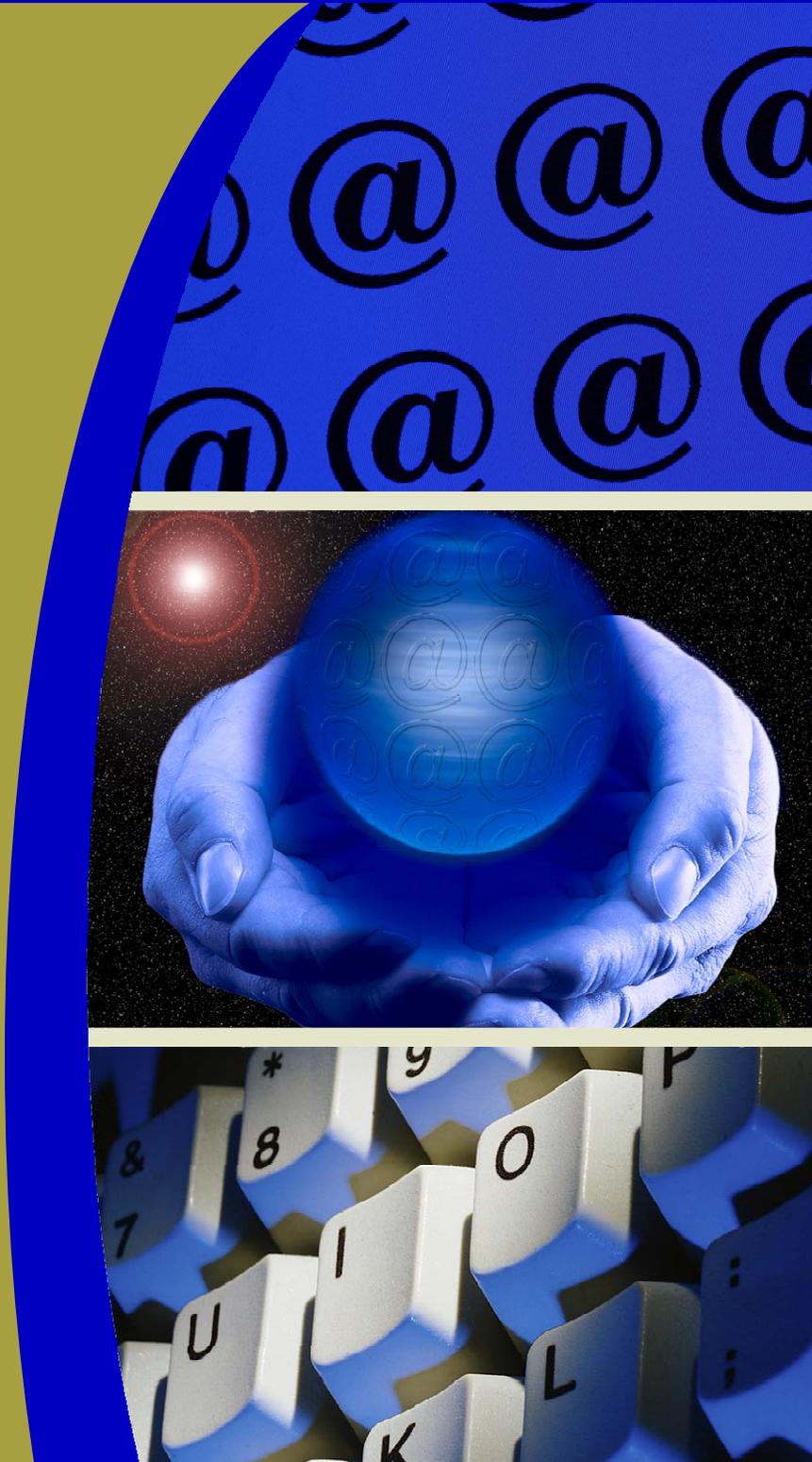


**NEW YORK STATE  
BROADBAND DEVELOPMENT AND DEPLOYMENT COUNCIL  
2009 ANNUAL REPORT**



2009

***Connecting New York To The World  
For Sustainable Adoption***

# Message from Broadband Council Chair



## To Our Broadband Community:

On behalf of the New York State Broadband Development and Deployment Council, I am pleased to present our 2009 New York State Universal Broadband Annual Report.

Governor David A. Paterson envisions a day when every New Yorker has access to affordable high-speed broadband Internet service. Deploying broadband infrastructure and leveraging federal and state funds helps citizens connect to educational and work opportunities, fosters more economic development, businesses can access new markets and create jobs, and enables universities to conduct high-tech research and development projects to spur innovation.

During 2009, the State is proud to report the following major achievements to advance broadband capabilities for New Yorkers:

- Governor Paterson issued Executive Order 22 to formally establish the Broadband Development and Deployment Council and require a broadband map of unserved and underserved community across the State;
- The former Broadband Council developed and recommended statewide digital literacy standards to the State Department of Education to adopt statewide minimum computer proficiency skills for schools;
- CIO/OFT established the Broadband Program Office to oversee the State's Broadband Plan; to provide project oversight, and to coordinate all federal and state broadband grant programs. Also, the office facilitated the submission of 22 NYS grant applications totaling \$775 million for Round 1 Stimulus Broadband Funding;
- Governor Paterson established the Innovation Matching Grant Fund, which awarded \$4.95 million in matching funds to private broadband grant applicants;
- New York State was also awarded \$2.5 million, one of the largest mapping grants from the federal stimulus Broadband Technologies Opportunity Program (BTOP), to map the State. New York's predictive mapping model developed in 2008, for mapping underserved and unserved urban and rural communities by the former Broadband Council, was already considered a best practice model;
- The first NYS Mapping Report was delivered to the National Telecommunications and Information Administration (NTIA), one of the first State's to deliver the Report ahead of schedule.
- New York State public and private organizations were awarded approximately \$78 million in federal stimulus grants; and
- The State issued an enhanced New York State Broadband Strategy that was published to incorporate the federal stimulus funding criteria and priorities.

The Broadband Development and Deployment Council continues to build on the work of the previous Universal Broadband Council. I am especially grateful to the members of our former Council for their willingness to be the first group to be at the leading edge of this challenge for our State. However, our work has just begun and much more must be done.

We will continue to implementing strategies to establish digital literacy standards and ensure universal broadband Internet services are accessible and affordable for citizens and businesses. New York will continue to advance New York's broadband goals. We have many successes to build on as you will learn throughout this report. With the vision and support of Governor Paterson, and the leadership of the NYS Broadband Development and Deployment Council, New York will remain a national leader of broadband development for the benefit of our state's citizens, businesses, and visitors.

Cordially,

A handwritten signature in black ink that reads "Melodie Mayberry-Stewart". The signature is written in a cursive, flowing style.

Melodie Mayberry-Stewart, Ph.D.  
NYS Chief Information Officer, Director of the Office for Technology and  
Broadband Development and Deployment Council Chair

## Stimulating Broadband Demand

**2009 NYS Broadband Development and Deployment Council Annual Report  
(Published May 2010)**

<b>Executive Summary .....</b>	<b>4</b>
<b>How Does New York Rank Nationally And Globally?.....</b>	<b>6</b>
<b>Improving Broadband Adoption Rates .....</b>	<b>7</b>
<b>Improving Broadband Through Better Governance.....</b>	<b>8</b>
<b>Advancing Our Broadband Agenda Through Technical Committees.....</b>	<b>10</b>
<b>Strategic Roadmap Leads The Way And Sets Priorities.....</b>	<b>11</b>
<b>2009 Broadband Year At A Glance.....</b>	<b>12</b>
<b>New York State Broadband Program Office Established.....</b>	<b>14</b>
<b>Maximizing Federal Broadband Stimulus Funds To New York.....</b>	<b>16</b>
<b>Bringing Broadband To New York’s Communities.....</b>	<b>17</b>
<b>Connecting New York’s Communities Using State Grant Program.....</b>	<b>18</b>
<b>Funding Broadband To Spur Innovation.....</b>	<b>19</b>
<b>Mapping Broadband Across New York Receives National Funding.....</b>	<b>20</b>
<b>Advocating A Campaign For Change .....</b>	<b>21</b>
<b>Focusing On 2010 Priorities .....</b>	<b>22</b>
<b>Special Acknowledgements .....</b>	<b>23</b>

**Stimulating Broadband Demand**

# Executive Summary

*"In building the New Economy, we cannot afford to leave any part of New York State without modern, high-speed connection to the internet. The internet is essential not only for jobs and business opportunities, but also for public safety, education and access to health and other services. In these challenging fiscal times, we must take every opportunity to maximize federal stimulus funding opportunities to help make necessary investments to strengthen our communities and grow our economy, especially providing affordable access to high-speed Internet service throughout New York."*

- Governor David A. Paterson



Building world-class broadband networks to connect New York's communities to the world remains a critical infrastructure challenge for the state, but it is a challenge the state does not shy away from. **Governor Paterson firmly believes access to affordable, high-speed Internet service is a fundamental component for the New Digital and Innovation Economy in New York State.** His Administration has taken measured steps to ensure New York is well positioned to rebound from the nation's economic downturn and has promoted a statewide broadband strategy and governance structure to strengthen essential infrastructure, including broadband and telecommunications infrastructure, needed to facilitate the state's recovery where broadband enables that recovery and creates jobs.

In February 2009, the **New York State Economic Recovery and Reinvestment Cabinet was formed to manage the development of state and local infrastructure projects financed through the federal American Recovery and Reinvestment Act (ARRA).** Concurrently, CIO/OFT established a Broadband Stimulus Program Office to support and complement the Cabinet's efforts directly related to broadband infrastructure projects and funding. ARRA provides \$7.2 billion to fund projects to expand access to, and adoption of, broadband services. Together, **CIO/OFT and the New York State Recovery Cabinet provided a continuous flow of information and technical assistance to urban and rural communities and organizations seeking ARRA broadband stimulus funds.**

To bolster any federal grants awarded to New York State, **Governor Paterson announced the Innovation Economy Matching Grants Program, which is administered through NYS Foundation for Technology and Research (NYSTAR).** This program provide a 10 percent match for every stimulus dollar the federal government awards through competitive grants to research facilities, municipalities, and businesses in New York State. The program ensures new research centers are built in New York and positions the state for future federal grants and private investment.

In September, more than 140 New York State government agencies and non-government organizations applied for nearly \$1 billion in Round 1 federal stimulus grants to make broadband service universally available in unserved and underserved, rural and urban communities across the State. The proposed projects would increase Internet access coverage throughout New York, increase digital literacy programs, and spur economic development.

Despite the overwhelming response to the call for federal broadband grant applications, the Round 1 application process did not focus on a key component of the state's broadband priorities, which is public safety. **New York initiated the "Campaign for Change" to advocate for modifications to future rounds of federal broadband funding to focus on broadband to support public safety.** New York State was a leading voice among the states on Capitol Hill to request changes to the Round 2 application. Governor Paterson sent letters to federal officials and dispatched senior administration officials, including the state Chief Information Officer, to make New York's case before the National Telecommunications and Information Administration (NTIA), the Rural Utilities Service (RUS), and the Federal Communications Commission (FCC). Advocacy efforts across the country were successful and significant adjustments were made to the Round 2 funding criteria benefiting all applicants nationwide.

Building The New Innovation  
And Digital Economy

# Executive Summary

In October 2009, **New York State was awarded \$2.5 million in federal stimulus funding for broadband mapping and planning activities to map New York's unserved and underserved, urban and rural areas to facilitate efficient deployment of high-speed Internet access across the State.** The New York State Office of Cyber Security and Critical Infrastructure Coordination (CSCIC) is the lead agency for statewide coordination of Geographic Information Systems (GIS) resources, as well as mapping of critical infrastructure.

**Five federal broadband applicants from New York State received ARRA funding totaling \$78 million.** A partnership between ION, a for-profit company based in Albany, and the Development Authority of the North Country (DANC) was awarded \$39.7 million in federal funds to develop a regional broadband network to connect more than 100 community institutions, including libraries, state and community colleges and health clinics. Slic Network Solutions, a wholly-owned subsidiary of Nicholville Telephone, was awarded \$5.4 million in federal funds to build a fiber optic network in rural Franklin County. In addition, the New York State Education Department was awarded \$9.5 million grant to expand public computer center services to 41 upstate counties and New York City was awarded \$22 million to help disadvantaged students and spur broadband adoption. One Economy Corporation has allocated \$507,207 in their proposal for the State of New York. This program will provide wireless Internet access and comprehensive computer training programs to residents of public housing developments and low-income communities in New York State. Total investments of the projects is \$107.7 million with \$4.96 in state matched funds.

When **Governor Paterson signed Executive Order 22 creating the New York State Broadband Development and Deployment Council, he sent a clear message to all broadband stakeholders that New York views the digital divide as a top priority.** Prior to the Executive Order, the New York State Universal Broadband Council — an ad hoc advisory group formed in 2007 — began New York's first foray into broadband policy and strategy development for the state. The former group was highly committed to advancing a statewide strategy that would close the digital divide across the state and increase digital literacy and broadband adoption rates.

Executive Order 22 formalized the Council's governance structure and officially charged the Council to serve as the state's chief advocate for broadband development to promote long term growth and enhance delivery of broadband services. **The new Broadband Council gets work done through four technical committees to increase broadband infrastructure; expand digital literacy and adoption rates; improve access to online government services; and foster economic development by leveraging federal stimulus funds and public private partnerships to meet the State's broadband goals.**

**Publishing the New York State Universal Broadband Strategic Roadmap ranks at the top of accomplishments. The Roadmap is a vital tool for any organization, public or private, seeking to develop broadband connectivity or applications in the state.** The goals set forth in the Broadband Roadmap will be achieved by executing sound fiscal management practices, leveraging existing state-owned and privately held assets, exploiting state procurement models for cost-efficiency, engaging in state agency program collaboration, championing public/private partnerships whenever feasible, and insisting on supplier diversity to deploy broadband services.

This has been a year of forward momentum. **Challenges still remain, but New York State is better poised to eliminate the digital divide and ensure every community, business, resident and visitor has the resources they need to live, work and enjoy all that New York has to offer through the Internet.**

*"In these challenging fiscal times, we must continue to make careful investments that create jobs, and increase economic development while driving down costs. Extending high speed Internet access to the unserved and underserved, urban and rural communities will have a positive impact on the economy, education and families, while creating the foundation for economic progress for decades to come."*

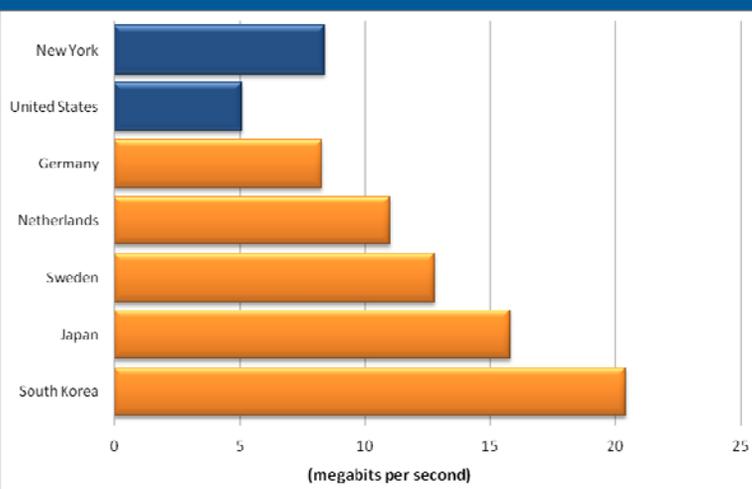
**- Kristin Proud, Deputy Secretary for Human Services, Technology and Operations and Senior Advisor to the Office of Taxpayer Accountability**



**Building The New Innovation  
And Digital Economy**

# How Does New York Rank Nationally And Globally?

**2009 Average Download Speeds  
(New York State Compared to Leading Countries)**



## Comparing New York On A Global Scale

According to Speed Matters, a project of the Communications Workers of America, New York State outpaces the nation as a whole in both average upload and download speeds. In just one year, New York State doubled average download speeds from 4.14 mbps in 2008 to 8.4 mbps in 2009, staying above the national average of 5.1 mbps.

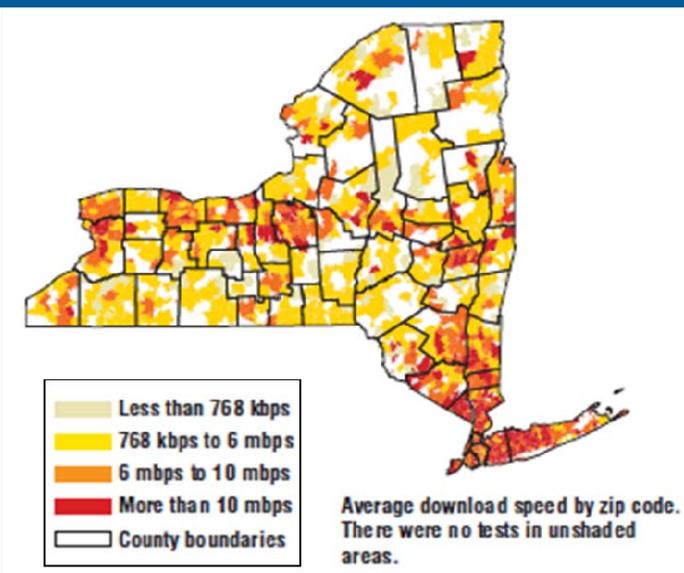
## Disparity In New York

Across New York State there remains a disparity in average download speeds. As one might expect the **major metropolitan areas have high speed download rates averaging more than 10 mbps, while the majority of the state's rural regions have average download rates of less than 6 mbps.** In addition, large regions of the State, with protected lands such as the Catskill Park and Adirondack Park Regions, remain largely unserved by high-speed broadband.

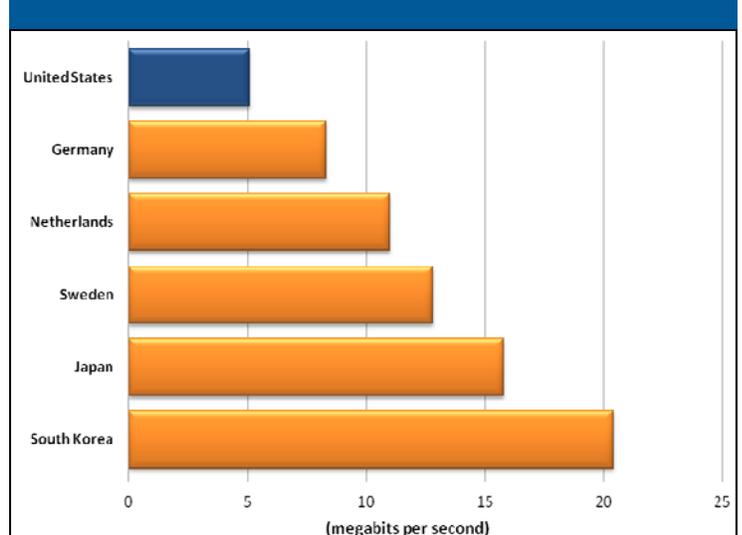
## U.S. Lags Behind Many Countries Globally

The 2009 Speed Matters Study reports the **United States ranks 28<sup>th</sup> among nations around the world with an average download speed of 5.1 mbps.** South Korea provides average download speeds greater than 20 mbps and Japan averages greater than 15 mbps to rank first and second respectively in the world.

**2009 Average Download Speeds Across New York State  
By Zip Code**



**2009 Average Download Speeds  
(U.S. Compared to Leading Countries)**



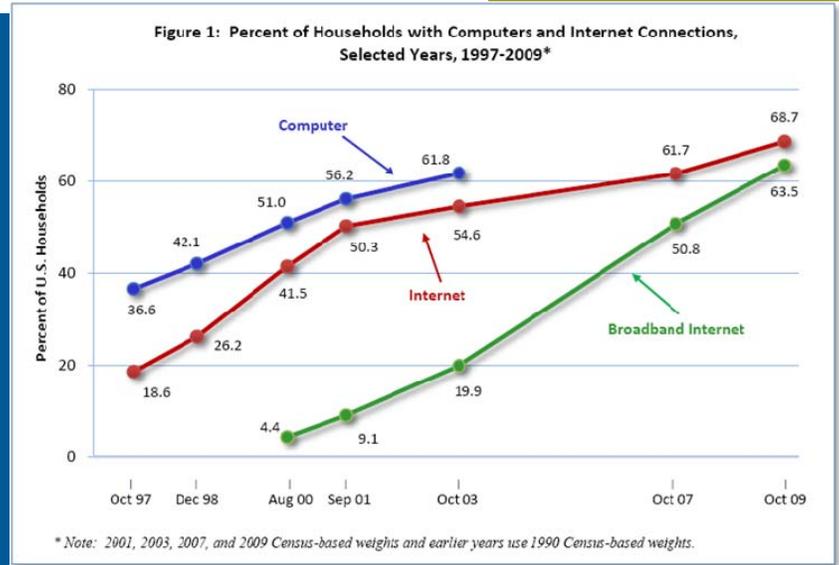
Source: CWA, Speed Matters, August 2009

**Building The New Innovation  
And Digital Economy**

## Adoption Rates Improve

In October 2009, according to the Census Current Population Survey data, **63.5 percent (75.8 million) of U.S. households used a high-speed Internet “broadband” service** (i.e., technologies that are faster than dial-up, such as DSL, cable modem, fiber optics, satellite, and wireless). **This represented a 25 percent increase from just two years earlier (50.8 percent in October 2007).**

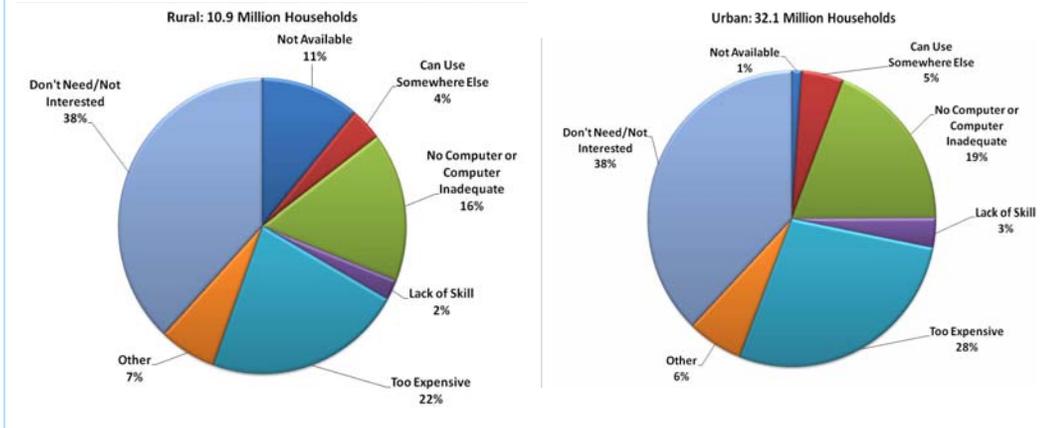
Overall, the two most important reasons for no broadband access at home are “don’t need” and “too expensive”. Households without high-speed Internet access at home stated that “don’t need” (a value proposition) is more important than cost (affordability). The next most important reason is “no computer or inadequate computer,” followed by “can use somewhere else,” “not available,” and “lack of skill.” In rural America, “not available” is a much more important reason for non-adoption of home broadband than in urban areas. “Don’t need” and cost ranked highest in both categories, and the “no computer or computer inadequate” issue ranked third. **However, “not available” accounts for more than 10 percent of the main reasons for non-use in rural areas, but accounts for only about a one percent factor in urban areas.**



*“By increasing broadband adoption rates throughout our country and state, citizens can connect to educational and training opportunities; communities can foster economic development; businesses can access new markets and create jobs; and our schools, colleges and universities can conduct high-tech research and development.”*

**- Dr. Melodie Mayberry Stewart, NYS CIO, Director of the Office for Technology, and Broadband Development and Deployment Council Chair**

**Figure 9: Main Reasons for No High-Speed Internet Use at Home, Rural/Urban 2009**



Source: US Department of Commerce and the NTIA

# Improving Broadband Development Through Better Governance

*"In order to advance the state's efforts in expanding our new economy, we have to ensure that every innovative thinker throughout the state has a reliable high speed broadband connection. This is an essential step in giving entrepreneurs and businesses an opportunity to collaborate and create new market opportunities for job growth in New York State."*

- Edward Reinfurt  
Executive Director, NYS  
Foundation for Science,  
Technology and Innovation  
(NYSTAR)

## NYS Broadband Development and Deployment Council Established By Governor Paterson's Executive Order 22

The New York State Council for Universal Broadband, organized in late 2007 was created as an advisory group to focus New York's efforts to close the digital divide and make broadband accessible to all New Yorkers. The Council established a comprehensive and holistic broadband strategy focused on infrastructure build out, digital literacy expansion, economic and workforce development growth, and expanded use of online government services (e-government) over the Internet.

**To formalize the work undertaken by the Advisory Council and to establish a stronger foundation for efforts going forward, Governor Paterson signed Executive Order 22 in June 2009, which created the New York State Broadband Development and Deployment Council.** The new thirteen-member Council, chaired by the New York State Chief Information Officer, was charged to serve as the state's chief advocate for broadband strategy development and deployment to promote long term growth and enhance delivery of broadband services across the State.

The Council gets work done through four technical committees which focus on: increasing broadband infrastructure, expanding digital literacy and adoption rates, improving access to online government services, fostering economic development and leveraging federal stimulus and state funds and public/private partnerships to meet the State's broadband goals.

*"It's an honor and privilege, representing the telecommunications and cable industry, to serve on Governor Paterson's Broadband Development and Deployment Council and to play a small part in the critical effort to advance broadband services in New York State".*

- Thomas Dunleavy  
Retired, Public Service  
Commission and  
Broadband Council  
Representative for the  
Cable and Telecom  
Industry



Members of the New York State Broadband Development and Deployment Council

# Improving Broadband Development Through Better Governance

## Engaged Experts Advance NYS Broadband Strategy

Having expert knowledge engaged in broadband strategies and innovative ideas are critical to close the digital divide in New York State and ensure all New Yorkers have access to affordable broadband services in underserved and underserved urban and rural communities. Governor Paterson appointed a distinguished and knowledgeable group to serve on the Broadband Development and Deployment Council.

Members of the Council reflect a variety of backgrounds, including private industry and municipal and State government. Each member is a proven leader and expert in broadband technology and strategy. **The Council, chaired by Dr. Melodie Mayberry-Stewart, has twelve additional members** comprised of state agency commissioners, public municipal organizations, non-profit associations, and representatives of the broadband provider community.

Ex-Officio Members of the Broadband Council are:

- **Dr. Melodie Mayberry-Stewart, Chair**, New York State Chief Information Officer and Director, Office for Technology (CIO/OFT)
- **Garry A. Brown**, Chairman, NYS Public Service Commission (PSC)
- **Stanley Gee**, Acting Commissioner, Department of Transportation (DOT)
- **Robert Megna**, Director, Division of the Budget (DOB)
- **Dennis M. Mullen**, Chairman and CEO Designate, Empire State Development Corporation (ESDC)
- **William Pelgrin**, Director, Office of Cyber Security and Critical Infrastructure Coordination (CSCIC)
- **Edward Reinfurt**, Executive Director, NYS Foundation for Science, Technology and Innovation (NYSTAR)

At-Large Appointed Members of the Council are:

- **Stephen Acquario**, Executive Director, NYS Association of Counties (NYSAC)
- **Michael J. Borges**, Executive Director, New York Library Association
- **Edward Hemminger**, Chief Information Officer, Ontario County; President, NYS Local Government Information Technology Directors Association (NYSGLITDA)
- **Thomas Dunleavy**, Public Service Commission (Retired), Industry Representative
- **Senator Kevin S. Parker**, NYS Senate Representative
- **NYS Assembly Representative**, To Be Appointed



Broadband Development and Deployment Council Members participate in the first quarterly meeting.



Broadband Council members listen to an update on federal broadband stimulus activities and grants awarded to New York State.



Technical Committee Chairs provide updates to Broadband Council Members:  
Top to Bottom: Michael Borges, Dr. Daniel Chan, Ed Reinfurt, Michael Ridley.

## Technical Committees

Four technical committees were established to implement the Broadband Strategy and support the work of the Broadband Council. Members of the technical committees include Council members, subject matter experts and corporate partners. Priorities of the Technical Committees in 2010 include commissioning the New York's first statewide adoption rate study and an institutional bandwidth needs survey. The Technical Committees are the operational arms of the Council. The policies, recommendations, and results reported by the committees form the basis of New York State's Broadband Strategy. The Council will also monitor ARRA funds that flow into the State and other broadband investments in infrastructure and digital literacy programs.

The purpose of the four Technical Committees and their Chairs and Co-Chairs are the following:

- **Digital Literacy and Adoption** to address affordability, computer ownership, and adoption, digital literacy, training and consumer education.  
**Chair:** Michael Borges, Executive Director, NY Library Association  
**Co-Chairs:** Bernie Margolis, Assistant Commissioner for Libraries, NYS Education Department  
David Walsh, CIO, NYS Education Department
- **E-Government Expansion** to increase access to government services offered online and promote the development of open, simple and secure online applications.  
**Chair:** Dr. Daniel Chan, CIO, NYS Office of Temporary and Disability Assistance  
**Co-Chairs:** Thomas Herzog, CIO, NYS Department of Correctional Services  
Jeanne Weber, Director, Suffolk Regional Information Center
- **Economic Development and Infrastructure** to focus on building stronger economies, promoting the economic growth of New York State by increasing business activity, identifying and implementing public/private partnerships and determining strategies to create and maintain a skilled and professional high-tech workforce.  
**Chair:** Ed Reinfurt, Executive Director, NYS Foundation for Science, Technology and Innovation (NYSTAR)  
**Co-Chairs:** Ed Hemminger, CIO, Ontario County  
Howard Lowe, Director of Technical Assistance Center, SUNY Plattsburgh
- **Planning and Policy** to focus on recommending and advocating for broadband policies at the state and federal levels  
**Chair:** Michael Ridley, Director of High Performance Computing, NYSTAR  
**Co-Chairs:** Chad Hume, Director of the Office of Telecommunications, NYS Public Service Commission

*"A special thank you to our Chairs and Co-Chairs of the Technical Committees who serve to implement the Broadband Strategy and support the work of the Broadband Council. These leaders are helping to advance Governor David A. Paterson's broadband vision for "Every New Yorker to have access to affordable universal broadband."*

**- Dr. Melodie Mayberry-Stewart, NYS CIO, Director of the Office for Technology, and Chair of the Broadband Development and Deployment Council**

# Strategic Roadmap Leads The Way And Sets Priorities

## NYS Universal Broadband Strategic Roadmap Enhanced

The New York State Council for Universal Broadband (Council) was formed to advance Governor David A. Paterson's vision to provide universal broadband access for all New Yorkers. The former Council assumed responsibility for developing the state's first Broadband Strategy. In June 2009, the new Council updated and published an enhanced Broadband Strategic Roadmap.

The New York State Universal Broadband Strategic Roadmap was published to provide a strategic framework to expand broadband coverage and speed. The strategy is a comprehensive and balanced mix of broadband infrastructure expansion and effective community outreach programs to stimulate demand, promote digital literacy, and educate disadvantaged, disenfranchised, and uninformed populations for sustainable adoption. This holistic approach emphasizes innovative solutions to increase broadband availability in unserved and underserved, urban and rural areas of the state, and focuses on increasing digital literacy and broadband adoption rates. The Strategy envisions creating more "e-citizens" who are digitally literate and connected to affordable Internet service, so they are full participants in the Information Age and Digital Economy. Additionally, the Strategy aligns with broadband grant provisions of the American Recovery and Reinvestment Act, which provides national funding to expand broadband access to underserved and unserved, urban and rural areas.

New York State's Strategic Roadmap is not just about infrastructure, but rather, what infrastructure can do for the state, its citizens, its businesses, and its visitors. In the 21<sup>st</sup> century, access to broadband service is a necessity for economic competitiveness, homeland security, healthcare, education, social opportunity and equity. While building infrastructure to increase broadband availability is important, ensuring citizens using technology can improve their quality of life is equally important. If broadband is available, but not affordable, its full value to New Yorkers cannot be achieved. Similarly, if broadband is available and affordable, but citizens have not been exposed or educated to its capabilities and benefits, the state's vision cannot be realized. Technology adoption and cultural barriers must be overcome.

Computer ownership and network connection adoption rates of 100 percent are relatively easy in affluent communities. The challenge is to bring the benefits of this technology infrastructure, and the increasingly rich educational, health, government, training/retraining and entertainment capabilities to all New Yorkers.

A copy of the state's Universal Broadband Strategic Roadmap can be found at [www.cio.ny.gov/assets/documents/Final\\_Broadband\\_Strategy\\_June2009.pdf](http://www.cio.ny.gov/assets/documents/Final_Broadband_Strategy_June2009.pdf).

## Broadband Program Office Delivers Immediate Updates On Stimulus Activities

The NYS Broadband Program Office, operated by CIO/OFT, in partnership with the NYS Department of Public Service and the NYS Foundation for Science, Technology, and Innovation, issued 42 Broadband Stimulus Flash Bulletins in 2009. The Flash Bulletins, distributed every week help broadband applicants and key stakeholders stay updated on new developments in broadband stimulus activities and alerts them of ways to maximize funds to New York State. To receive the weekly Flash Bulletins, visit <http://www.nysbroadband.ny.gov/news/flashbulletin.htm> and subscribe.



Keeping Our Community  
Informed

# Our 2009 Broadband

## President Obama Signs ARRA Legislation

President Barack Obama signed the American Recovery and Reinvestment Act (ARRA) of 2009 on February 17. The legislation provided nearly \$800 billion to boost the American Economy. The ARRA is the first legislation that included large-scale federal funding for broadband infrastructure and deployment, with a \$7.2 billion investment allocated between two programs, the Broadband Technology Opportunities Program and the Broadband Infrastructure Program (BIP).

## NYS Launches Broadband Federal Stimulus Website

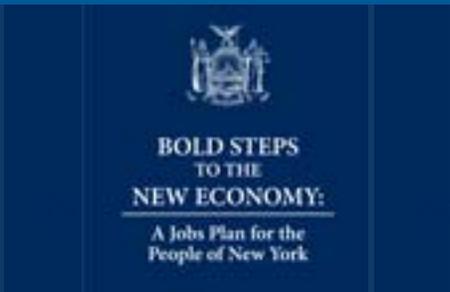
CIO/OFT launched a website dedicated to broadband-related federal stimulus activities. The website provides up-to-date broadband stimulus news, press releases and links to federal and state broadband stimulus resources. Launched in April, the website is part of New York's commitment to provide accountability and oversight of all ARRA programs and projects. For the latest updates visit [www.nysbroadband.ny.gov](http://www.nysbroadband.ny.gov).

## Governor Signs Executive Order To Establish Broadband Council

In June, Governor Paterson signed Executive Order 22 establishing the NYS Broadband Development and Deployment Council. Executive Order 22 formalizes the state's Universal Broadband Council, and builds on the previous Advisory Councils work to encourage the deployment of broadband to all New Yorkers. The Council will develop and implement a strategy and goals to increase infrastructure projects and stimulate broadband demand across the State.



jan feb mar apr may jun



## Governor Paterson Launches NYWorks Web Portal For ARRA Economic Recovery

Governor Paterson launched the state's website for Economic Recovery [www.recovery.ny.gov](http://www.recovery.ny.gov). NYWorks serves as a central guide to federal and state economic recovery projects and funds. Users can submit proposals, track how funds are spent and get valuable information regarding new developments. It also links to other recovery resources and agency recovery websites such as the Broadband Stimulus Website at [www.nysbroadband.ny.gov](http://www.nysbroadband.ny.gov).

## First Statewide Broadband Stimulus Information Session Held

Anthony Giardina, Assistant Secretary for Economic Development and Upstate Recovery, discussed the importance of the broadband provisions of the ARRA Act during the first Broadband Information Session. More than 150 people from communities, libraries, schools, and not-for-profits, state agencies, broadband providers and leaders attended to learn how the federal economic stimulus monies may be used to bring more broadband access to all New Yorkers.

## Governor Paterson Announces NYS Innovation Economy Matching Grants Program

The Innovation Economy Matching Grants Program, launched in June, provides a 10% match for every stimulus dollar the federal government awards through competitive grants to research facilities in NY State. The program was announced in Governor Paterson's Jobs Plan for the People of New York to help boost industries like broadband, telecommunications, science and engineering, patent development and alternative energy use.

# Year At A Glance

## Vice President Biden Announces Round 1 Broadband Funding

Vice President Biden kicked off the first federal broadband funding cycle July 1 in Wattsburg, Pennsylvania, by announcing the availability of \$4 billion in American Recovery and Reinvestment Act loans and grants to help bring broadband service to unserved and underserved communities across America. Members of the NYS broadband Program Office attended the event.

## \$775 Million In NYS Broadband Stimulus Applications Submitted

Governor Paterson announced 22 New York State government agencies and non-government organizations applied for approximately \$775 million in federal stimulus grants to make broadband service universally available in unserved and underserved communities across the state. The projects will provide greater Internet access throughout the state, increase digital literacy programs, and spur economic development.

## Governor's Office Welcomes New Broadband Development And Deployment Council Members At Kick-Off

Kristin Proud, Deputy Secretary for Human Services, Technology and Operations and Senior Advisor to the Office of Taxpayer Accountability, welcomed Council members to the first Broadband Development and Deployment Council meeting held in December 2009.



jul

aug

sep

oct

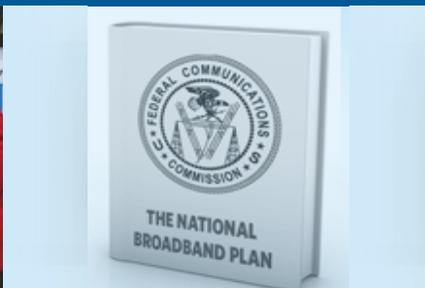
nov

dec



## State Funds Help Albany Expand Free Broadband And Digital Literacy Programs

Dr. Mayberry-Stewart; Albany City Mayor Gerald Jennings; Kevin O'Connor, CEO Tech Valley Communications; Stephen Rayment, CIO BelAir Networks; and Carol Nersinger, Executive Director, Albany Public Library, cut the wire for the expansion of FreeNet — a program to increase free broadband and digital literacy training for Albany. NYS and CIO/OFT awarded a \$630,000 grant to the program. This was one of nine broadband grants awarded by CIO/OFT.



## New York Advocates For Change To Broadband Federal Policy

Following the release of the Round 1 Notice of Availability Funding (NOFA), NYS officials urged the U.S. Department of Commerce to include funds for public safety broadband communications and access to affordable broadband for vulnerable populations in the second NOFA. Also, CIO/OFT and CSCIC submitted comments to the FCC urging them to adopt strategies in the National Broadband Plan that promote the realization of public safety mobile wireless broadband networks and cyber security.



## Deputy Commerce Secretary Comes To NY To Make Round 1 Awards for \$78 M

Four Broadband Development projects in New York State received \$78 million. Two projects, ION/DANC and Slic Network Solutions will improve broadband infrastructure and connections, and the NYS Library and NY City award will enable the purchase of equipment to expand the public's access to computers and teleconferencing. NYS is also providing a 10% match of \$4.96 million to the ION/DANC project.

# NYS Broadband Program Office Established

## Promoting Transparency in NYS For Broadband Stimulus

To promote transparency and openness with broadband stimulus funding, New York State launched a unique website designed to provide information on broadband stimulus funding under the American Recovery and Reinvestment Act and highlight how broadband stimulus money is spent.

[www.nysbroadband.ny.gov](http://www.nysbroadband.ny.gov)

attracts more than 20,000 visitors per month.



*“The NYS Public Service Commission is pleased to collaborate with the NYS Broadband Program Office on initiatives to ensure our broadband service providers are fully aware of all federal and state funding opportunities. New York will continue leading the way with innovative broadband projects that close our coverage gaps and decrease the digital divide.*

**- Garry Brown, Chairman,  
NYS Public Service  
Commission**

## NYS Broadband Program Office Established

The New York State Broadband Program Office was formed to serve a variety of program purposes. In addition to being the single point of contact for all State issues related to broadband, the Program Office is a facilitator and conduit for the State to secure federal funds to ensure every New Yorker has access to affordable high speed Internet service.

## Collaboration Is Key to Achieve Broadband Goals

The NYS Broadband Program Office coordinates broadband projects across the State and collaborates with broadband project sponsors to maximize broadband investments to the State. The Office coordinated state agency grant submissions to maximize grant opportunities with shared project goals. **Throughout the federal broadband grant opportunity window, the Office helped manage state broadband grant solicitations, RFP's and maintains a physical repository of original documents related to: FCC, NTIA, RUS and all broadband related federal filings.** (Cross-agency collaboration is fundamental to the success of broadband.) The Office collaborates with NYS Office of Cyber Security and Critical Infrastructure (CSCIC) to map broadband availability. The Office also maintains close working relationship with other partner agencies such as NYS Foundation for Science, Technology and Innovation (NYSTAR) and NYS Public Service Commission (PSC).

## Coordination At Local, State, and Federal Levels A Must

The NYS Broadband Program Office **planned and coordinated quarterly Broadband Development and Deployment Council meetings** and supported activities and efforts of the four technical committees. The Office **also reviews and recommends changes in laws, rules, programs and policies of New York State** to advance financing opportunities for broadband infrastructure build out and development. The Office maintains original documentation related to the activities and functions of the Broadband Development and Deployment Council, including meeting minutes, non-disclosure agreements, and other related program materials most of which are posted at [www.nysbroadband.ny.gov](http://www.nysbroadband.ny.gov).

The Broadband Program Office is uniquely positioned to **track federal funding opportunities related to broadband infrastructure build out and digital literacy initiatives.** The Office is fully engaged in state, multi-state, federal, and international discussions on broadband related issues, including broadband deployment, digital literacy, and the National Broadband Plan. Throughout the year, **the Broadband Program Office contributed to broadband-related federal (FCC and NTIA) public comments and ex-parte communications.** These comments are available to the public. The office also reviewed and recommended changes in laws, rules, programs and policies of New York State to advance financing opportunities for broadband.

**Collaborating And Creating To  
Achieve Broadband Vision**

# NYS Broadband Program Office Established

## Frequent Communications Reaches All Stakeholders

The NYS Broadband Program Office issues updates on broadband developments, information and activities in the **weekly Broadband Stimulus Flash Bulletins**. To subscribe to the weekly flash bulletins, visit [www.nysbroadband.ny.gov/news/flashbulletin.htm](http://www.nysbroadband.ny.gov/news/flashbulletin.htm).

The Broadband Management Program Office conducts numerous conference calls throughout the year to provide updates to Council members and broadband stakeholders statewide. In addition, **the NYS Broadband Program Office, in collaboration with the Governor's Recovery and Reinvestment Cabinet, conducts information sessions and regional town hall-style workshops to gather input and disseminate information** about the state's broadband initiatives, community needs and federal broadband stimulus funding opportunities.



Rico Singleton, NYS Deputy CIO; Kristin Proud, Deputy Secretary for Human Services, Technology and Operations and Senior Advisor to the Office of Taxpayer Accountability; and David Salway, Broadband Program Officer Director listen to updates at a Broadband Council Meeting.

*"The federal broadband stimulus package is critical in helping to expand broadband networks, stimulate demand for, and increase adoption of broadband throughout our State. Our New York State Broadband Program Office has taken a collection of steps to maximize federal stimulus broadband funding and bring broadband to New York's communities."*

- Sharon Cates-Williams, NYS Deputy CIO for Shared Services and CIO, NYS Office for Technology



Sharon Cates-Williams, NYS Deputy CIO, shares helpful tips to apply for Round 1 Federal Broadband Stimulus Funding at a NYS Broadband Information Session.



Kevin O'Connor, CEO, Tech Valley Communications asks a question during a New York State Broadband information session.

## Reaching Out To Achieve Broadband Vision

# Maximizing Federal Broadband Stimulus Funds To NYS

*“My Administration is committed to creating an unprecedented level of openness in government. We will work together to ensure the public trust and establish a system of transparency, public participation, and collaboration. Openness will strengthen our democracy and promote efficiency and effectiveness in government.”*

- -President Barack Obama



*“Universal, affordable access to high-speed broadband services throughout New York State is essential to expanding our economy and providing services in the 21st Century. These grants will provide for critical investments in education, public safety, public health, economic development and many other fields, and I urge the Federal Government to quickly review and award these grants so that these tremendous benefits can be realized in communities across the State.”*

- -NYS Assemblywoman  
RoAnn M. Destito,  
Assembly District 116

## Federal Broadband Stimulus Funding Opportunities Announced

In February 2009, President Obama signed the American Recovery and Reinvestment Act which provided \$787 billion to help lift the nation from the greatest economic crisis in its lifetime and lay the foundation for economic future growth. Included within the Bill was **\$7.2 billion to expand access to and adoption of broadband services.**

Of that funding, the NTIA will distribute **\$4.7 billion under the Broadband Technology Opportunities Program (BTOP).** The funds will be used to deploy broadband infrastructure, expand public computer center capacity, and encourage sustainable adoption of broadband service. **Under the Broadband Infrastructure Program (BIP), \$2.5 billion will support grants and loans to facilitate broadband deployment in primarily rural communities.**

The funds are distributed in two rounds of grant awards. Round 1 was announced in July 2009, when NTIA and RUS issued a joint Notice of Availability of Funds Availability (NOFA) and invited grant applications from state and local governments, associations, and businesses among others.

There were **140 New York State BTOP projects, and 7 BIP Projects submitted for Round 1.** Applicants included state and local governments, non-profit, private business entities, and tribal groups. **The BTOP total was comprised of 74 NYS service area projects totaling \$823.3 million, 63 multi-state service area projects totaling \$1.6 billion, and 3 tribal service area projects totaling \$3.6 million. The BIP projects included an additional \$40 million in requests for federal broadband stimulus funding.**

Round 2, which closed at the end of March 2010, included **49 federal broadband stimulus grant requests** from the State, local governments, universities, businesses, and non-profits **totaling approximately \$600 million under BTOP.**

The ARRA investments in broadband will create tens of thousands of jobs in the near term and expand opportunities and economic development in communities that would otherwise would be left behind in the new knowledge-based economy. This funding helps eliminate the digital divide in the State.



Presenters at NYS's first statewide Federal Broadband Stimulus Information Session. Featured L to R: Sharon Cates-Williams, David Walsh, Daniel Chan, Edward Reinfurt, Dr. Melodie Mayberry-Stewart, Michael Fancher, Hao Wang, Bill Johnson, Chad Hume and Michael Ridley.

## Closing New York State's Digital Divide

# Connecting NYS Communities Using Federal, State And Private Funds

## New York Receives \$78 Million In Federal Broadband Stimulus Funding

Five federal broadband applicants from New York State received ARRA funding totaling \$78 million in federal funds. Through New York's Innovations Matching Grant Program, the State matched with \$4.96 in funding for one project.

## ION and DANC Awarded \$49.6 Million

A partnership between ION, a for-profit company based in Albany, and the Development Authority of the North Country (DANC), a public benefit corporation, **will receive \$39.7 million in federal funds and will self-fund an additional \$4.95 million and receive a New York State Innovation Economy Matching Grant for \$4.95 million for a total project cost of \$49.6 million.** ION and DANC will develop a regional broadband network to connect more than 100 community institutions, including libraries, state and community colleges, and health clinics. The ION/DANC project will enable last-mile connections to 250,000 households and 38,000 businesses in the North Country, Mohawk Valley, Finger Lakes Region and Western New York, as well as parts of Pennsylvania and Vermont.

## Slic Network Solutions Awarded \$5.4 Million

Slic Network Solutions, a wholly-owned subsidiary of Nicholville Telephone, **received \$5.4 million in federal funds to build a fiber optic network in rural Franklin County. With the \$4.3 million federal grant, and a federal loan of \$1.1 million,** Slic Network Solutions will extend a 136-mile fiber optic network reaching into five towns in rural Franklin County. This all-fiber network will deliver broadband voice, and IPTV services to remote rural areas. The network will offer service to more than 6,500 locations.

## New York State Library Awarded \$9.5 Million

The New York State Education Department (NYSED) **was awarded \$9.5 million to support the State Library's Broadbandexpress@yourlibrary project.** The grant will enable the State Library and its public library partners to purchase equipment to expand public access to computers and teleconferencing. Broadbandexpress@yourlibrary will provide more than 860 computers in 30 libraries and five mobile training centers across 41 economically distressed upstate New York counties with populations totaling 6,655,824 (2008 census). The grant will allow libraries to extend hours, provide 24/7 access to job search resources, and serve an estimated 50,000 additional users per week system-wide.

## New York City Awarded \$22 Million

New York City's Department of Information Technology & Telecommunications was **awarded \$22 million in federal stimulus funding for their NYC Connected Learning Program.** The NYC Connected Learning Program, targeted for low-income 6th graders, uses broadband to create a vital and reinforcing link between the classroom and the home. The program provides students and families a robust set of tools to create a home learning environment, including a free computer, discounted broadband service, and access to rich online educational resources, along with digital literacy training and access to a bilingual help desk. The program will serve 100 schools with approximately 19,488 students and 42,874 household members, and generate an estimated 14,377 new broadband subscribers.

## One Economy Corporation Awarded \$507,207

One Economy Corporation was allocated \$507,207 in their proposal for the State of New York. This program will provide wireless Internet access and comprehensive computer training programs to residents of public housing developments and low-income communities in New York State.

*"What librarians and libraries do everyday is vitally important work. Yet, even though New Yorkers turn to their public libraries more in difficult economic times, libraries themselves have suffered cuts and reductions to their valuable services. This grant will enable our libraries to continue to do their critically important work and to expand the opportunities, education, and services that high speed Internet provides to the unserved and underserved in our communities."*

**- Bernard Margolis, State Librarian and Assistant Commissioner for Libraries**



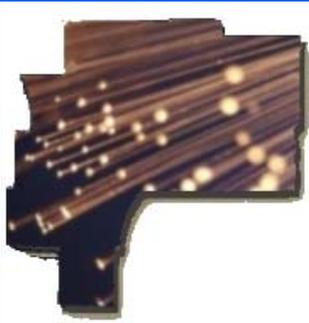
**US. Commerce Deputy Secretary, Dennis F. Hightower and Dr. Melodie Mayberry-Stewart in Cortland, to announce the Round 1 broadband awards to New York State.**

# Closing New York State's Digital Divide

# Connecting NYS Communities Using State Broadband Grant Program

*“This is an important step in expanding digital literacy and access into every neighborhood in our City. We are working to break down the digital divide one block at a time, and we are grateful that New York State and Tech Valley Communications are helping us move forward.”*

**- Albany Mayor  
Gerald Jennings**



**Ontario County  
completes one-third of  
Access Ontario — a  
county-wide 180-mile  
fiber ring.**

*“The broadband grant issued by New York State will allow New Visions to design and implement our service model to create affordable broadband Internet access for unserved and underserved rural communities.”*

**- Carmen Branca, Jr.,  
President, New Visions  
PLC, Inc.**

## **New York State Broadband Grant Recipients Make Strides**

In 2008, **Governor Paterson’s** announced **\$5 million in New York State broadband grants** to further the State’s vision for universal high-speed broadband access to all citizens, businesses and visitors of New York. We are pleased to highlight the progress of some of the award recipients

### **Laying Sixty Miles Of Fiber And Counting in Ontario County**

Ontario County is well on its way to boosting infrastructure in underserved parts of the County. Access Ontario **has completed the first 60 miles of a 180 mile fiber ring** to connect police, fire, education, healthcare, municipalities, and businesses county-wide. Two major providers, Verizon Wireless and TW Telecom have signed on to the ring, which is expected to be completed by the end of 2010. This innovative approach is already proving to boost economic development for the County according to Ed Hemminger, CEO of Access Ontario.

### **Expanding Albany FreeNet In Unserved And Underserved Communities**

Tech Valley Communications and the City of Albany were awarded a \$625 million dollar grant to expand free internet services into several areas throughout the City of Albany, through the Albany FreeNet program. Tech Valley Communications has **expanded the wireless network and services to Arbor Hill and West Hill neighborhoods** and will continue expansion throughout the city’s South End and along Delaware Avenue, where Internet adoption rates are lowest. Once completed, the number of accessible areas in the city will double.

### **Bringing Affordable Broadband To New York City Residents**

Bringing affordable broadband service to underserved, low-income communities in New York City is the goal of the Urban Transport Corporation and Digital Divide Partners, who were awarded nearly \$1million in NYS broadband funding. These companies **brought affordable broadband service to communities in the Bronx, Brooklyn, upper Manhattan and Queens, with emphasis on residents of the New York City Housing Authority.** The network will soon be expanded further into Queens and the East Bronx. Once the project is completed, more than 7,000 low-income households will have access to broadband services for only \$10 per month.

### **Connecting Central New York’s Schools And The Town Of Dryden**

At the end of December, project construction was nearing its **final stages on the reconstruction of an existing tower owned by the Milford Central School District.** Also, Clarity Connect Inc. provided coverage to new customers in the Town of Dryden and signed agreements with three competitive wireless Internet service providers to use their infrastructure to provide a choice of providers to town residents. Although weather delayed some project activities, the majority of the target service area is covered.

### **A New Vision Is Born For The Rural Communities In The Syracuse Area**

New Visions PLC, Inc. has been busy implementing a service model to create affordable broadband Internet access for unserved and underserved rural communities in the Syracuse areas. New Visions started activating affordable internet service for its customers. **The communities of Solvay, Lakeland and Westvale have been offered high speed internet service for only \$28.95 per month.** When complete, the broadband grant will enable New Visions to pass 12,500 homes.

**Closing New York State’s  
Digital Divide**

## Governor Paterson Launches Innovation Economy Matching Grant Program for Economic Development Research

The NYS Innovation Matching Grant Program, announced by Governor Paterson in June, **provides a ten percent (10%) match for every federal stimulus dollars awarded to federal broadband grant recipients.** One hundred million dollars has been allocated to the Program over the next three years to research institutions that conduct energy, technology, and medical research and development.

**The program is designed to leverage \$1 billion in federal research funding. Funds from the program are awarded to successful applicants approved by the Governor's Economic Recovery office.** The Innovation Economy Matching Grants Program is administered by the New York State Foundation for Science, Technology and Innovation (NYSTAR) to seed the innovation economy.

**Governor Paterson's initiative would direct \$100 million of state money over three years and will help ensure that new research centers are built in New York.** The proposal for the program came in the governor's "Bold Steps to the New Economy" economic address. In his address, Governor Paterson stressed that the state's economy is changing and can no longer rely on Wall Street tax revenue in a declining economy.

The ION and Development Authority of the North Country (DANC) partnership received a \$4.96 million innovation matching grant as a result of their successful Round 1 NTIA award. Round 2 awards have yet to be determined.

**"We need to build a stronger commercialization pipeline, so research at our companies and universities can drive job growth in our communities," the Governor said.**

The program was developed in an effort to help develop industries like broadband telecommunications, science and engineering, patent development and alternative energy use. Governor Paterson explained, that such support "will ensure quality jobs are created in and imported to New York."

For more information on the Innovation Economy Matching Grant Program visit:  
<http://www.nystar.state.ny.us/matching/>

To read the Governor David A. Paterson's "Bold Steps to the New Economy: A Jobs Plan for the People" visit:  
[www.state.ny.us/governor/press/pdf/press\\_0608091.pdf](http://www.state.ny.us/governor/press/pdf/press_0608091.pdf)

*"Governor Paterson's Innovation Matching Grant Program, which NYSTAR is helping to administer, is the only program in the nation providing a 10 percent match for ARRA grant recipients. The Matching Grant Program is critical in providing New York's broadband applicants a better opportunity to receive these competitive federal funds."*

**- Edward Reinfurt, Executive Director,  
New York State Foundation for Science, Technology  
and Innovation (NYSTAR)**



New York was awarded a \$947,517 grant for the Opportunity Online Broadband Grant Program. The grants are aimed at developing strategies for upgrading and sustaining Internet connections in libraries, as well as raising federal E-rate participation rates among libraries. New York was one of five states selected to receive Foundation Grants due to the high number of libraries without high-speed Internet access that are struggling to increase bandwidth for patrons. Featured L to R: Honorable James C. Dawson, NYS Board of Regents; Dr. Melodie Mayberry-Stewart; Linda Todd, NYS State Library; Jeffrey Cannell, NYS Office of Cultural Education; and Bernie Margolis, NYS Librarian.

*"Libraries are vital to our communities and our economy. The increased broadband capacity, training and online resources funded through this grant will provide more New Yorkers with access to essential online information for work, healthcare, education, and citizenship as well as E-government resources."*

**- David Steiner,  
Commissioner, NYS State  
Department of Education**

## Closing New York State's Digital Divide

# Mapping Broadband Across NYS Receives National Recognition

20 | 2009 NYS  
Broadband Council  
Annual Report

*"Through Governor Paterson's leadership, we have made tremendous progress in closing the gap to access broadband technology. CSCIC will be leveraging a wealth of GIS data and expertise to complete this project and we look forward to the continued collaboration among our State agency and private sector partners."*

- William Pelgrin,  
Director, NYS Office of  
Cyber Security and  
Critical Infrastructure  
Coordination

## NYS Pioneering Broadband Mapping Project Hailed As National "Best Practice" Model

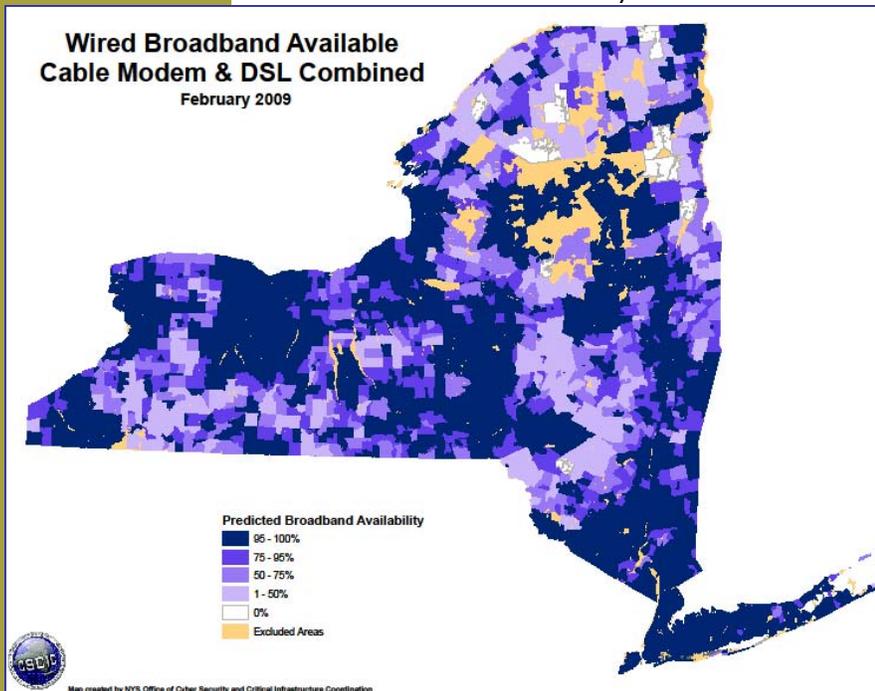
In October 2009, the New York State Office of Cyber Security and Critical Infrastructure Coordination (CSCIC) was awarded approximately \$2.5 million in federal stimulus funding for broadband mapping and planning activities which will enable the mapping of New York's un-served and underserved areas to facilitate deployment of high-speed Internet access across the State, increase digital literacy programs, and spur economic development. CSCIC is the lead agency in New York for statewide coordination of Geographic Information Systems (GIS) resources.

CSCIC works with broadband providers to aggregate the data on broadband availability to the nearly 300,000 Census Blocks in the State. In addition, CSCIC will work with broadband providers to map the "backbone" infrastructure connection points. In preparation for this project, CSCIC has engaged in a series of collaborative discussions with key representatives from the broadband provider community.

CSCIC has crafted several options for provider participation in the program, with options varying in the level of assistance from CSCIC in processing their data. Tools for aggregating street addresses of provider customer data to Census Blocks will be built as web services. Once built, they may be used remotely over the Internet by provider companies without CSCIC possessing their confidential information. Separate data sources, including predicted broadband availability mapping prepared earlier by CSCIC, will be used to validate data supplied by broadband providers. Validation methods will include contracting with a firm to design and conduct telephone and Internet-based surveys to gather data on broadband characteristics from the public.

CSCIC works closely with the New York State Broadband Development and Deployment Council on the broadband planning elements of the NTIA grant. Several activities will be supported, including additional mapping required by Executive Order 22; program support for the Broadband Stimulus Program Office; a study on the barriers to broadband adoption; and a study on the requirements for industrial level broadband connections (100 mbps and greater) to support businesses in New York.

Funding from the Broadband Data and Development Grant Program will enable CSCIC to fulfill the NTIA requirements for New York's portion of the National Broadband map and will help support important broadband policy work at the state and national level.



## Closing New York State's Digital Divide

# Advocating A Campaign For Change

## NYS Advocates for Changes in Federal Broadband Stimulus Policy

New York State recommended the federal government develop a similar strategy to the New York State Broadband Strategy for the nation. New York's strategy focuses on innovative solutions for providing high-speed, affordable broadband access to all New Yorkers. It is a comprehensive approach that balances infrastructure build out, digital literacy, economic and workforce development, and expansion of online government services for citizens businesses and visitors.

**New York State helped shape national policy by providing comments in response to the Federal Communications Commission's Notice of Information "A National Broadband Plan for Our Future."** The joint comments agreed with the FCC's description of broadband as transformational and its conclusion that there is a need for up to date and complete information on broadband deployment. The comments noted widespread deployment of broadband is as important as the creation of the railroads or the development of the interstate highway system.

**New York State was a national advocate for ensuring both urban and rural areas and public safety communications networks are fairly represented.** Governor Paterson sought changes to the NTIA Broadband Notice of Funding Availability requirements for broadband stimulus funds by developing a "Campaign for Change." New York's Campaign for Change recommended second round NOFA enhancements to include public safety and urban center broadband projects.

New York State campaigned to change the NTIA broadband grant eligibility criteria for unserved and underserved areas to:

- Encourage more comprehensive infrastructure solutions to leverage state and local government communications infrastructures;
- Encourage solutions which have the most positive economic recovery impact on a greater number of effected citizens; and
- Ensure broadband solutions are aligned with the National Broadband Plan and its recommendations in support of public safety and open networks.

**New York State was a pioneer in developing one of the first statewide broadband coverage map based on a predictive availability model.** The method used to prepare the map used public sources and a predictive model to show likely availability of cable-modem and DSL broadband. The development of the broadband availability map led to New York State being selected to provide input to the Federal Communications Commission for the development of a National Broadband Map as part of the requirements in the ARRA Legislation. As a result of this early work, New York State was awarded one of the largest federal broadband stimulus mapping grants received by any state.



The NYS Broadband Program Office worked closely with the NYS Association of Counties (NYSAC) to recommend enhancements regarding public safety funding for the second round. Featured L to R: Stephen J. Acquario, Executive Director, NYSAC; Dr. Melodie Mayberry-Stewart; and Kathryn Vescio of NYSAC.

*"Access to reliable high-speed Internet represents a lifeline to New York State's communities. It enables businesses and individuals to tap into the knowledge and information that drive the economy, our government and society. It is an honor to bring the local government perspective to the Council's ongoing efforts to deploy broadband access to all communities in New York State."*

**- Stephen J. Acquario,  
Executive Director, New  
York State Association of  
Counties (NYSAC)**

## Closing New York State's Digital Divide

# Focusing On Our 2010 Priorities



Dr. Melodie Mayberry-Stewart and Deployment Council and Albany Mayor Gerald Jennings discuss expanding free internet services throughout the underserved areas in the City of Albany.

*“When technology advances, it fundamentally changes the way we communicate and earn our living. The promise of computers and the Internet is that they can be equally effective in reinvigorating distressed rural areas, and urban areas like Buffalo, New York City and Syracuse. I am proud to serve on the Broadband Development and Deployment Council because I believe that building and deploying New York’s improved digital economy, carried on universal broadband, will benefit our communities, our businesses and our great state.”*

- NYS Senator Kevin S. Parker, NYS Senate Representative to the Broadband Council

## NYS Broadband Priorities For 2010 Underway

In New York, 2010 begins the first full year of Governor Paterson’s Broadband Development and Deployment Council. Responsible for oversight of Broadband Strategy and ensuring broadband needs are met for every New Yorker, the Council has developed the 2010 priorities. One major priority is the State’s first Broadband Adoption Study.

In 2010, the Council will focus on the following 2010 priorities:

1. Maximize federal stimulus funds to the State;
2. Complete broadband mapping of the state and submit report to NTIA and the Governor;
3. Conduct the broadband adoption survey;
4. Issue the State’s Round 2 broadband grant program;
5. Oversee federal and state stimulus projects to ensure steady progress;
6. Increase coverage and speed goals as outlined in the NYS Universal Broadband Strategic Roadmap;
7. Ensure the State’s broadband strategy remains aligned with the FCC’s “National Broadband Plan” and continue advocacy efforts for good policy at the federal and state level;
8. Expand e-government applications for state agencies;
9. Foster public/private partnerships to leverage public/private broadband assets across the State;
10. Introduce broadband policies to accelerate broadband build-out and increase adoption rates in the State for global competitiveness.

2009 was a good year for broadband accomplishments in New York State. However, there is much more work to be done. We believe New York is well-positioned to forge ahead and eliminate any remaining gaps of the digital divide in our urban and rural communities.



Dr. Melodie Mayberry-Stewart discussed New York State broadband activities on the NYS Senate Legislative Update with Senator Kevin S. Parker.

## 2010 And Beyond

# Special Acknowledgments

**A special thank you to the first New York State Council for Universal Broadband. You led our pioneering challenge of developing New York State's first statewide Broadband Strategy.**

- **Garry A. Brown**, Chairman, New York State Department of Public Service
- **Stephen Acquario**, Executive Director, New York State Association of Counties
- **Peter Baynes**, Executive Director, New York State Conference of Mayors
- **Michael Borges**, Executive Director, New York Library Association
- **Dr. Joseph Bowman**, Member, New York State Board of Regents
- **Robert Checca**, Commissioner, Nassau County Department of Information Technology
- **Paul Cosgrave**, Commissioner, New York City Department of Information Technology and Telecommunications
- **RoAnn Destito**, Member, 116<sup>th</sup> Assembly District, New York State Assembly
- **Brian Fischer**, Commissioner, New York State Department of Correctional Services
- **G. Jeffrey Haber**, Executive Director, Association of Towns of the State of New York
- **David Hansell**, Commissioner, New York State Office of Temporary & Disability Assistance
- **Edward Hemminger**, Ontario County CIO, President, New York State Local Government Information Technology Directors Association
- **Thomas Herzog**, CIO, NYS Department of Corrections
- **Patrick Hooker**, Commissioner, New York State Department of Agriculture and Markets
- **Chad Hume**, Director of Telecommunications, New York State Department of Public Service
- **Dr. Donald Jacobs**, Co-Chair, SUNY Technology Policy and Practices Council
- **Dr. Alain Kaloyeros**, Vice President and Chief Administrative Officer, University at Albany, College of Nanoscale Science and Engineering
- **Susan Knapp**, Chief Budget Examiner, New York State Division of the Budget
- **John Kolb**, Vice President for Information Services and Technology & Chief Information Officer, Rensselaer Polytechnic Institute – Computational Center for Nanotechnology Innovation
- **Dr. Timothy Lance**, President and Chairman, New York State Education and Research Network
- **Howard Lowe**, Director of the Technical Assistance Center, SUNY Plattsburgh
- **Steve Manning**, Manager of Computer Services, Greater Southern Tier BOCES Regional Information Center
- **Robert McNary**, Regional Director, Empire State Development Corporation
- **Richard Mills**, Commissioner, New York State Education Department
- **Shireen Mitchell**, President & Executive Director, Community Technology Centers' Network
- **Mario Musolino**, Executive Deputy Commissioner, NYS Department of Labor
- **Edward Reinfurt**, Executive Director, New York State Foundation for Science, Technology and Innovation
- **Patricia Smith**, Commissioner, New York State Department of Labor



**Thomas Herzog, CIO, NYS Department of Corrections, featured center, accepts a Certificate of Appreciation for his participation on the former Broadband Council from Sharon Cates-Williams and Dr. Melodie Mayberry-Stewart.**



**Members of the former Council for Universal Broadband at the final meeting, which is now replaced with the new Broadband Development and Deployment Council .**



NEW YORK STATE CHIEF INFORMATION OFFICER  
**CIO**  **OFT**  
NEW YORK STATE OFFICE FOR TECHNOLOGY

State Capitol  
Empire State Plaza  
P.O. Box 2062  
Albany, NY 12220  
(866) 322-5787 • [broadbandstimulus@cio.ny.gov](mailto:broadbandstimulus@cio.ny.gov)