Broadband USA

Broadband Non-Infrastructure Application
Submission to NTIA – Public Computer Centers

Submitted Date: 3/15/2010 4:41:23 PM	**Easygrants ID: 7020**
Funding Opportunity: Public Computer Centers	**Applicant Organization:** WIRELESS NEIGHBORHOODS
Task: Submit Application - Public Computer Centers	**Applicant Name:** Mr. Stephen G MacIsaac

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A. General Application Information

1. Applicant Information	
Name and Federal ID for Applicant	
DUNS Number	147201078
CCR # (CAGE)	5L1U6
Legal Business Name	WIRELESS NEIGHBORHOODS
Point of Contact (POC)	STEPHEN MACISAAC 4123631914 Ext. macisaac@wireless-neighborhoods.org
Alternate POC	DAVID SERBIN 4124146632 Ext. david.serbin@eastliberty.org
Electronic Business POC	STEPHEN MACISAAC 4123631914 Ext. macisaac@wireless-neighborhoods.org
Alternate Electronic Business POC	LACEY PERRETTA 4123631910 Ext. perretta@wireless-neighborhoods.org

2. Name and Contact Information of Person to be Contacted on Matters Involving this Application:	
Prefix	Mr.
First Name	Stephen
Middle Name	G
Last Name	MacIsaac

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Suffix	
Telephone Number	412-363-1914
Fax Number	412-363-1592
Email	macisaac@wireless-neighborhoods.org
Title	Executive Director

3. Additional Contact Information of Person to be Contacted on Matters Involving this Application:

Project Role	Name	Phone	Email
Secondary Point of Contact	Ms. Lacey , Perretta	4123631910	perretta@wireless-neighborhoods.org

4. Other Required Identification Numbers

Easygrants ID	7020
Funding Opportunity Number	500000
Catalog of Federal Domestic Assistance Number	**BTOP CFDA Number:** 11.557 **BTOP CFDA Title:** Broadband Technology Opportunities Program

5. Organization Classification

Type of Organization	Non-profit Corporation
Is the organization a small business?	No
Does the organization meet the definition of a socially and economically disadvantaged small business concern?	No

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6. Authorized Organizational Representative	
AOR	MACISAAC, STEPHEN
Result	Applicant Authorized

7. Project Title and Project Description

Project Title: Pittsburgh CONNECTS

Project Description: Wireless Neighborhoods is proposing a network of four wonderful lab facilities across six Pittsburgh's lower income African-American neighborhoods. Equipped with high speed connectivity and laptop computers, these labs will bring the power of the internet to many of the City's most vulnerable children, families and individuals who too often are being left behind.

8. Other Applications

Is this application being submitted in coordination with any other application being submitted during this round of funding?

➢ No

Easygrants ID	**Project Title**

If YES, please explain any synergies and/or dependencies between this project and any other applications.

9. Is the Applicant exempt from the Department of Commerce requirements regarding individual background screening in connection with any award resulting from this Application?

➢ No, Applicant is subject to these requirements

If the answer to the above question is "No," please identify each key individual associated with the Applicant who would be required to complete Form CD-346, "Applicant for Funding Assistance," in connection with any award resulting from this Application:

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Name	Title	Employer
Stephen MacIsaac	Executive Director	Wireless Neighborhoods
Rick Flanagan	Youth Development Director	Bloomfield Garfield Corporation
Lacey Perretta	Education Director	Wireless Neighborhoods
Aaron Gibson	Director of Building Operations	Center Avenue YMCA
Tony Bell	Chief Program Officer	Hill House Association
Fred Brown	Associate Director of Program Development	Kingsley Association

B. Executive Summary, Project Purpose and Benefits

Essay Question

10.   **Executive Summary of the proposed project:**

The Pittsburgh CONNECTS (Creating an Organized Neighborhood Network to Enhance Community Technology Services) model proposes to bring community organizations together with anchor institutions to open labs in four of the most vulnerable areas of Pittsburgh with the ultimate goal of increasing the adoption of broadband technology by providing access, education and training, and connections to web content and services.

THE NEED
Lack of access to technology, like academic underachievement, chronic health problems and limited job histories, is yet another yolk on the already callused shoulders of a disproportionate number of lower income urban residents.

Broadband Access: A 2007 study by the Pew Research Center indicated that income and education directly predict internet access. Individuals with incomes below $40,000 and educational attainment at or below high school have the lowest rate of broadband use. The 2008

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Scarborough study noted that Pittsburgh at 44% had one of the lowest broadband penetration rates of urban areas.

Academic Underachievement: In the past two school years, African American and lower income students at Pittsburgh Public Schools scored on average 35% lower than Caucasian students on PSSAs.

Health Issues: "Minorities and low income Americans are more likely to be sick and less likely to get the care they need," Secretary Sebelius said. "These disparities have plagued our health system and our country for too long"(News Release, 6/9/2009, HHS Press Office).

Poverty: A 2007 study conducted by the University of Pittsburgh pointed to a litany of troubling statistics for lower income and African Americans in the city of Pittsburgh including: significant disparities between African American and Caucasian employment and median income.

ADDRESSING THE NEED

Imagine a non-profit Starbucks outfitted with 40 broadband-connected laptops and furnished with comfortable sofas, chairs, and tables. In one corner, there is a coffee and juice bar operated by neighborhood youth, while at the opposite corner there is a training space equipped with a SMART Board. Lots of people are located around the center working on laptops. Now, picture this happening in an urban neighborhood marked by poor broadband penetration, struggling to break the cycles of poverty.

This submission proposes to: (1) Provide improved broadband access to consumers in underserved areas and (2) Provide broadband education, awareness, training, access, equipment, and support to community anchor institutions, job-creating strategic facilities, and vulnerable populations.

Partnership: Pittsburgh CONNECTS (PC) will bring together prominent community organizations and some of the city's strongest anchor institutions. Partners were selected based on their connection to the most vulnerable areas of the city.

Community Hubs: PC centers will be neighborhood-based. Residents will naturally flow to the locations where they and their families have, in many cases, gone for generations.

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Coffee/Juice Bar: Youth workers, funded through Workforce Investment Act funds, will operate a coffee/juice bar.

Laptop Library: Residents will be able to use laptops at the centers. Members with advanced standing will be able to borrow laptops overnight.

Laptop Lease-to-Buy: Through a replenishing fund set up through this proposal, PC members will be able to buy laptops through PC's no interest Lease-to-Buy program.

State-of-the-Art Labs: Labs will have 36 laptops and 4 multimedia desktops connected to broadband; colorfully decorated spaces with tables, chairs, and couches; and a training space equipped with SMART Board.

Hours: 8AM-10PM Mon-Fri, 10AM-8PM Sat/Sun

Staffing: Each center will employ a lab manager to oversee operations and three lab assistants. A group of volunteers, subsidized youth workers, AARP volunteers, and college students will be recruited to support the extended lab hours. Two staff, a technology coordinator and a content specialist, will be shared across the four centers.

Training: Centers will provide an ever-changing, organic menu of training and education programs that address the needs of residents, anchor institutions and employers.

Content: PC already has an amazing set of partners with content. Moreover, Wireless Neighborhoods (WN) and its partners hold licenses for software that will be shared across the network.

TARGET POPULATION
The Pittsburgh region has experienced the pain and struggles that other cities around the country have gone through due to the current unstable economic times. No region in Western Pennsylvania has been more affected and has had a longer experience with chronic poverty and lack of broadband technology and access to education and training, and connections to web content and services than the identified City of Pittsburgh neighborhoods.   The infusion of capital and talent have made a small dent in the identified problems but without easy access to

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broadband technology, the systemic and culturally rooted issues will not change without a community based and cross neighborhoods solution. The PC labs will be available to all residents served by the four partner organizations. The City of Pittsburgh neighborhoods included in the PC project include: East Liberty, Garfield, Larimer, Homewood, Hill District, and Hill Top communities. As reported in statistical data provided by the Allegheny County Department of Human Services, each community is predominately African American (all over 85% of the population is African American, many over 95%), most of who live at or below the poverty line (every community scored over 30% of the homes included children living in poverty, some as high as 74%) and struggle with employment, education (every community registered a dropout rate of over 20%) and health problems. Each of the targeted communities has been plagued by generations of poverty.

In addition to the everyday struggles with poverty, the residents of these U.S. Census defined distressed and severely distressed communities are confronted with higher than regional average crime rate that plagues their neighborhoods as they try to make their way to school, the grocery store, or to their doctor. By providing accessible broadband technology in these troubled communities, the PC labs will provide a missing piece to the individual and community improvement puzzle.

END USERS & BENCHMARKS
- 16,000 unique end users receive services at the centers
- 8000 participate in training/education programs
- 2000 PC certified members (complete 40-hr training)
- 400 laptops purchased through Lease-to-Buy

ABILITY TO IMPLEMENT

WN was originally formed in the early 2000s as a voluntary alliance of community and faith organizations to explore ways technology could support community efforts to address education, employment and other challenges in Pittsburgh's lower income communities. Since 2004, WN has successfully managed a US DOE Community Technology Centers grant and three PA DOE 21st Century Community Learning Centers grants serving 1000s of children. Each project, as with PC, has multiple partners serving the city's lower income families.

JOBS SAVED/CREATED

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WN and its partners have committed to hiring individuals from the participating neighborhoods to fill all staff positions, with special consideration given to individuals who are currently unemployed. The PC initiative will create eighteen jobs:

1 FT Technology Coordinator
1 FT Content Specialist
4 FT Lab Managers
12 PT Lab Assistants

OVERALL BUDGET

$784,000 requested from NTIA funds + $211,000 match = $995,000 total

11.   Project purpose:

This submission proposes to 1) Provide improved broadband access to consumers in underserved areas 2) Provide broadband education, awareness, training, access, equipment, and support to community anchor institutions, job-creating strategic facilities, and vulnerable populations.

SIGNIFICANCE OF THE PROBLEM

Technology, like academic underachievement, chronic health problems and limited job histories, is yet another yolk on the already callused shoulders of a disproportionate number of lower income urban residents.

Broadband Access: A 2007 study by the Pew Research Center indicated that income and education directly predict internet access. Individuals with incomes below $40,000 and educational attainment at or below high school have the lowest rate of broadband usage. The 2008 Scarborough study noted that Pittsburgh at 44% had one of the lowest broadband penetration rates of urban areas.

Academic Underachievement: In the past two school years, African American and lower income students at Pittsburgh Public Schools scored on average 35% lower than Caucasian students on PSSAs. The schools served under this partnership are among the most challenged. For example, in 2007-08 only 11.5% of Vann middle students and 24.4% of Murray elementary students were identified as proficient in reading, compared to district averages of 54.2% and 64.6%,

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respectively. Moreover, African-American high school students in the district were 3 1.1% and 35.3% proficient or advanced in reading and math, respectively, compared with 72.8% and 72.6% of white students and only 18.8% and 20.0% for Pittsburgh Peabody (A+ Schools Report), one of the proposed high schools.

Health Issues: "Minorities and low income Americans are more likely to be sick and less likely to get the care they need," Secretary Sebelius said. "These disparities have plagued our health system and our country for too long"(News Release, 6/9/2009, HHS Press Office). A sampling of data nationwide on the plight of our lower income and African American citizens reflects that: 48% of all African American adults suffer from a chronic disease compared to 39% of the general population (Health Disparities: A Case for Closing the Gap, June); 8% of white Americans develop diabetes while 15% of African Americans... develop diabetes (Closing the Gap); African American women suffer from breast cancer at a lower rate than White women; they die from the disease more often (National Center for Health Statistics and the Center for Disease Control and Prevention).

Poverty: A 2007 study conducted by the University of Pittsburgh pointed to a litany of troubling statistics for lower income and African-Americans in the city of Pittsburgh including (1)The unemployment rate of African-American men is more than double that of Caucasian men (Pittsburgh's Racial Demographics: Differences And Disparities (0 2007 University of Pittsburgh); (2) The African-American poverty rate is more than twice that of whites; (3) The median income of White households in the city of Pittsburgh exceeds that of African-Americans... by more than $10,000 (Pittsburgh Racial Demographics).

PROGRAM
Partnership: Wireless Neighborhoods (WN) will bring together four prominent community organizations and some of the city's strongest anchor institutions under the Pittsburgh CONNECTS (Creating an Organized Neighborhood Network to Enhance Community Technology Services) banner. Partners were selected based on their connection to vulnerable areas of the city marked by academic struggles, low employment rates, low income, poor health, and poor broadband access.

Community Hubs: PC centers will be neighborhood-based. Residents will naturally now to the locations where they and their families have, in many cases, gone for generations. Area anchor

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institutions, specifically the school district, hospitals and other employers, see the centers as an excellent venue for connecting with residents.

Coffee/Juice Bar: Centers will have a coffee house feel. Youth workers, funded through WIA, will operate a coffee/juice bar.

Laptop Library: Residents will be able to check out laptops for use at the centers. Members who complete a 40-hr training will be able to borrow a laptop overnight.

Laptop Lease-to-Buy: Through a replenishing fund set up through this proposal, PC members will buy laptops with 0%-interest.

Comfortable, State-of-the-Art Labs: Labs will have 36 laptops and 4 multimedia desktops connected to broadband; colorfully decorated spaces with tables, chairs, and couches; and a training space equipped with SMART Board.

Hours: 8AM-1OPM Mon-Fri, 1OAM-8PM Sat/Sun

Staffing: Paid employees; WIA subsidized workers; AARP, AmeriCorps and members volunteers; and Federal Work Study students will staff the labs. Staff will be hired from each center's neighborhood, preference given to those unemployed due to the economic downturn. Each center will employ a lab manager to oversee operations and three lab assistants. Two staff will be hired, a technology coordinator and a content specialist, to bring a level of expertise that will be shared across the four centers.

Training/Services: Centers will provide an ever-changing, organic menu of training and education programs that address the needs of residents, anchor institutions and employers. Content: PC already has an amazing set of partners with phenomenal content. WN and its partners hold licenses for software that will be shared across the network. The content specialist and center staff will search the web and work with anchor institutions to identify new health, education and employment content.

The WN supported-network model is already effective across 15 school-community afterschool partnership in the city's lower income neighborhoods. Community partners deliver quality

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afterschool programs in collaboration with neighborhood schools with WN providing affordable, shared afterschool expertise.

12.　　　**Recovery Act and Other Governmental Collaboration:**

Initially, Pittsburgh CONNECTS (PC) will link with funding available through the Departments of Labor (DOL), Health and Human Services (H&HS) and Education (DOE). We will connect with DOL and H&HS through our partnerships with the City of Pittsburgh's Pittsburgh Partnership, which is the arm of local government responsible for Department of Labor and Department of Health and Human Services training funds, principally funds passed down from the state to the local SDA. PC partners will work closely with the Pittsburgh Partnership to ensure that the full and part-time staff hired for this initiative are selected from the participating neighborhoods and are unemployed or underemployed due to the recent economic downturn. Further, Wireless Neighborhoods and the partners will work with Pittsburgh Partnership staff, as appropriate, to access training funds to support the employees' acquisition of appropriate skills to thrive in their role within PC. We will connect with DOE through our partnership with the Pittsburgh School District, which will be providing district-owned licensed electronic content to children and adults using the PC labs.

Under the leadership of the Pittsburgh Foundation and others, we are convening local groups, as we have during the planning process of this proposal, to discuss strategies for collaborating around other stimulus funding opportunities. We will be ever mindful to use PC centers in ways that support other existing funds or other stimulus efforts in the City of Pittsburgh and Allegheny County. This submission has a strong set of partners across the education, employment and health sectors. As we work together and better understand each other's systems, we are confident that other opportunities to leverage existing or new funding will appear. We have many strong partnerships in place that will support this initiative, and we understand that through our joint efforts opportunities to pursue new funding streams will become more evident.

13.　　　**Technology Strategy:**

The Pittsburgh CONNECTS (PC) technology strategy will utilize information technology infrastructure that is focused on security, reliability, mobility, usability, and performance; including a domain environment, virtual private networking (VPN), broadband connectivity, and the multi-pronged approach to security called Defense in Depth (DiD).

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Wide Area Network: Technological advancements in bandwidth and connectivity have made a broadband not only standard, but mandatory. The PC technology strategy focuses on state-of-the-art practices and implementation. With four lab locations serving in different communities, management will be centralized with the use of VPNs and domain site replication. The use of fiber optic and high-bandwidth broadband connections will support advanced routing and communication between the remote locations. PC will work together with service providers to develop the best routing configuration on top of Cisco's professional routing equipment.

Local Area Network: Each lab will be fully connected to a Windows domain. Using a Windows domain, administrators will have centralized administration and control over user environments. This not only prevents incidents, but provides monitoring capabilities should an incident occur. PC labs will be equipped with state-of-the-art workstations that are specifically configured for the use of educational and training software. Network switching will be provided by wired switches and wireless access points. Each lab will also be equipped with servers providing services such as Dynamic Host Control Protocol, Domain Name Service, and Network Address Translation to provide for communication both within and without the local network.

VPNs will also be deployed for connectivity for the "Laptop Loan Program" to ensure that no matter where the laptop is connected, a secure connection to files, applications, and other information is provided.

Security: PC will use the Defense in Depth (DiD) approach to security. This approach is a multi-pronged approach starting with sound basic training sessions for the users. Along with training, a custom Security Policy will define user conduct and appropriate protocols for incidents. Pittsburgh CONNECTS will employ lab assistants to frequently update all software, including operating systems and virus protection, which eliminate backdoors and exploitable code. Additionally, Windows Domain Controllers will manage user authentication and administration, restricting a user to permissible network resources and system configurations. Our lab administrators and assistants will utilize LAN-monitoring software that will audit systems use. Domain Controllers and Routing will work with DNS services to block explicit content. PC will also utilize firewalls and intrusion detection systems to mitigate intrusion and exploitation risk.

Maintenance: PC will establish a concurrent maintenance system in order to keep all systems running. Standard maintenance will include a rotation of software and firmware updating, system performance enhancement, physical cleanliness, and general system assessment.

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14.   **Public Availability:**

The Pittsburgh CONNECTS computer labs will be available to all residents of the neighborhoods served by the four partner organizations including:

- Bloomfield Garfield Corporation - Garfield & the Western half of East Liberty (15224/15206),
- Centre Avenue YMCA - Southside Hilltops Neighborhoods (15210),
- Hill House Association - Hill District (15219),
- Kingsley Association Eastern half of East Liberty/Larimer and Homewood (15206/15208),

Community is important. We want everyone to feel welcome to use the labs at their convenience. We also want everyone to feel a sense of responsibility for the labs' operation and upkeep. To ensure that everyone in the community feels welcome, the Pittsburgh CONNECTS labs will permit all residents of the participating zip codes to use the facilities, no exceptions as long as rules are followed. Everyone using the labs will be required to volunteer at the center, 2 hours per member per year. All residents below 200% of the poverty level, children up to 13 years of age and seniors over 65 years of age will have no additional membership obligations. Residents from 14 to 64 years of age whose household income is above 200% of the poverty level will be asked to perform additional volunteer hours based on their income. All residents will have up to five free uses per year before the membership requirements kick in. Once their free uses are exhausted, they will need to establish a volunteer schedule.

In addition to the free public access space, each center will also have a designated training and education space equipped with SMART Board technology. While these spaces will be free to community residents, they can be rented, at a low fee, to programs, agencies, schools, employers, and anchor institutions for trainings, when appropriate. Organizations providing trainings that are vital to the core mission of Pittsburgh CONNECTS will be have free access to the space.

15.   **Restrictions on Center Use:**

There will be no restrictions on use of the lab facilities beyond the residency requirement and adherence to PC center rules and regulations regarding computer use and lab conduct. Children under 13 will need to be accompanied by a parent or responsible adult.

16.   **Involvement of Community College:**

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Carnegie Mellon University: As a developer of many kinds of educational materials to be delivered on the web, CMU will provide access to recently developed online community college prerequisite courses, particularly appropriate content as low-income and African-American on-average are nearly twice as likely to need remediation.

Community College of Allegheny County: CCAC will create an orientation to distance learning course and deliver this course at the centers, as well as training staff to support residents' distance learning. CCAC's participation in this project will provide an avenue for individuals from struggling communities to learn more about opportunities for attending post-secondary education without leaving the neighborhood.

17.   Is the applicant is seeking a waiver of the Buy American provision pursuant to section x.Q of the NOFA?

➢   No

18.   Is the applicant deliquent on any federal debt?

➢   No

➢   If Yes, justification for deliquency:

19.   Are you seeking a waiver of any requirement set forth in the NOFA that is not mandated by statute or applicable law?

➢   No

C. Partners
20.   Are you partnering with any other key institutions, organizations, or other entities for this project?
➢   Yes

If YES, key partners are listed below:

Project Role: Third party in-kind contributor
Name: Flanagan, Richard
Email: rflanag@aol.com
Address 1: 5321 Penn Avenue
Address 2:
Address 3:

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City: Pittsburgh
State: Pennsylvania
Zip Code: 15224
Organization: Bloomfield Garfield Corporation
Organization Type: Non-profit Corporation
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Third party in-kind contributor
Name: Gibson, Aaron
Email: agibson@ymcaofpittsburgh.org
Address 1: 2621 Center Ave
Address 2:
Address 3:
City: Pittsburgh
State: Pennsylvania
Zip Code: 15219
Organization: Center Avenue YMCA
Organization Type: Non-profit Association
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Third party in-kind contributor
Name: Mertz, Joseph
Email: joemertz@cmu.edu
Address 1: H. John Heinz III College
Address 2: 4800 Forbes Avenue
Address 3:
City: Pittsburgh
State: Pennsylvania
Zip Code: 15213
Organization: Carnegie Mellon University
Organization Type: Other
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Third party in-kind contributor
Name: Bell, Anthony
Email: tbell@hillhouse.org
Address 1: 1835 Center Avenue
Address 2:
Address 3:

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City: Pittsburgh
State: Pennsylvania
Zip Code: 15219
Organization: Hill House Association
Organization Type: Non-profit Association
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Third party in-kind contributor
Name: Cook, Yvonne
Email: yvonne.cook@highmark.com
Address 1: Fifth Avenue Place, 120 Fifth Avenue
Address 2:
Address 3:
City: Pittsburgh
State: Pennsylvania
Zip Code: 15222
Organization: Highmark Foundation
Organization Type: Non-profit Foundation
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Third party in-kind contributor
Name: Hill-Finegan, Judy
Email: judy.Hill@city.pittsburgh.pa.us
Address 1: City County Building, 414 Grant Street
Address 2:
Address 3:
City: Pittsburgh
State: Pennsylvania
Zip Code: 15219
Organization: City of Pittsburgh
Organization Type: City or Township Government
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Other
Name: Hopkins, David
Email: david.hopkins@pnc.com
Address 1: One PNC Plaza 249 Fifth Avenue
Address 2:
Address 3:

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City: Pittsburgh
State: Pennsylvania
Zip Code: 15222
Organization: PNC
Organization Type: For-profit Entity
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Third party in-kind contributor
Name: Valauri, Karrie
Email: kvalauri@aarp.org
Address 1: 2020 Ardmore Blvd. Suite 335
Address 2:
Address 3:
City: Pittsburgh
State: Pennsylvania
Zip Code: 15221
Organization: AARP Foundation WorkSearch
Organization Type: Non-profit Foundation
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Third party in-kind contributor
Name: Bender, Joyce
Email: jbender@benderconsulting.com
Address 1: Penn Center West III
Address 2:
Address 3:
City: Pittsburgh
State: Pennsylvania
Zip Code: 15276
Organization: Bender Consulting Services
Organization Type: For-profit Entity
Small business: Yes
Socially and economically disadvantaged small business concern: Yes

Project Role: Third party in-kind contributor
Name: Brown, Fred
Email: fbrown@kingsleyassociation.org
Address 1: 6345 Frankstown Avenue
Address 2:
Address 3:

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City: Pittsburgh
State: Pennsylvania
Zip Code: 15206
Organization: Kingsley Association
Organization Type: Non-profit Association
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Third party in-kind contributor
Name: Lagana, Erika
Email: elagana1@pghboe.net
Address 1: 341 South Bellefield Avenue
Address 2:
Address 3:
City: Pittsburgh
State: Pennsylvania
Zip Code: 15213
Organization: Pittsburgh Public Schools
Organization Type: Other
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Third party in-kind contributor
Name: Leber, B.J.
Email: bleber@wpahs.org
Address 1: 4818 Liberty Avenue
Address 2:
Address 3:
City: Pittsburgh
State: Pennsylvania
Zip Code: 15224
Organization: The Western Pennsylvania Hospital Foundation
Organization Type: Non-profit Institution
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Third party in-kind contributor
Name: Bruno, Doug
Email: douglas.bruno@pearson.com
Address 1: 109 McCracken Drive
Address 2:
Address 3:

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City: Pittsburgh
State: Pennsylvania
Zip Code: 15061
Organization: Pearson
Organization Type: For-profit Entity
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Third party in-kind contributor
Name: Hess, Eric
Email: Eric.Hess@chp.edu
Address 1: 3705 Fifth Avenue
Address 2:
Address 3:
City: Pittsburgh
State: Pennsylvania
Zip Code: 15231
Organization: Children's Hospital of UPMC
Organization Type: Non-profit Institution
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Third party in-kind contributor
Name: Castleberry-Singleton, Candi
Email: castleberryca@upmc.edu
Address 1: 200 Lothrop St., Forbes Tower, Suite 11070
Address 2:
Address 3:
City: Pittsburgh
State: Pennsylvania
Zip Code: 15213
Organization: UPMC Center for Inclusion in Health
Organization Type: Non-profit Institution
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Other
Name: Wagner, Chelsa
Email: jwagner@pahouse.net
Address 1: 900 Brookline Blvd.
Address 2:
Address 3:

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City: Pittsburgh
State: Pennsylvania
Zip Code: 15226
Organization: PA House of Representatives
Organization Type: State or State Agency
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Third party in-kind contributor
Name: Dunbar, Jacqueline
Email: dunbar@pitt.edu
Address 1: 3500 Victoria Street, 350 Victoria Bldg.
Address 2:
Address 3:
City: Pittsburgh
State: Pennsylvania
Zip Code: 15261
Organization: University of Pittsburgh School of Nursing
Organization Type: Non-profit Institution
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Other
Name: Wheatly, Jake
Email: jwheatley@pahouse.net
Address 1: 34 Irvis Office Building
Address 2:
Address 3:
City: Pittsburgh
State: Pennsylvania
Zip Code: 17120
Organization: PA State House of Representatives
Organization Type: State or State Agency
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Third party in-kind contributor
Name: Lovelace, John
Email: lovelacejg@upmc.edu
Address 1: 112 Washington Place, Chatham Center Two
Address 2:
Address 3:

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City: Pittsburgh
State: Pennsylvania
Zip Code: 15219
Organization: UPMC Health Plan/ Community Care Behavioral Health Plan
Organization Type: Non-profit Institution
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Third party in-kind contributor
Name: Feinstein Ph.D, Karen Wolk
Email: feinstein@jhf.org
Address 1: 650 Smithfield St., Suite 2400
Address 2:
Address 3:
City: Pittsburgh
State: Pennsylvania
Zip Code: 15222
Organization: Jewish Health Care Foundation
Organization Type: Non-profit Foundation
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Third party in-kind contributor
Name: Jenkins, Kevin
Email: jenkinsk@pghfdn.org
Address 1: Five PPG Place, Suite 250
Address 2:
Address 3:
City: Pittsburgh
State: Pennsylvania
Zip Code: 15222
Organization: Pittsburgh Foundation
Organization Type: Non-profit Foundation
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Third party in-kind contributor
Name: Dixon, Bruce
Email: bdixon@achd.net
Address 1: 3333 Forbes Avenue
Address 2:
Address 3:

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City: Pittsburgh
State: Pennsylvania
Zip Code: 15213
Organization: Allegheny County Health Deperatment
Organization Type: County Government
Small business: No
Socially and economically disadvantaged small business concern: No

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Project Role: Other
Name: Revenstahl, Luke
Email: luke.ravenstahl@city.pittsburgh.pa.us
Address 1: 414 Grant Street, Room 512
Address 2:
Address 3:
City: Pittsburgh
State: Pennsylvania
Zip Code: 15219
Organization: City of Pittsburgh
Organization Type: City or Township Government
Small business: No
Socially and economically disadvantaged small business concern: No

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Project Role: Third party in-kind contributor
Name: Yoannone, Carol
Email: cyoannone@ccac.edu
Address 1: 800 Allegheny Avenue
Address 2:
Address 3:
City: Pittsburgh
State: Pennsylvania
Zip Code: 15212
Organization: Community College of Allegheny County
Organization Type: Non-profit Institution
Small business: No
Socially and economically disadvantaged small business concern: No

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Project Role: Third party in-kind contributor
Name: Preston, Joseph
Email: jpreston@pahouse.net
Address 1: National Telecommunications and Information Administration
Address 2: US Department of Commerce
Address 3: 1401 Consitution Avenue

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Task: Submit Application - Public Computer Centers	**Applicant Name:** Mr. Stephen G MacIsaac

City: NW Washington
State: District of Columbia
Zip Code: 20230
Organization: State of Pennsylvania
Organization Type: State or State Agency
Small business: No
Socially and economically disadvantaged small business concern: No

21. Description of the involvement of the partners listed above in the project.

The four Pittsburgh CONNECTS (PC) partners will provide cash match and assist in management:
• Bloomfield-Garfield Corporation (Founded in 1975) / Contact: Rick Flanagan, rflanag@aol.com
Service Area: Garfield/East Liberty PC center / Commitment: The BGC has committed to overseeing two PC's in their region, collect and report on program data and provide a $10,000 match for the grant.
• Centre Avenue YMCA (Founded in 1906) / Contact: Aaron Gibson, agibson@ymcaofpittsburgh.org
Service Area: Southside Hilltop / Commitment: The Centre Avenue YMCA has committed to overseeing the Southside Hilltop PC and report on program data.
• Hill House Association (Formed in 1964) / Contact: Anthony Bell, tbell@hillhouse.org
Service Area: Hill District / Commitment: Hill House Association has committed to overseeing the Hill District PC and providing program data.
• Kingsley Association (Founded in 1893) / Contact: Fred Brown, fbrown@kingsleyassociation.org
Service Area: Larimer and Homewood / Commitment: will operate the Larimer/Homewood PC center and providing program data.

In addition to the support listed below, each organization is committed to providing training to PC staff/volunteers to support access to online content:
• AARP / Contact: Karrie Valauri, KValauri@aarp.org
Project Support: Provide senior workers to each PC centers at no cost and access to online training and job assessment.
• Allegheny County Health Department / Contact: Alice Kindling, akindling@achd.net

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Project Support: Provide access to all health department resources.
• Bender and Associates/ Contact: Joyce Bender, jbender@benderconsult.com
Project Support: Provide consulting regarding access and adaptive technology for persons with disabilities.
• The City of Pittsburgh Office of The Mayor/ Contact: Kim Graziani, kim.graziani@city.pittsburgh.pa.us
Project Support: Representative of Community initiatives for the Mayor's Office will sit on our advisory council and be instrumental in the development of this project. Also city departments will be looked at to aid in the hiring of staff and in the operation of labs.
• Carnegie Mellon University: Joseph Mertz, joemertz@cmu.edu
Project Support: Access to online college-level academic remediation courses, tech support for labs and Federal Work Study students.
• Community College of Allegheny County: Carol A. Yoannone, cyoannone@ccac.edu
Project Support: Online academic content including access to online distance learning orientation.
• Jewish Healthcare Foundation: Karen Wolk Feinstein, kfienstein@jhf.org
Project Support: $10,000 matching support, in-kind donation of training and resources related to healthcare career tracks and accessing health information online content.
• Pearson: Doug Bruno, Douglas.Bruno@Pearson.com
Project Support: Expanded access to NovaNET content and assessment at no additional cost.
• Pittsburgh Partnership/CareerLink: Judy Hill-Finegan, judy.hill@city.pittsburgh.pa.us
Project Support: Access to CareerLink enrollment and job seeking web platform, candidate pool for PC staff positions, online employment content.
• Pittsburgh Public Schools: Erika Lagano, elagana1@pghboe.net
Project Support: Work with Pearson's NovaNET curriculum, along with other Pearson Online academic content to further support and expand the availability of online services for all members of the students family within a community center.
• PNC: David Hopkins, david.hopkins@pnc.com
Project Support: $6,000 matching support, assistance with the Laptop lease-to-buy program and staff support in bringing online banking training and services to Pittsburgh CONNECTS members.
• The Pittsburgh Foundation: Kevin Jenkins, jenkinsk@pghfdn.org
Project Support: $125,000 matching support.
• University of Pittsburgh School of Nursing: Jacqueline Dunbar-Jacob, dunbar@pitt.edu

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Project Support: $5,000 matching support, provide student nurse volunteers on a weekly basis at the computer labs to assist individual members of the community in accessing and identifying reliable web resources on health information, and the collection of program data.

• UPMC Children's: Eric Hess, Eric.Hess@chp.edu

Project Support: Provide access to online health content and job portal, train volunteers and staff to identify and access quality child development, injury prevention and pediatric health information websites, and provide training to utilize the Children's web based Human Resources job search and application functions.

• UPMC Health Plan: John Lovelace, LovelaceJG@UPMC.EDU

Project Support: Provide access to online health content and outreach support

• UPMC Center for Inclusion/Contact: Candi Castleberry-Singleton, castleberryca@upmc.edu

Project Support: Provide training to staff and community members regarding how to access to health and wellness information and health career information online.

• West Penn Hospital Foundation/Contact: B.J. Leber, bleber@wpahs.org

Project Support: Provide online study skills course through the STAR Center to assist students in passing certification tests required for entry into an allied health profession, offer a monthly interactive tour of STAR for each computer lab site, provide West Penn Hospital School of Nursing students opportunities to earn community service hours by volunteering at one of the computer labs, provide simulated job training, and assist in educating the staff and volunteers on accessing and using health care information on the West Penn Allegheny Health System website.

Additional Support:
• PA State Representatives, Joseph Preston-24th District
• PA State Representative, Chelsa Wagner -22nd District
• PA State Representative, Jake Wheatley-19th District

D. Congressional Districts
22.   Applicant Headquarters

➢   Pennsylvania

23. Project Service States
Pennsylvania

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24. Project Service Areas
Pennsylvania - 14

25. Will any portion of your proposed project serve federally recognized tribal entities?
  ➢ No

26. Indicate each federally recognized tribal entity your proposed project will serve.

27. Have you consulted with each of the federally recognized tribal entities identified above?

  ➢ No

E. Demographics

Demographics

28. Will your proposed project be specifically directed to serve vulnerable population groups?
  ➢ Yes

If "Yes" which vulnerable population groups will your proposed project serve? Check as many as apply:

Black/African-American

Low Income

Unemployed

Youth

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Other:

29. Vulnerable Populations

Through the unique partnership group of non-profits, education, employers and government, the Pittsburgh CONNECTS (PC) project has an unparalleled group with a commitment to improving the lives of at-risk / vulnerable youth and adults living within the communities in which they all serve. Wireless Neighborhoods (WN) has a strong history at delivering services through a community partnership driven model in some of Pittsburgh's most crime plagued and underserved communities. Their success has been due to four strategic drivers. WN (1) partners with firmly established community and faith-based organizations with strong reputations of positive outcomes and a commitment to their neighborhoods, (2) hires individuals who have grown up in the communities to give further credibility to the residents we are proposing to serve, (3) use a network of convenient, neighborhood-based facilities, and (4) share technical expertise across multiple neighborhood centers in an effort to build sustainability and services that will outlast the grant.
Each of the partners in the PC group has service delivery models and outreach programs that currently reach out to thousands of individuals within their communities. With a history of delivering service and outcomes in their community that have made a direct impact in the lives of the residents, each will further increase their ability to recruit members from all vulnerable categories that we propose to serve in the PC project.

WN will serve as the coordinator of all of the marketing and outreach materials to guarantee consistency in message, brand and awareness. Each partner group will have the ability to customize their marketing / outreach efforts to meet the specific needs of their community. As outlined in our answer in the Outreach section of the proposal, Pittsburgh CONNECTS will in addition to our standard approaches, will undertake a strong marketing and outreach efforts to advertise PC to all members of the neighborhoods identified in this proposal and will include a three pronged strategy: (1) Direct Contact with Residents, (2) Outreach to Churches and Community Organizations and (3) Media-e.g. "The Bulletin" - this is a monthly neighborhood newspaper that is currently distributed in the Garfield section of Pittsburgh, a circulation of about 20,000. Each partner organization has efficient and effective methods to get the word out regarding the PC program.

30. Accessibility

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In its effort to create Pittsburgh CONNECTS (PC) labs that have a true feeling of community, Wireless Neighborhoods will work with its community partners to ensure the greatest access to PC facilities by all residents, including those with disabilities. All of the locations currently identified as PC labs are ADA compliant. We will work with the partners to identify appropriate facilities to ensure parking lots, ramps, doorways and signage meet ADA compliance. We will also work across the partnership to make sure that we have appropriate adaptive technologies available so that all individuals are able to comfortably use the labs, computers and peripherals. Beyond the physical space and the equipment, possibly the most importation component to making any individual comfortable is the interaction with program staff. We will provide training to all lab staff to expand their understanding of adaptive technologies and disability issues so that they can be comfortable and confident supporting any resident, including those with a disability.

PC will work with Bender Consulting Services Inc. (www.benderconsult.com), a local disability consultant, who will advise on all building access issues, facilities and furnishings decisions, adaptive technology purchases and staff training topics for the PC labs.

We will work with Pittsburgh's largest providers of services to persons with disabilities in order ensure that knowledge of the centers' services and accommodating facilities is widespread, including Life's Work, Goodwill, Pittsburgh Public Schools, Center for Hearing and Deaf Services, Western Pennsylvania School for Blind Children and others.

31. Other Languages

The Pittsburgh region has a very limited but growing ESL population. Historically, programs lead by Wireless Neighborhoods (WN) have not had a request to support an individual or individuals with this need. If presented with a situation where additional support, materials and/or training is necessary, the Pittsburgh region has many resources from which WN can establish ESL support. Many of the following potential partners have worked with in the past or have a current working relationship with WN. A sample of potential partner organizations are: Allegheny Intermediate Unit, Community College of Allegheny County, Goodwill Industries of Southwestern Pennsylvania, The Greater Pittsburgh Literacy Council and the University of Pittsburgh.

Outreach

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32. Public Computing Centers Outreach

Wireless Neighborhood (WN) has an extensive history in successfully working in a partnership model to deliver services. Through is collaborative, community based model, we work with a network of partners who have served their respective communities for decades and have successful track records for meeting and exceeding recruitment and enrollment outcomes. We will work with them employing a fairly simple and straight forward process. The key to our past and future success depends upon (1) partnering with community and faith-based organizations with long-standing reputations of quality service to their neighborhoods, (2) hiring individuals who have grown up in the communities who have credibility with the residents we are proposing to serve, (3) using a network of convenient neighborhood-based facilities, and (4) sharing technical expertise across multiple neighborhood centers. This well tested strategy ensures that (1) we can attract the populations we are proposing to serve because the target population knows and trusts the organizations and individuals operating the lab and (2) guarantees the highest quality product through a shared technology expertise so that residents will have positive experiences leading to return visits and word of mouth referrals.

In addition, we will undertake strong marketing and outreach efforts to advertise PC to all members of the neighborhoods identified in this proposal. All of the partnering organizations have very strong histories of outreach success, and best practices from each group will be shared across the network of partner organizations. The marketing effort will be three pronged, and include:

Direct Contact with Residents - Each partnering organizations will be responsible for developing a door-to-door marketing campaign in their designated neighborhoods. This will include regularly scheduled door-to-door flyer distributions, mailings, and phone calls. Each group will maintain a database with name, address, phone number, outreach efforts and participation of each member of the participating neighborhoods.

Outreach to Churches and Community Organizations - While the partners will be the lead organizations in their particular communities, there are many other community and faith-based organizations in each of the proposed neighborhoods that have large congregations or client bases. Every effort will be made to have these organizations gain an ownership of these community labs, providing end users as well as volunteers and candidates for the paid positions.

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The Bulletin - This is a monthly neighborhood newspaper that is currently distributed in the Garfield section of Pittsburgh, a circulation of about 20,000. The Bloomfield Garfield Corporation as part of this process will run a series of expanded coverage editions that would focus on all of the partnering neighborhoods with special sections dedicated to the PC labs effort to promote education, employment, health opportunities.

33. **How many total users do you expect to generate through the use of BTOP funds at your public computer center(s)?**

   ➢   16000

Training and Education

34. **Peripherals and equipment**

Laptops
• 36 standard notebooks and 4 multimedia laptops will be purchased for each lab, a total of 160 across the 4 PC labs. Consideration will be given to purchasing netbooks for use by our younger children. 16 Multi-media desktops will be purchased for each lab to support higher end graphic, audio and video applications.
• Peripherals & Equipment
• 12 HP Lasetjet M3035XS: Multi-function Printer
• 4 Cisco 24-port Gigabyte switch
• 4 Cisco Dual Band Wireless Access Point: Provides for heavy wireless traffic.
• 164 Logitech VX Nano: cordless mouse with Ultimate battery Life
• 16 Logitech Webcams
• cat6a Bulk 1000ft cable: Network cable
• cat6a Bulk connectors
• 4 Tripp Lite Uninterruptable Power Supply: Backup Power for Server
• 40 Tripp Lite Ultimate Protection: Surge protection and power distribution
• 80 headsets
• 4 SMART Boards
• 8 20-Port Mobile Laptop Carts

Wireless Neighborhoods and partners have servers with the capacity to handle the networks that will be set up in these labs.

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Adaptive Technology
We will continue to work with Bender consulting to create ADA-compliant labs that are able to meet residents' needs. Some hardware that is being looked at includes:
Visually impaired: 4 SpeakEasy Media System complete
Hearing Impaired: 4 Listen Tech LS-01-072 try listen FM system for meetings and trainings and 4 Sennheiser Set 810-S infrared hearing assistance systems
Speech and Language Impairments: 4 Tango hand-held communication devices

35. Workstation software

Pittsburgh Connects will utilize all productivity software that is standard in academia in order to introduce and broaden our users' knowledge and skills:
1.   Microsoft Vista Business
2.   Microsoft Office Pro 07: Total Office Productivity Solution
3.   Microsoft Visio Pro 08: Microsoft's visualization software for projects
4.   Adobe Creative Suite Developer Collection 4: InDesign C54, Photoshop C54 Extended, Illustrator C54, Acrobat 9 Pro, Flash C54 Professional, Dreamweaver C54, Firework C54, Encore C54, Adobe Bridge C54, Adobe Device Central C54, Version Cue C54
5.   Avast Anti-Virus
6.   Skype: communication and VoIP software
7.   DivX: Media player
8.   WinRAR: Compression
9.   FileZilla: FTP software
10.   Mozilla Firefox
11.   Internet Explore
12.   Windows Media Player
13.   RealPlayer
14.   WinZIP
15.   Stuffit
16.   NovaNET by Pearson
17.   Houghton Mifflin GED 21st Century
18.   Scholastic Reading Counts & Lexile Library Quizzes
19.   0-NET personality, skills and interest inventory software
20.   MOS Training and Testing software

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36. Training and education programs

Many of the trainings outlined below have been identified through decades of services provided to Pittsburgh's neediest communities. Other programs find their genesis in the Pittsburgh CONNECTS (PC) proposal planning process as anchor institution have committed to using the centers as a point of access to connect their online content and services to populations that have been disconnected to this point. As detailed earlier, PC partners, center managers and, especially, the content specialist will continually work with stakeholders to ensure new, relevant broadband trainings address community needs. Each trainer will be certified either by the institution for which she or he is delivering web content or the software company being taught.

Healthcare
University of Pittsburgh Medical Center & West Penn Allegheny Health Systems: Both will provide ongoing training for residents and will train staff on how to navigate their web portals which have content for healthy lifestyles, preventative medicine, health records, selecting a doctor, researching conditions, managing healthcare, and more.
University of Pittsburgh School of Nursing: The school will assign nursing students 1 day/week to sites to answer health questions and help with online content.

Employment
The centers will provide a means for residents to gain basic computing skills and to earn employer-recognized credentials that increase employability.
Member Credential: The goal of this 40-hour course is to develop a passion and proficiency for broadband computing. With limited access, many residents do not have a purpose for broadband. Earning this credential is a requirement of becoming a member of a PC center and receiving additional free trainings, eligibility for the laptop loan program and other member benefits. It consists of three components, including:
- Intro to Broadband: (15 hours) This course will get residents excited about using broadband applications. It will be a fun curriculum that teaches users computer care and maintenance, searching, emailing, downloading, blogging, chatting, posting, and accessing social sites like Facebook, YouTube, and Twitter.

- Microsoft's Digital Literacy Curriculum: (15 hours) online credential course on computer concepts/skills people can use in everyday life to develop social/economic opportunities.
- Google's Web Search Curriculum: (10 hours) Series of tutorials, webinars and seminars sequenced and supported by center trainers.

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Microsoft Office Specialist Certification (MOS): MOS certification validates proficiency in Microsoft Office and sets completers apart from their peers. PC trainers will be Microsoft-certified and the centers certified credential testing centers.

Western Pennsylvania Allegheny Health Systems: WPAHS requires applicants to have six months of hospital experience even for entry-level jobs. WPAHS is creating an online virtual simulation to replicate the six-month experience. This simulation will be offered at the centers and WPAHS will train center staff to provide support.

Pittsburgh Partnership/CareerLink: CareerLink is Pennsylvania's online job search site. The Pittsburgh Partnership and local CareerLink are committed to training center staff to support residents to use the website.

Education
Pittsburgh Public Schools (PPS): Initially, there are three ways centers will be connected to PPS online content: (1) NovaNET - PPS has committed to providing access to its NovaNET software across all of the PC sites. PPS, Wireless Neighborhoods and Pearson will be meeting to discuss expanding access to additional PPS student populations and parents through the PC centers; (2) Web-based Content - As more PPS licensed content becomes web-based, this content can be assessed outside of the school. This creates a potential disadvantage for our lower income families who cannot access this academic content from home. The PC centers will allow our lower income children, who often need the additional remediation most, to have the same access as other students across the district; (3)Scholastic Reading Counts! (SRC) & Scholastic Reading Inventory (SRI)- Wireless Neighborhoods holds site licenses to SRC and SRI. This Lexile leveled assessment and reading software program is a component of Readl80, which is used by PPS. WN will make it available along with small libraries.

Pearson: A leader in online academic and workforce content, Pearson is committed to make the full range of NovaNET accessible at the centers. At present the district only uses credit recovery content. While credit recovery will be available to district students at the centers, this partnership will open up the BASI assessment, remedial & enrichment content, and SAT & PSSA prep for youth, as well as workforce and GED prep for adults.

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Carnegie Mellon University: CMU will provide access to recently developed online community college prerequisite courses, particularly appropriate content as low-income and African-American on-average are nearly twice as likely to need remediation.

Community College of Allegheny County: CCAC will create an orientation to distance learning course and deliver this course at the centers, as well as training staff to support residents' distance learning.

SRC and SRI: Wireless Neighborhoods holds licenses for reading and assessment software which it will make available along with a small reading library at each center.

Houghton Mifflin Access 21st Century GED software: Hill House Association is licensed for this GED prep software and will make available at all centers.

37. **If you are providing educational or training programs, how many people in total will these programs reach on an annual basis?**

   ➢   16000

38. **How many hours of training will be provided to each participant?**

   ➢   40

39. **How many Full Time Employee (FTE) instructors or facilitators will you employ for these courses?**

   ➢   6

F. Project Budget

40. Project Budget	
Federal Grant Request	$784,000
Total Match Amount	$211,000
Total Budget	$995,000
Match Percent	21.2%

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41. Projects Outside Recommended Funding Range:

 ➢ N/A

42. Sustainability:

Wireless Neighborhoods (WN), stands out as a reliable and strong partner with the city due to a history of delivering technology to lower income neighborhoods and because of the partnership model that we employ across the city working with community and faith organizations to keep projects affordable and building the capacity of our city's non-profits to deliver the highest quality services. Our only other federal grant, to date, a 2004-05 Community Technology Center (CTC) grant created Community LEARNS, a program that provides academic and support services to teens is still thriving today and has expanded to serve twice the number proposed in the original federal grant. Similar to this proposal, the CTC grant provided funding for WN and a group of partners to open community technology centers for afterschool programming for students at additional urban high school in the City of Pittsburgh. Currently, the program is flourishing, serving over 200 teens each year with support from the United Way, local foundations, City of Pittsburgh, and PA Department of Education.

Staffing: Centers will be staffed through partnerships and the required volunteerism of members. Carnegie Mellon University will be a prime partner, providing interns and work study students. Centers will draw from AmeriCorps, PULSE, AARP, and youth/adults in WIA-funded programs to assist in keeping labs open extended hours at reasonable costs. Members of the center will also be required to volunteer at least 4 hours each month.

Entrepreneurial: Each center will have a coffee and juice bar operated by WIA-funded youth/adult program participants, employing an entrepreneurial approach to generate revenue.

Rental: Center designs will allow for areas for public access and areas that can be rented by agencies and programs. We anticipate that the training and technology features will be highly desired due to their superiority to anything comparable in each neighborhood.

Technology: Participant's will be asked to pay $1 per day for a laptop rental from a community center. In addition, small fees and cost reimbursements will be generated via our lease-to-buy program in cooperation with PNC Bank.

Anchor Support: We intend to strengthen and grow our relationships with the anchor institutions that are part of this submission. As we work together and these organizations begin to understand the value of the PC centers as a vehicle for meeting their missions and getting their messages out

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to populations that, to date have proved elusive, we believe strongly that they will provide core operating funds.

Institutionalization: Sustainability is often an organic process that incorporates fundraising where necessary to complement a natural absorption of costs into existing operating budgets of organizations and programs. As a valuable resource to their communities and their constituents, organizations will begin to build the center's operating costs into the strategic planning and budgeting.

43. Matching Funds	
Applicant is providing matching funds of at least 20% towards the total eligible project costs?	Yes
Describe the matching contributions	A number of organizations are providing matching funds in support of this initiative: Bloomfield Garfield Corporation: 1.01% match in the amount of 10,000 Center Avenue YMCA: 1.01% match in the amount of $10,000 Hill House Association: 1.01% match in the amount of $10,000 Jewish Healthcare Foundation: 1.01% match in the amount of $10,000 Kingsley Association: 1.01% match in the amount of $10,000 University of Pittsburgh School of Nursing: .50% match in the amount of $5,000 Pittsburgh Foundation: 12.56$ match in the amount of $125,000 PNC Bank: .60% match in the amount of $6,000 Wireless Neighborhoods: a 2.52% match in the amount of $25,000 This results in a total match of 21.21% in the amount of $211,000
Unjust enrichment	Wireless Neighborhoods is not receiving nor has it applied for any Federal support for non-reoccurring costs in the area for which we are seeking an award.
Disclosure of federal and/or state funding	Wireless Neighborhoods does not have any Federal or state support, nor has it applied for any funding, for projects related to the

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sources	Broadband Technology Opportunities Program application. It currently holds one 21st Century Community Learning Centers (21st CCLC) grant from the Pennsylvania Department of Education which is not related to this application.

44. Budget Narrative	
Budget narrative	All funding will be spent over an 18 month period. a. Personnel - $116,250.00 - Funding to hire two staff to be shared across the PC sites and to pay for approximately 19% of the executive director's time ($18,750) and 100% of the Technology Coordinator's $35,000 annual salary and the Content Specialist's $30,000 annual salary over the 18 months that the program period. b. Fringe Benefits - $31,450.00 - Funding at approximately 27% of salaries. c. Travel $1,000 – To cover travel to each of the PC labs at $.50/mile. d. Equipment Standard Laptops/Netbooks – $46,800 - 144 laptops/netbooks, 36/site, for an average of $325/machine. Multimedia Desktops – $12,800 –16 Macintosh multimedia desktops for members interested in graphic design, audio or video production or other higher end applications at an average cost of $800/machine. Smart Boards – $8,000 - 4 Smart Boards, one for each PC center Printers - $14,400 – 12 HP LaserJet M3035xs, 3/site for each of the 4 PC labs Routers - $3,000 - 4 CISCO routers, one for each PC lab, at $750/router

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Airports - $2,450 - 4 Dual Band Wireless access points, 1/site, at $612.50/access point

Laptop Cart – $4,800 - 8 20-unit laptop carts, 2/PC lab site, at $600/cart

Tables – $10,000 – 100 tables at $100/table, 25/PC sites for spaces for lab users to do their work and receive training

Table Chairs - $15,000 – 200 chairs at $75/chair, 50 chairs/site

Upholstered Chairs – $2,400 - 12 upholstered chairs, 3 chairs/PC site, at a cost of $200/chair

Sofas – $2,800.00 - 8 Sofas, 2/PC lab, at a cost of $325/sofa, for each of the 4 PC sites

Other Smaller General Items - $3,200 – For a variety of smaller items for the labs including mice, mouse pads, webcams, headphones, cat5 cable, webcams, power supplies and other general items to support the general operation of the labs

Adaptive Technologies - $16,000.00 – $4,000/PC labs to purchase adaptive technologies.

e. Supplies - $40,000 - $10,000/site for general office and center supplies, including printer paper and cartridges, bathroom supplies, cleaning supplies, signage and other items need to operate the 4 PC labs. See Budget Detail for addition detail.
f. Contractual – $635,350 - This line item is broken between two items, one comparatively small and one very substantial. $477,780 is being requested from BTOP and $157,870 is being applied to the local match.

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	f1. Partner Agencies - $615,250 goes to the four community partners to hire the staff, maintain the space and operate the PC centers. See Budget Detail for addition detail. f2. Content Creation - $20,000 – to hire consultants to create online content g. Construction – $0 h. Other - $29,000 - $7,000 for accounting services from a local accounting firm, $2,000 to cover a portion of the annual audit, and $20,000 to make 0% loans to residents to purchase laptop computers. See Budget Detail for additional information.
Budget reasonableness	Wireless Neighborhoods (WN) prides itself on keeping projects affordable, requesting little or, in this case, no indirect costs, using partnerships to bring down costs and serving as good stewards of funds. We have reviewed NOFAs eligible costs and our spending is within prescribed limits. Every cost leads directly to creating lab facilities that expand access to broadband services by vulnerable populations. WN and each PC partner is donating $10,000. The budget is tight but workable and boasts 21.21% in matching funds. a. Personnel Costs $116,250 (12%): Covers 19% of the WN executive director's time overseeing project, paid for principally out of match. The majority of personnel line item goes to hiring the technology coordinator ($35,000/yr) and content specialist ($30,000/yr). These costs are reasonable and consistent with the participating agencies' current pay scale and with other local non-profits. b. Benefits $31,450 (3%): Benefits and payroll taxes average 27% of salaries, reasonable by local non-profit standards and consistent with WN practices. c. Travel $1,000 (—.1%): $50/mile, based on current IRS rate.

Broadband Non-Infrastructure Application
Submission to NTIA – Public Computer Centers

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d.   Equipment $141,650 (14%): For the network, computer and peripheral equipment and furnishings, this funding will allow us to create 4 neighborhood labs with 36 laptops and 4 multimedia desktops per lab and a comfortable environment where community residents will be supported in their efforts to expand broadband use. While on the low side, these funds are both reasonable and sufficient for each neighborhood to have a quality facility. PC will seek donations to support the labs.

e.   Supplies $40,000 (4%): For day-to-day operation supplies, we have designated $10,000 per site over the grant period, which again is lean. PC understands that we all will work to get items donated.

f.   Contractual
Lab Operation $615,650 (62%): Staff $494,865 (50%): 4 FT lab managers ($30,000/yr each) and 12 PT lab assistant ($1 1/hr, 20 hrs/wk), including 27% for FT fringes and 14% for PT. These costs are reasonable and consistent with participating agencies' current pay scale/benefit packages and with local non-profits. Lab Operations-Non Staff $120,758 (12%): Each center will receive approximately $30,000 for lab operations with the largest portion going for space rent of 1000 sq ft at $12/sq ft over the 18-month grant period ($72,000/4 centers). This is a very reasonable rate given normal non-profit rental charges for finished space. The remaining $48,000 is designated for general operations of the four sites.

Content Creation $20,000 (2%): This line item is for production or modification and delivery of online content.

g.   Construction $0: No funds requested.

h.   Other $29,000 (3%): This line item provides funding for a revolving $20,000, 0%-interest loan fund for community residents to purchase a computer; $7,000 in accounting fees ($50/hr); and $2,000 for the audit, including A-133.

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Demonstration of need	Until recently, most funding for broadband access projects has gone to address rural infrastructure issues, which is clearly very important but does not address the problem for urban, lower income citizens. This proposal marks a unique opportunity to bring Federal funding to address broadband issues in urban areas. While there is more broadband infrastructure in place in urban areas, usage and access are still very problematic, particularly for lower income African-American neighborhoods, like those presented in this proposal. It would be difficult to impossible to fund an initiative of this scope and scale relying exclusively on local dollars or by cobbling together programmatic funding which normally targets subsets of lower income residents (e.g. families receiving TANF benefits, families living in public house communities, individuals who dropped out of high school). Most observers realize and the data supports that there is still a pronounced digital divide in the United States for its lower income urban residents. To date, there have been limited opportunities to address these issues on a larger scale. As we have noted in this proposal, WN along with it partners have been able to secure program funding which allows us to address specific, narrowly defined populations but have not, to date, had the opportunity to provide more comprehensive broadband services to our lower income residents. WN is a small nonprofit organization but we have successfully, in our short tenure, secured several grants either directly from the Federal government or from State and Local intermediaries. The Pittsburgh CONNECTS (PC) partners also have had good success at securing Federal dollars for programs or development projects. Until this opportunity, however, there have been limited funding to bring broadband interventions to entire communities. This grant has helped us to bring additional attention to this problem and helped us to raise over 21% in local matching funds. WN and its four community partners have never requested nor been denied funding for a similar project. We do not believe that there has been or that there is currently another source of funding that could provide the requested $784,000 that would make it possible to leverage the

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	$211,000 in local match or open four state-of-the-art laptop libraries complete with SMART Board-equipped training centers, space that is comfortable and inviting, a youth-operated coffee shop and juice bar, a laptop lease-to-buy program, and a trained staff capable of delivering supportive training and education programs for a population that has little to history or success with technology.

45. Funds to States/Territories

States	Amount of Federal Grant Request
Pennsylvania	784,000

Funds to States/Territories Total: $784,000

G. Historical Financials

46. Matching Funds

	2007	**2008**	**2009**
Revenue	699,089	1,206,044	1,455,029
Expenditures	990,659	1,180,406	1,409,957
Net Assets	154,266	179,904	214,976
Change in Net Assets from Prior Year	-291,570	25,638	35,072
Bond Rating (if applicable)			

H. Public Computer Center Summary

47. Jobs

How many direct jobs-years will be created from this project?	18
How many indirect jobs will be created from this project?	2

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How many jobs will be induced from this project?	4

48. Methodology used to estimate jobs:

It is difficult for us to determine the induced and indirect job creation with such global scale guidelines. Therefore we kept our estimates very conservative. We expect that with providing public use of computers to low income individuals, who normally do not have this use, many jobs will be created. Especially since our computer centers will incorporate employment specific activities. However we did not include this number in our estimates since we do not think that is what is being asked in the above formula.

49. Proposed # of Public Computer Centers	
Schools (k-12)	0
Libraries	0
Medical and Healthcare Providers	0
Public Safety Entities	0
Community Colleges	0
Public Housing	0
Other Institutions of Higher Education	0
Other Community Support Organization	4
Other Government Facilities	0

Total Proposed Public Computer Centers	4
Current Total Persons in Service Area	108349

50. Minority Serving Institutions

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Historically Black Colleges and Universities	0
Tribal Colleges and Universities	0
Alaska Native Serving Institutions	0
Hispanic Serving Institutions	0
Native Hawaiian Serving Institutions	0
TOTAL MINORITY SERVING INSTITUTIONS	0

51. Weekly Usage Summary	
Total Current # of Persons Served per 120-hour Business Week	0
Total Proposed # of Persons Served per 120-hour Business Week	800
Total Current # of Persons Served per 48-hour Weekend	0
Total Proposed # of Persons Served per 48-hour Weekend	600

52. Broadband Workstation Summary	
Number of Current Workstations proposed to be upgraded	0
Total Current # of Broadband Workstations	0

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Total Proposed # of Broadband Workstations	160
Average Current Facility Broadband Connection Speed	0.00 Mbps
Average Proposed Facility Broadband Connection Speed	7.00 Mbps

I. Project Readiness

53. Licenses and Regulatory Approvals

This project does not require any licenses and regulatory approvals.

54. Organizational Readiness

Technology Effort: Wireless Neighborhoods (WN) was originally formed in the early 2000s as a voluntary alliance of community and faith-based organizations to explore ways technology could support community efforts to address education, employment and other challenges in Pittsburgh's lower income communities. WN technology efforts to date include the construction, deployment and maintenance of a fixed point broadband network for over 40 community and faith organizations, distribution of over 1500 surplus computers to Pittsburgh Public School families and community groups, and lab support for over 40 organizations. Through our work together, we have been able to better use technology to support specific, narrowly defined populations - e.g. afterschool program participants and job seekers. We have not, however, had the facilities or the resources to significantly impact the broader needs of the lower income communities as a whole. Pittsburgh CONNECTS (PC) will take the lessons learned through our work with these social service providers to build what we consider the next natural incarnation of technology-supported community services. In recent years, it has become obvious that we need to do more to make technology and the competitive advantages it brings more a part of the daily lives of our most vulnerable residents.

Project Management: WN as a relatively young organization has significant project management experience having managed a Community Technology Centers grant and three 21st Century Community Learning Centers grants. Each of these projects, as with PC, has multiple partners from across the city's African-American neighborhoods serving lower income families and children. In each of the last two years, Wireless Neighborhoods and its partners have served over

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600 of the city's most vulnerable children across ten neighborhoods and 13 schools. WN manages the grant, produces the curriculum, trains the partner agency staff, maintains all financial records, and drives data collection and evaluation efforts. WN will manage PC, providing all financial and fiduciary oversight. The organization has managed a US Department of Education Community Technology Center grant, three 21st Century grants from the PA Department of Education, and several significant local foundation grants. The executive director monitors and approves all program expenditures. The organization has a contract with a local accounting firm, in operation for 30 years, to provide all accounting services. The accountant works directly with the WN executive director to manage all accounts payable and receivable, reconcile all of the organization's bank statements monthly, and assist auditing firm DeBlasio & DeBlasio in filing the 990 federal tax return and preparing year-end statements. The board's finance committee meets bimonthly to review WN' s operations budget. Dual signatures are required to disburse funds.

55. Project Timeline and Challenges

October – December 2010
-Public meeting to announce receipt of grant and continue building energy and support around project
- Begin marketing campaign: 1) Articles and advertisements in the Community Bulletin and other periodicals; 2) Door-to-door distribution of flyers; 3) Mass mailings; 4) Phone calls
- Hold a series of community meetings to engage residents and anchors and inform them of Pittsburgh CONNECTS (PC)
- Wireless Neighborhoods (WN), key community partner administrators and anchor institution representatives will hold initial meetings to determine advisory council membership
- Identify PC center locations - Work with partners to identify PC center locations in existing facilities or at convenient neighborhood locations
- Website - Identify a Carnegie Mellon student to develop a website, shared database
- Advisory Council (AC) begins meeting bi-weekly and committees are set up including a resource committee, content committee, and technology and laptop lease-to-own committee
- Series of meetings, led by WN and partner administrators, to begin to set recruitment strategies for staff, Federal work study interns, AARP workers, volunteers, and subsidized youth workers to assist with PC center preparation
- Hire technology coordinator and content specialist
- AC approves lab manager and assistant job descriptions

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- Technology coordinator orders hardware and software and broadband service for the centers, and begins to set up internal WiFi, network computers and printers/scanners, download software, and install SMART Boards in the training area.
- Management team and advisory council begin sustainability planning for centers
January –March 2011
- Lab managers hired and lab assistants added as center traffic dictates
- Two-week intensive training and team-building for the PC staff, volunteers, key administrators and advisory board members
- Centers open from 8 AM-10 PM Mondays through Fridays and from 10 AM-8 PM on Saturdays and Sundays
- Training programs begin, including the first cohort of the Member Credential trainings
- First cohort of Member Training series earns credential and PC memberships Laptop Lease¬to-Buy program begins
March – June 2011
- AC begins meeting monthly to review progress
Benchmarks to Attain by the end of the Quarter:
- 4000 unique end users receive services at the centers
- 2000 residents participate in training/education programs
- 500 Pittsburgh CONNECTS certified members
- 100 laptops purchased through Laptop Lease-to-Buy
October –December 2011
Benchmarks to Attain by the end of the quarter:
- 16,000 unique end users receive services at the centers - 8000 participate in training/education programs
- 2000 Pittsburgh CONNECTS certified members
- 400 laptops purchased through Laptop Lease-to-Buy
- All four sites are sustained with alternative funding arrangements
January –March 2011
- AC monitors progress to ensure that desired benchmarks are sustained

56. SPIN Number

WN does not have a SPIN number.

J. Environmental Questionnaire

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57. **Does this PCC application have construction or ground disturbing activities?**

No

If no, please answer the questions below. If yes, please do not answer the questions below and instead proceed to the next page to answer the expanded environmental questionnaire.

58. Does the proposed action involve the procurement of materials? If so, will the materials be installed, stored or operated in an existing building or structure? If yes, please click "Add" to include the list of equipment and peripherals to be procured.

No

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

Yes

60. Does the proposed action involve construction, remodeling, or renovation? If so, will these activities be limited to only minor interior renovations to a structure, facility, or installation? If yes, click "Add" to include a description of the proposed renovations with your project summary.

No

61. Does the proposed action involve the production and/or distribution of informational materials, brochures, or newsletter?

Yes

62. Does the proposed action involve training, teaching, or meeting facilitation at an existing facility or structure? If yes, click "Add" to explain.

Yes

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This will be a location to be determined by PC partners. All space will need to meet the requirements of the project and/or the guidelines imposed via grant. WN has an extensive history in assisting partner organizations in implementing community computer learning labs in an urban setting.

63. **Does the proposed action involve ground or surface disturbance to accommodate new fiber optic cable? If yes, please click "Add" to include a description of the extent of service upgrade, a list of the permits required, and linear footage of underground fiber optic cabling required.**

No

64. **Does the proposed action involve an upgrade of broadband service to an existing facility or structure? If yes, please include a description of the extent of service upgrade, a list of the permits required, and linear footage of underground fiber optic cabling required?**

No

K. Environmental Questionnaire – Part 2

65.   **Project Description**

66. **Property Changes**

67. **Buildings**

68. **Wetlands**

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69. Critical Habitats

70. Floodplain

71. Protected Land

72. Coastal Area

73. Brownfield

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Uploads

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

Upload Name	File Name	Uploaded By	Uploaded Date
Management Team Resumes and Organization Chart	Pittsburgh CONNECTS Organizational Chart.pdf	MacIsaac, Stephen	03/15/2010
Management Team Resumes and Organization Chart	Pittsburgh CONNECTS Management Resumes.pdf	MacIsaac, Stephen	03/15/2010
Government and Key Partnerships	Partnership Letters_Pittsburgh CONNECTS.pdf	MacIsaac, Stephen	03/15/2010
Historical Financial Statements	2008-09 Audited Financial Statements.pdf	MacIsaac, Stephen	03/15/2010
Historical Financial Statements	2007-08 Audited Financial Statements .pdf	MacIsaac, Stephen	03/15/2010
Public Center Detail	PCC Details_Pittsburgh CONNECTS.xls	MacIsaac, Stephen	03/15/2010
Detailed Budget	PCC-SBA-Detailed Budget - Pittsburgh CONNECTS BEST.xls	MacIsaac, Stephen	03/15/2010
BTOP Certifications	BTOP Certification.pdf	MacIsaac, Stephen	03/15/2010

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SF424 Budget (A or C)	Pittsburgh CONNECTS Form 424a.pdf	MacIsaac, Stephen	03/15/2010
SF424 B and D Assurances	SF424B_Pittsburgh CONNECTS.pdf	MacIsaac, Stephen	03/15/2010
SF424 B and D Assurances	SF424D_Pittsburgh CONNECTS.pdf	MacIsaac, Stephen	03/15/2010