I represent Tincan ("Applicant"), a Washington non-profit corporation, in its application for the Broadband Technology Opportunities Program. In such capacity, I acted as counsel to the Applicant in connection with its ability to apply to the Broadband Technology Opportunities Program and in the review of the grant agreement, as referenced in the Notice of Funds Availability.

I am of the opinion that:

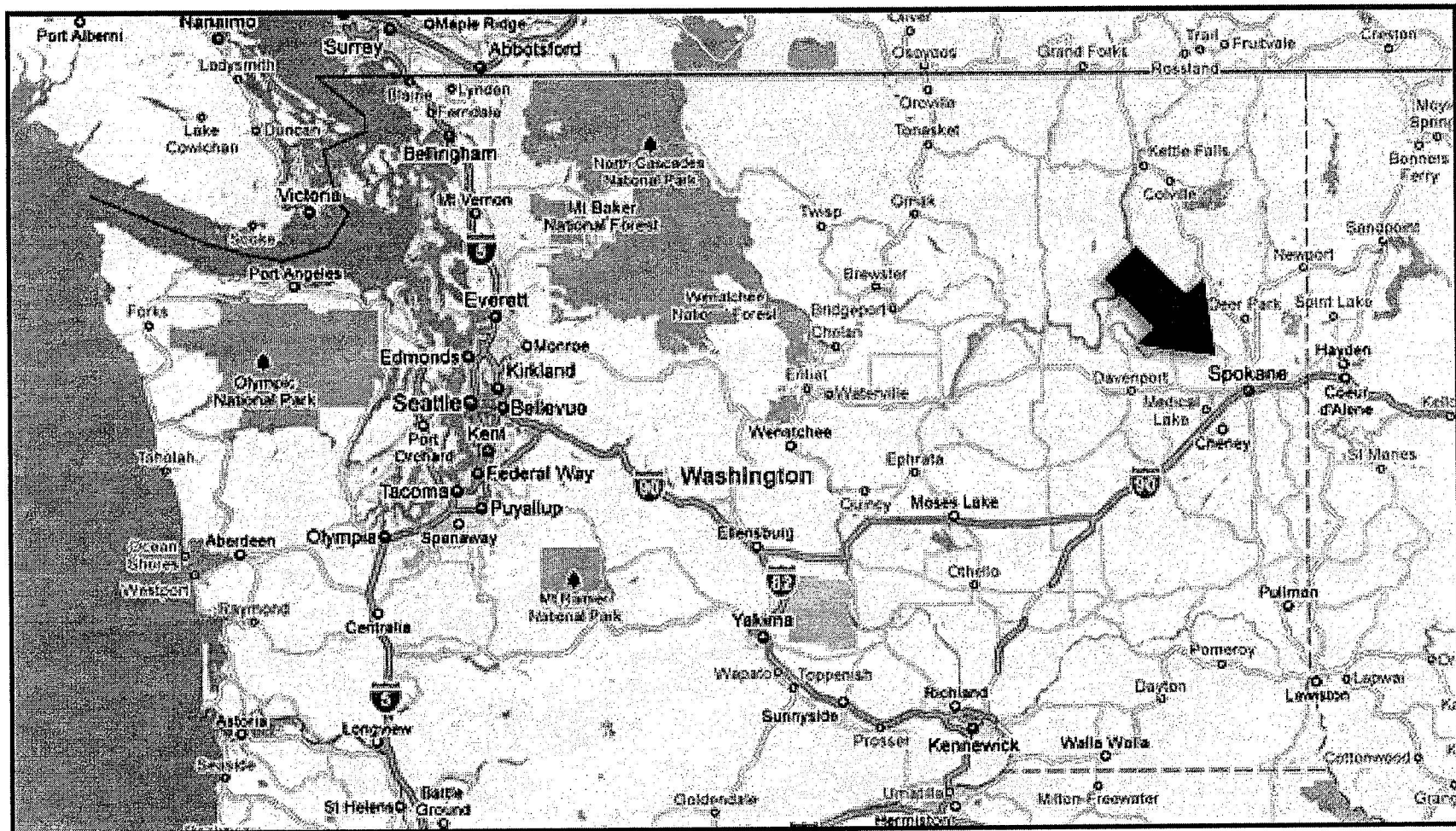
- (a) the Applicant is a duly licensed organized and existing corporation under the laws of the State of Washington;
- (b) the Applicant has corporate power: (1) to execute and deliver the agreement; and (2) to perform all acts required to be done by it under said agreement; and
- (c) no legal proceedings have been instituted or are pending against the Applicant, the outcome of which would adversely affect the Applicant's ability to perform the duties under the grant agreement, and there are no judgments against the Applicant which would adversely affect the Applicant's ability to perform its duties under the grant agreement.

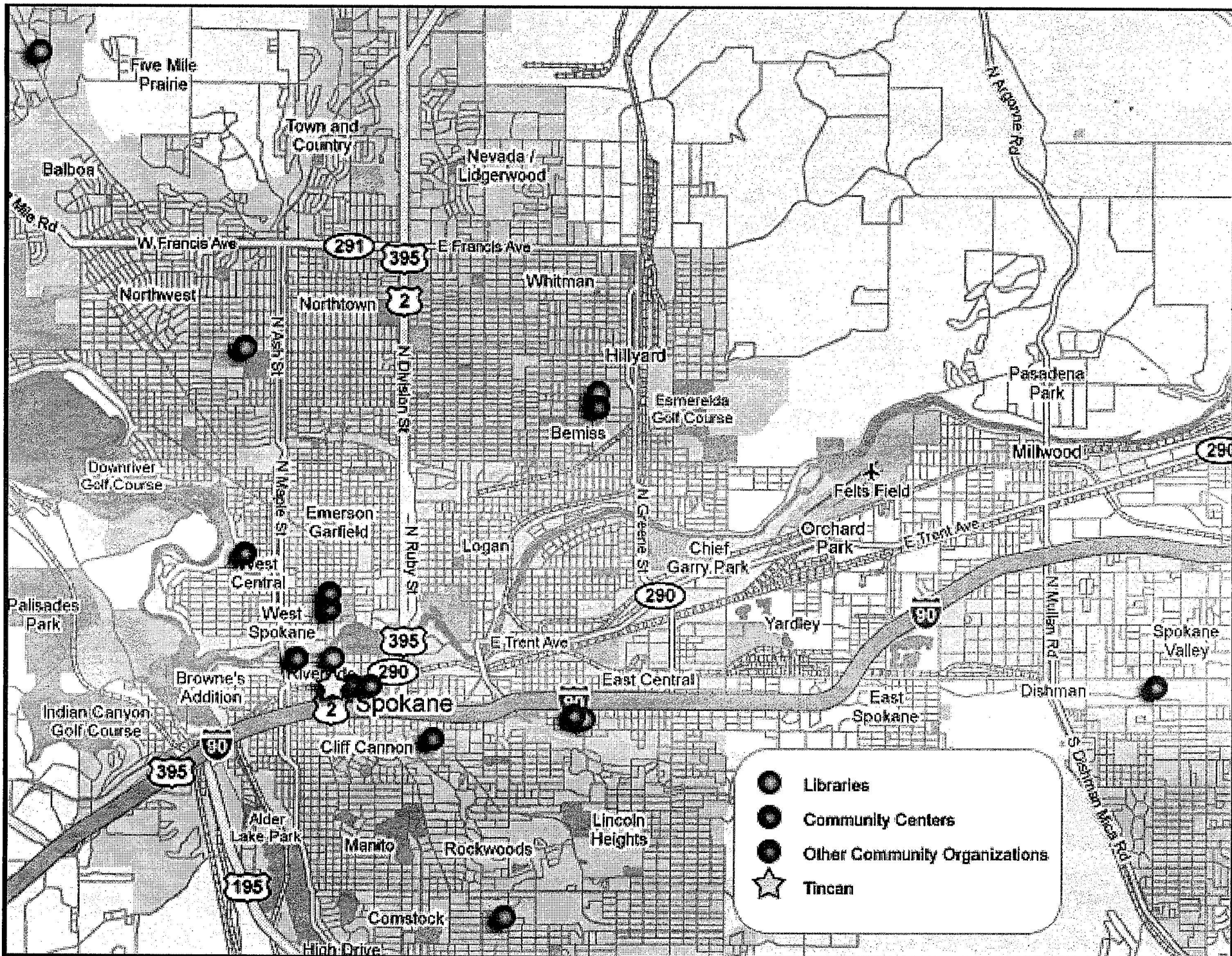
Very Truly Yours,



Eric M. Steven, P.S.

EMS/KJD





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 assurance. 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><i>Executive Director</i></p>
<p>* APPLICANT ORGANIZATION</p> <p><i>Tincan</i></p>	<p>* DATE SUBMITTED</p> <p><i>8-12-09</i></p>

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

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(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.

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NAME OF APPLICANT

Tincan

AWARD NUMBER AND/OR PROJECT NAME

Spokane Broadband Technology Alliance

PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE

Karen Michaelson, Executive Director

SIGNATURE

[Handwritten Signature]

DATE

8-12-09

CERTIFICATION REGARDING LOBBYING LOWER TIER COVERED TRANSACTIONS

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NAME OF APPLICANT

City of Spokane

AWARD NUMBER AND/OR PROJECT NAME

Spokane Broadband Technology Alliance

PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE

Garvin F. Brakel

SIGNATURE



DATE

August 10, 2009

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NAME OF APPLICANT

City of Spokane

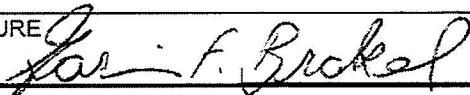
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Spokane Broadband Technology Alliance

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Garvin F. Brakel

SIGNATURE



DATE

August 10, 2009