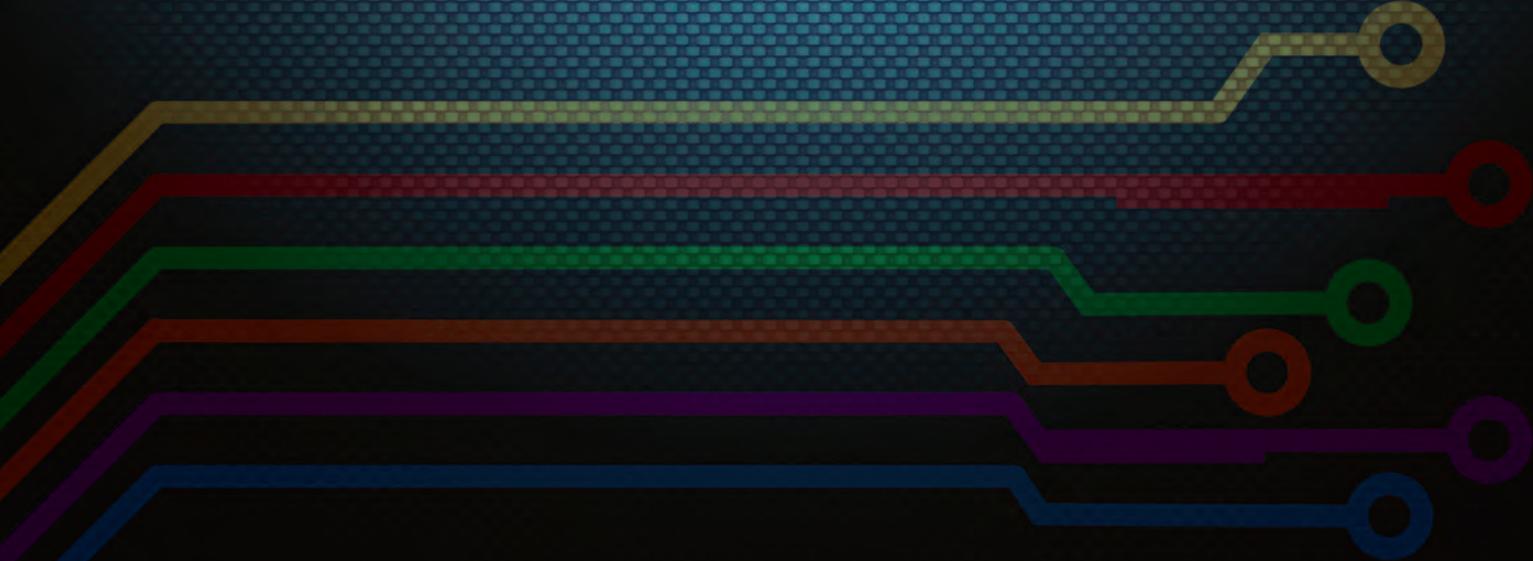
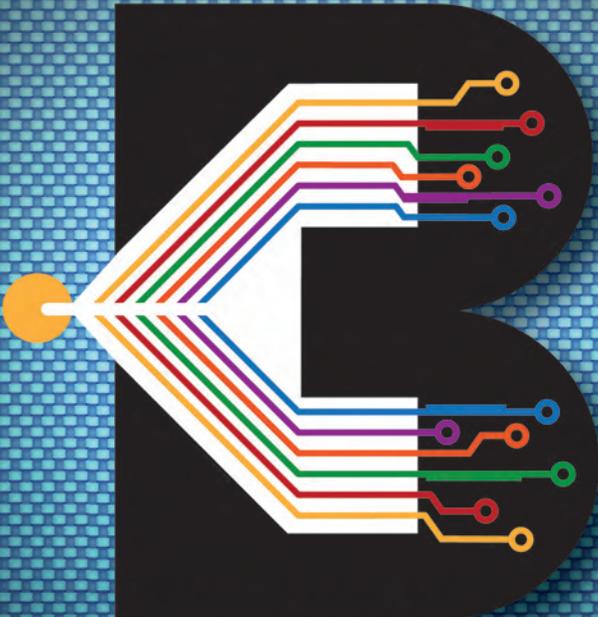


New York State Broadband Summit 2014

Program Guide



June 5, 2014

Dear Broadband Summit Participants



It is with great pleasure that I welcome you to New York State's 2nd Annual Broadband Summit and Awards Ceremony. Our event has earned the esteemed reputation as the leading conference for broadband communities, counties and regions across New York State. At today's event you will either meet or be reunited with leading stakeholders from around the country to discuss current issues related to broadband deployment and adoption. I am pleased to announce that this year, and for the first time ever in New York State, we are honored to recognize individuals and organizations that have made outstanding achievements within the broadband industry.

The Broadband Program Office has been diligently working to ensure every New Yorker has access to affordable, high-speed Internet service, and fully participates in the digital economy. In order to implement an effective strategy, partnerships must be formed, and strong leadership is required to navigate through challenges and ensure broadband remains a high priority.

New York State is fortunate to have superior executive leadership. Governor Andrew Cuomo and Lieutenant Governor Robert Duffy have provided strategic guidance and vision since the inception of our state broadband strategy. Their unwavering commitment to our program objectives has been invaluable, as we work towards universal broadband for all New Yorkers.

To date, Governor Cuomo has awarded more than \$68 million in funding to advance broadband deployment in our state's unserved and underserved communities. Through these investments, more than 150,000 households, 8,000 businesses, and 400 community anchor institutions will have access to high-speed broadband services.

Our summit program features national, state, and local broadband leaders, along with key decision makers in the broadband and technology sectors. Building upon last year's inaugural event, the 2014 Summit will focus attention on pressing broadband issues, as they relate to further expansion; best practices in broadband deployment and utilization; emerging technologies and developments within the industry; the use of broadband for increased economic development; and delivering a better future for New Yorkers.

On behalf of the New York State Broadband Program Office, thank you for joining us at our 2nd Annual Broadband Summit and Awards Ceremony, and for playing a critical role throughout our venture toward attaining the highest possible rates of broadband availability and adoption.

Sincerely,

A handwritten signature in black ink that reads "David Salway". The signature is written in a cursive, flowing style.

David Salway
Director, NYS Broadband Program Office



New York State 2014 Broadband Summit Agenda

Keynotes and General Sessions - King Street 2, 4, 6

7:15 am - 8:00 am: Registration and Breakfast / Vendor Exhibits
King Street Courtyard

8:00 am - 9:15 am: Opening Remarks and Morning Keynote

- Opening Remarks:**
- David Salway, Director, New York State Broadband Program Office
 - Gregg Sayre, Commissioner, New York State Public Service Commission
 - New York State Senator Betty Little, 45th Senate District
 - Jessica Zufolo, Deputy Administrator of the Rural Utility Service at the U.S. Department of Agriculture
 - U.S. Congressman Chris Gibson, 19th Congressional District (via video)

Please join us as our host and special guests welcome participants to New York State's 2014 Broadband Summit and Awards Ceremony.

Morning Keynote: Wireless Broadband: Essential Service, Limitless Opportunity

Keynote Speaker: Jonathan Adelstein, President and Chief Executive Officer, PCIA - The Wireless Infrastructure Association

Hear from the leading wireless industry association about how infrastructure providers are striving to meet skyrocketing demands for mobile broadband everywhere, and about PCIA's efforts to enable wireless infrastructure deployment to ensure wireless broadband is available for the millions of consumers, businesses, schools, health care facilities, public safety agencies, and all those that increasingly rely on these innovative services.

11:40 am - 11:50 am: Opening Afternoon Remarks

Speaker: Maya Wiley, Counsel to New York City Mayor Bill de Blasio

11:50 am - 12:30 pm: General Session 1: Broadband for Education

Speaker: Evan Marwell, Chief Executive Officer and Founder, EducationSuperHighway

EducationSuperHighway collected grades K-12 broadband spending data, representing over 11,000 schools and 6 million students in order to conduct the most comprehensive analysis of school broadband spending ever performed. This unprecedented analysis provides key insights into the state of America's K-12 broadband infrastructure, highlighting the core issues of fiber access, affordability, and lack of resources that prevent schools and libraries from obtaining the bandwidth they need. EducationSuperHighway CEO, Evan Marwell, will give an overview of the spending analysis and discuss its implications for state policymakers.

12:30 pm - 1:30 pm: Lunch Keynote

Broadband as an Economic Driver for New York State

Speaker: Kenneth Adams, President and Chief Executive Officer, Empire State Development, and Commissioner of the New York State Department of Economic Development

Internet of Everything: Driving Mission Success

Keynote Speaker: Daniel Kent, U.S. Public Sector Chief Technology Officer, Cisco Systems

Around the world, public-sector organizations are leading the way in bringing the Internet of Everything (IoE) to life through an explosion of connectivity among people, process, data, and things. The result is the generation of real business value, cost savings and better decision making. From libraries to transportation and even with city services, highly successful IoE examples can be seen all around us, and are changing the way we live, work and play. And, now that IoE is here, it's important to talk about how organizations can take full advantage of this market transition.

2:40 pm - 3:00 pm: Afternoon Break / Vendor Exhibits King Street Courtyard

3:00 pm - 3:35 pm: General Session 2: Effective Policy for Broadband Deployment Panel Discussion

Moderator: Jim Baller, President, The Baller Herbst Law Group

The full economic and social benefits of broadband are most likely to be realized where there is strong partnership between government and industry, and where governments engage in a collaborative approach to policy development. There are many steps that communities can take to facilitate deployment by private sector. At the same time, there are many steps that communities can take, in public-private partnerships, or on their own, if necessary, to develop advanced communications networks.

Panel discussion moderator, Jim Baller, President of the Baller Herbst Law Group, and recognized as “the nation’s most experienced and knowledgeable attorney on public broadband matters,” will examine the leading challenges to broadband expansion; how regulatory policy affects broadband infrastructure investment; and what steps federal, state, and local governments can take to stimulate broadband deployment, adoption, and use.

Panelists:

Joanne Hovis, President, CTC Technology & Energy

Patrick Halley, Associate Chief, Wireline Competition Bureau, Federal Communications Commission

Joe Starks, President, ECC Technologies

3:35 pm - 4:00 pm: General Session 3

NTCA Broadband-Enabled Smart Rural Communities Initiative

Speaker: Jessica James Golden, Strategic Outreach Coordinator, NTCA

The NTCA Smart Rural Community (SRC) initiative is intended to promote the development and deployment of broadband-enabled applications to support and foster innovative solutions for education, health care, public safety, public utilities, civic engagement and commerce in rural America. This session will address some of the challenges faced by rural American communities, and suggest how showcasing and building broadband-enabled Smart Rural Communities can lead to creating smarter, more sustainable rural communities across the country.

4:00 pm - 5:00 pm: Afternoon Keynote / Awards Ceremony and Closing Remarks

Afternoon Keynote: Best Practices for Building a Gigabit Community

Keynote Speaker: Joe Reardon, Former Kansas City Mayor and Attorney at Law, McAnany, Van Cleave & Phillips, P.A.

In 2010 Google challenged U.S. cities to compete to be the site of its first fiber to the home deployment, offering affordable access to the Internet at gigabit speeds. Broadband service delivered at such robust speeds provides communities with the opportunity to offer immersive educational experiences, innovative health care applications (telemedicine, remote vital sign monitoring), explorations in arts and culture, smart homes, collaborative research, improved municipal services (firefighters equipped with devices displaying 3D renderings of burning buildings), and much more yet to be envisioned. Simply put - affordable, high-speed, ubiquitous connections are transformative to communities and individuals alike.

Google said it wanted to connect a city with somewhere between 50,000 and half a million people, saying “we hope to learn lessons from this experiment that will help improve Internet access everywhere.” With more than 1,100 applications from municipalities from around the country, Google chose Kansas City, Kansas and, shortly after, Kansas City, Missouri.

Former Kansas City Mayor, Joe Reardon, formed the Mayors’ Bistate Innovation Team (MBIT). The team was charged with creating a “playbook” for how Google’s first fiber cities could make the best use of a gigabit broadband network. Mr. Reardon will speak about how Kansas developed innovative models for tackling complex urban issues, strengthening local economies, and improving the lives of citizens.

Awards Ceremony and Closing Remarks

Join us as we announce the **2014 Broadband Champion Awards**. New York State will recognize those individuals, teams and companies who have demonstrated outstanding achievements within the broadband industry.

Breakout Sessions

Track 1 - Town Hall

9:30 am - 11:30 am: Workshop: Developing a Regional Broadband Strategy

Workshop Leaders: Heather Burnett Gold, President, Fiber to the Home Council

Joanne Hovis, President, CTC Technology and Energy

Joe Starks, President and Chief Executive Officer, ECC Technologies

Michael J. Santorelli, Co-Director of the Advanced Communications Law & Policy Institute, New York Law School

This workshop will guide local leaders (economic developers, municipality leaders, elected representatives) through the process of developing a Regional Broadband Strategy by aggregating demand, determining regional economic priorities, and partnering with a provider. The hands-on workshop will provide participants with the information and tools to develop a broadband strategy including:

- Making the economic case - What Can Fiber do for Your Community?
- Devising the most cost-effective strategy to connect every home and business to high-speed broadband
- Identifying and utilizing all community assets
- Looking for partners in every sector
- Working with incumbent providers
- Identifying important state data sources and resources for project planning, and funding resources

Workshop participants will be armed with powerful tools to start building regional broadband strategies. New York State community leaders will leave the workshop with a comprehensive New York State Broadband Strategy Toolkit, and a list of resources from state and federal agencies to discuss data and project planning resources and funding opportunities.

1:40 pm - 2:40 pm: Broadband for Economic Development and New Research

Moderator: Brian McMahon, Executive Director, NYS Economic Development Council

Expanding access to broadband is fundamental for revitalizing New York's economy and enhancing the quality of life for our residents. However, broadband technology has diffused unevenly throughout the United States and New York, allowing some communities to thrive while others are left behind.

The impact that broadband access is having on the global economy is profound. It is allowing emerging economies to compete with first tier countries, and it is changing how and where people work. This panel discussion, moderated by Brian McMahon, Executive Director of the New York State Economic Development Council, will compare economic indicators between areas with greater and less growth in broadband availability, and discuss how some communities are taking the initiative to ensure a competitive future for their area. Using broadband research and new data from our panelist, the participants will examine broadband availability and adoption and the impact it has on New York's economic growth.

Panelists:

Michael Curri, Founder and President, Strategic Networks Group

Robert Whitman, Vice President, Market Development, Corning Optical Communications

James C. Johnson, Executive Director, Steuben County Industrial Development Agency

TRACK 2 - King Street 8

9:30 am - 10:25 am: Broadband Adoption and Older Adults

Moderator: Cecilia Garcia, Senior Advisor, Benton Foundation

America's seniors have historically been late adopters to the world of technology compared to their younger compatriots, but their movement into digital life continues to deepen (according to newly released data from the Pew Research Center). This panel discussion will look at the unique barriers and challenges older adults face when it comes to adopting new technologies. The panelists will also share their successes in promoting broadband adoption in the older adult community and effective approaches in getting our older adult community online.

Panelists:

Tom Kamber, Founder and Executive Director, Older Adults Technology Services (OATS)

Debra Berlyn, Executive Director, Get Older Adults onLine (Project GOAL)

John Horrigan, Independent Communications and Technology Policy Consultant

10:35 am - 11:30 am: Broadband Adoption Strategies

Moderator: Bernard Margolis, State Librarian and Assistant Commissioner for Libraries, New York State Education Department

Broadband adoption is emerging as the most significant issue to be resolved in terms of taking steps to close the digital divide. In New York State, more than 6 million (30%) of people do not use broadband at home. Most adoption studies cite "perception of need" as the reason. In other words, respondents in this category do not see the intrinsic value in subscribing to broadband. Compounding the issue is the fact that non-adopters say they do not see themselves

subscribing in the future. In fact, nine of ten non-adopters say they are simply not interested in getting online. This panel, moderated by New York State Librarian, Bernard Margolis, will examine strategies and discuss best practices to overcome the barriers, such as affordability, lack of computer proficiency, and low perception of need that prevent people from subscribing to broadband services, and how implementation of these best practices can close the broadband adoption gap. The panelists will also look at how the demographics among non-adopters – such as low-income households, rural residents, and minorities – affect adoption, and the best approaches to reach this population.

Panelists:

Roberto Gallardo, Assistant Extension Professor, Southern Rural Development Center
Michael Santorelli, Co-Director, Advanced Communications Law & Policy Institute, New York Law School
Jon Gant, Director for the Center for Digital Inclusion; Director UC2B Broadband Adoption Program, University of Illinois at Urbana-Champaign

1:40 pm - 2:40 pm: Addressing the Digital Access Issue With Microsoft and EveryoneOn Through the President’s ConnectED Program

**Speakers: Richard Langford, Strategic Alliance Manager – EDU, Microsoft
Sheila Dugan, Marketing and Communications Manager, EveryoneOn**

In his State of the Union address, President Obama highlighted the ConnectED program. Through ConnectEd and by partnering with select companies, significant strides will be made to overcome the lack of digital access for many students in the United States. Microsoft made a one billion dollar investment to support the program. During this session, Microsoft and EveryoneOn will discuss that investment, and what it means for schools in New York.

**2:40 pm - 3:00 pm: Afternoon Break / Vendor Exhibits
King Street Courtyard**

TRACK 3 - High Street 24

9:30 am - 10:25 am: Industry Best Practices for Broadband Deployment

Moderator: Bob Puckett, President, New York State Telecommunications Association

Today, the emphasis on the development of broadband networks is Fiber. However, there are still many broadband providers across New York State deploying cable networks; using copper telephone lines (DSL); fixed or mobile wireless networks; and even new technologies like white space. Many of these strategies have proven to be very useful for underserved communities where broadband penetration is low and terrain is challenging. But are these types of networks sufficient enough to provide fast data transmissions and support high bandwidth usage?

This panel discussion, moderated by Bob Puckett, President of the New York State Telecommunications Association, will bring together nationally recognized broadband providers and technology experts who will discuss the best practices and insights into leveraging the different types of broadband technology. The participants will examine current trends in deploying broadband networks and lessons learned from implementing their chosen technologies.

Panelists:

Ed Hemminger, Government Sales Director, System Maintenance Services, Inc.
Phil Wagschal, President, Slic Network Solutions
Charlie Williams, Vice President, Government Relations-Northeast, Time Warner Cable
Greeley Ford, Technical Communications Manager, UNY AT&T Mobility

10:35 am - 11:30 am: Follow the Yellow Fiber Road: Using Broadband as an Attraction Tool for Innovation Sector Companies

Moderator: Chelsea Rao, Vice President of Digital & New Media Development, Empire State Development

This panel will detail how emerging trends in the digital and new media sectors - from video games to film production to Internet services - impact the need for access to high-bandwidth broadband for these types of companies. Representatives from Aereo, Technicolor/PostWorks and WiredNYC will discuss how high-speed broadband services are essential to their business; how creating and marketing access to broadband matters for their location decisions; and how some cities are making it easier for companies to access the broadband infrastructure they need.

Panelists:

Rob DeMartin, Chief Operating Officer, Technicolor PostWorks

Arie Barendrecht, Director, WiredNYC

Virginia Lam Abrams, Senior Vice President, Communications & Government Relations, Aereo, Inc.

1:40 pm - 2:40 pm: Ignite, Innovate and Inform

Speakers: Deirdre Carey Flynn, Executive Director, Telecommunications Policy and Strategy, New York City Department of Information Technology & Telecommunications

Amy Sullivan, Outdoor Lighting and Attachments Group, National Grid

Jeremy Johannesen, Executive Director, New York Library Association

Joel Mulder, Senior Director of Business Development, G4S

During this session, New York City Department of Information Technology & Telecommunications (DoITT) and the NY Library Association (NYLA) will both share their innovative programs and successes. DoITT is committed to effectively and efficiently providing IT services, infrastructure, and telecommunications to New York City's residents, businesses, and visitors. NYLA is the only statewide organization dedicated to advocating on behalf of all libraries and library staff to the state legislature, and serves as the spokesperson on library matters to the media and public policymakers.

G4S and National Grid will discuss the important role they play in the deployment of broadband in New York State. As a leading global integrated security company specializing in the provision of security products, services and solutions, G4S manages access to critical network infrastructure on more than 500 miles of fiber deployed along the NYS Thruway. National Grid is one of New York State's largest utility providers, playing a critical role in facilitating broadband deployment through pole attachments, access to rights-of-way and conduits.

Broadband Summit

Keynote Speakers



Keynote Speakers



Jonathan S. Adelstein, President and Chief Executive Officer, PCIA

Jonathan S. Adelstein is the President and Chief Executive Officer of PCIA – The Wireless Infrastructure Association, the trade group that represents 200-plus organizations devoted to building a high-speed and globally competitive wireless broadband network that connects every corner of America. PCIA members include multimedia conglomerates, telecommunications pioneers, and other entrepreneurs and policy advocates, all of whom share the same vision to strengthen economic growth, job creation, technological innovation, and public safety through the deployment of cutting-edge wireless infrastructure.

Adelstein is one of America's leading proponents of bringing wireless connectivity to every American, regardless of geographic or economic circumstance. He's leading PCIA's partnership effort with Warriors4Wireless to provide job training so America's veterans can help meet the demand for high skilled wireless workers. Adelstein is also spearheading PCIA's partnership with elected officials and public safety organizations to ensure that wireless networks stay up and running during natural disasters.

A former member of the Federal Communications Commission (FCC), Adelstein also serves as a member of the White House National Science Technology Council and the White House Business Council. Adelstein served as FCC Commissioner from 2002 to 2009, where he championed expanding broadband, improving rural telecommunications, and securing access to communications for everyone, including those left behind by the market. He fought for media diversity and localism, encouraging increased public access to the media to support free expression and an informed citizenry. As an FCC commissioner, he was twice unanimously confirmed by the U.S. Senate.

Prior to joining PCIA in September 2012, Adelstein was Administrator of the U.S. Department of Agriculture's Rural Utilities Service (RUS), a position for which he was nominated by President Obama and again unanimously confirmed by the Senate. As RUS Administrator, Adelstein oversaw a \$60 billion portfolio of rural electric, water, and telecommunications infrastructure loans.

Before assuming his position at the FCC, Adelstein held a number of senior staff positions in the U.S. Senate, serving as a senior legislative aide to Senate Majority Leader Tom Daschle of South Dakota, Senator David Pryor of Arkansas, and Senator Donald W. Riegle, Jr. of Michigan. A former fellow teaching assistant at both Harvard and Stanford, he received an M.A. in History and a B.A. with Distinction in Political Science at Stanford. He is also a graduate of Phillips Academy in Andover, MA.



Jim Baller, President, The Baller Herbst Law Group

Jim Baller, President of the Baller Herbst Law Group in Washington, DC, represents clients in a broad range of communications matters nationally and in more than 35 states. The Fiber to the Home Council has recognized him as "the nation's most experienced and knowledgeable attorney on public broadband matters." The National Association of Telecommunications Officers and Advisors named him its first "Community Broadband Visionary of the Year" in 2007, for "putting the need for a national broadband strategy to the forefront of public consciousness." In 2009, *Ars Technica* included Jim on its list of the 25 "Top Names in Tech Policy" and *FiberToday* honored him as its "Person of the Year." In 2012, the Fiber to the Home Council presented him its Chairman's Award "for his relentless promotion and pursuit of community broadband and of faster networks for everyone [and for paving] the way for the deployment of all-fiber networks across the country." He is a graduate of Dartmouth College and Cornell Law School.



Jessica James Golden, Strategic Outreach Coordinator, The Rural Broadband Association, (NTCA)

Jessica James Golden is the Strategic Outreach Coordinator at NTCA - The Rural Broadband Association, where she leads NTCA's first targeted outreach initiative to develop strategic relationships with national organizations in education, health care, public safety, small business, and agriculture-groups like John Deere, Discovery Education, American Farm Bureau Federation, Veteran's Affairs Office of Rural Health. Through the NTCA outreach initiative, Jessica has aided in coordinating broadband-centric summits including a Broadband Adoption Summit (2011) and Smart Rural Community Summit (2012), both of which pulled together over 50 national organizations for discussions on the role of broadband in creating smarter, more sustainable rural communities.



Daniel Kent, Director, U.S. Public Sector Engineering & CTO, Cisco Systems

With over 20 years of experience in the Federal market, Daniel Kent brings a comprehensive view of solution development and implementation. An expert Technologist, Kent is a leader in the Federal industry and participates as a Speaker at many conferences and is quoted in many leading industry magazines

Kent delivers new products and services bundled and configured to build out Federal specific solutions with Cisco partner companies in order to address holistically the customer's needs. He delivers solutions focused on eliminating network complexity while building trust, resiliency, and visibility through Cloud, Collaboration, Video, and Cyber product and services.

Previously, he led the U.S. Federal Systems Engineering team of over 175 engineers supporting the Department of Defense, Civilian Agencies, and the Intelligence Community. During this time Cisco enabled transformation of battlefield communications with integration of IP, led the introduction and adoption of VOIP throughout the Government, and delivered IPv6 throughout Cisco's product families. Kent's leadership resulted in an increase of Cisco's federal business by simplifying government product certification process and mapping technology architectures to customer challenges.

Prior to Cisco, Kent held the Director of Federal Engineering for Nortel Networks and was a senior consulting engineer at Network Solutions.

Kent holds a Bachelor of Science degree in Zoology from the University of Maine and a Master of Science degree in Information Systems from Johns Hopkins University. He's currently a Member of Cloud Commission 2011 and previously was a board member for nPower.



Evan Marwell, Chief Executive Officer and Founder, EducationSuperHighway

Over the last 25 years Evan has been a serial entrepreneur, starting companies in the telecom, software, hedge fund and consumer retailing industries, including INFONXX (now KGB) and Criterion Capital Management. Collectively, these businesses have created thousands of jobs and generated billions of dollars of revenues and investment returns. Evan has served on the board of several for-profit and non-profit organizations and is currently the President of the Board of Trustees at the Katherine Delmar Burke School in San Francisco. Evan is an honors graduate of Harvard College '87 and Harvard Business School '92.



Joe Reardon, Attorney at Law, McAnany, Van Cleave & Phillips

Joe Reardon, Attorney at McAnany, Van Cleave & Phillips, works with companies and individuals who are ready to move forward with business, development and public policy change in Kansas City and across the country. Innovation and collaboration are key areas of focus for his work with both public and private clients that are looking to form partnerships that advance the economic betterment of communities while fostering

business opportunities for companies and startups. Reardon, while serving as Mayor of Kansas City, Kansas, was the first to negotiate an agreement with Google Fiber making Kansas City the first Google Fiber City. His work on the Google Fiber project ties together innovation as an economic development tool for business, as well as technology and a public policy driver for cities and counties.



Maya Wiley, Counsel to the Mayor, City of New York

Maya Wiley is the Counsel to New York City Mayor Bill de Blasio. Ms. Wiley advises the mayor on legal matters involving City Hall and the executive staff, as well provides counsel to the Mayor on the legal aspects of policy and administrative matters. She also spearheads special projects, such as efforts to invest in New York's technology infrastructure and expand broadband access across all five boroughs.

Ms. Wiley was the Founder and President of the Center for Social Inclusion. A civil rights attorney and policy advocate, she has litigated, lobbied the U.S. Congress and developed programs to transform structural racism in the U.S. and in South Africa.

Prior to founding the Center for Social Inclusion, Ms. Wiley was a senior advisor on race and poverty to the Director of U.S. Programs of the Open Society Institute and helped develop and implement the Open Society Foundation - South Africa's Criminal Justice Initiative. She has worked for the American Civil Liberties Union National Legal Department, in the Poverty and Justice Program of the NAACP Legal Defense and Educational Fund, Inc. and in the Civil Division of the U.S. Attorney's Office for the Southern District of New York. Ms. Wiley previously served on the Board of Directors of Human Rights Watch, the Institute on Race and Poverty at the University of Minnesota School of Law and the Council on Foreign Relations. She is the former chair of the Tides Network Board of Directors. In 2009, Ms. Wiley was named a NY Moves magazine Power Woman. She was also named as one of "20 Leading Black Women Social Activists Advocating Change" in 2011 by The Root.com.

Ms. Wiley holds a J.D. from Columbia University School of Law and a bachelor's degree in Psychology from Dartmouth College.

Broadband Summit Guest Speakers

Virginia Lam Abrams

Senior Vice President, Communications & Government Relations, Aereo, Inc.

Virginia Lam Abrams is Senior Vice President of Communications and Government Relations at Aereo, where she is responsible for guiding all external communications for the start-up. Aereo is a New York City-based technology company that has developed a groundbreaking television technology platform that enables consumers to record and watch live broadcast television on compatible Internet connected devices. Ms. Lam Abrams has deftly guided the public image of the company for nearly two years, including through the company's recent U.S. Supreme Court litigation. Prior to Aereo, she was Senior Vice President of Public Affairs at Rubenstein Communications and served as a deputy press secretary to NYC Mayor Michael Bloomberg, where she led communications for the Mayors Against Illegal Guns Coalition at its inception.

Kenneth Adams, President and Chief Executive Officer, Empire State Development, Commissioner, New York State Department of Economic Development

Kenneth Adams has served as President & Chief Executive Officer of Empire State Development and Commissioner of the New York State Department of Economic Development since February 2011. Empire State Development, or "ESD," is the economic development agency of New York State. Commissioner Adams and his colleagues manage a broad range of programs, incentives and services designed to increase private sector investment and job creation in New York. The organization has a staff of over 400 people located in 12 offices across the State. Mr. Adams works closely with Lieutenant Governor Robert J. Duffy to implement the Regional Economic Development Councils. Mr. Adams came to Empire State

Development from The Business Council of New York State, the State's leading business association, where he served as President and Chief Executive Officer from 2006 to 2011.

Arie Barendrecht, Executive Director, WiredNYC

Arie Barendrecht is the Executive Director of WiredNYC and the Wired Certification program, an initiative launched on September 2013 by The New York City Economic Development Corporation and former Mayor Bloomberg. The objective of the initiative is to promote transparency around the connectivity of buildings, which involves helping tenants locate tech-friendly office space and landlords to better understand, benchmark, and market the telecommunications capabilities of their buildings. Prior to launching WiredNYC, Arie spent the last few years as a consultant with the Boston Consulting Group in New York City and as a student pursuing an MBA at the Wharton School, where he graduated in 2010.

Debra Berlyn, Executive Director, Project to Get Older Adults onLine (Project GOAL)

Debra Berlyn serves as the Executive Director of the Project to Get Older Adults onLine (Project GOAL), and is the President of Consumer Policy Solutions. Immediately prior to launching Consumer Policy Solutions, Ms. Berlyn was Senior Legislative Representative in the Federal Affairs Department of The American Association of Retired Persons (AARP). Ms. Berlyn currently serves as Chair of the Federal Communications Commission's Consumer Advisory Committee and is on the Board of Directors of the National Consumers League and the Future Privacy Forum. Ms. Berlyn is a seasoned veteran of telecommunications and consumer policy issues and an advocate for consumers of technology services.

Michael Curri, Founder and President, Strategic Networks Group Inc.

Michael Curri founded Strategic Networks Group, Inc. in 1998 and as President he leads an experienced team of specialists on a wide range of broadband and economic development initiatives. Michael brings a unique strategic focus to accelerate both the deployment of critical broadband infrastructure and its use by local businesses, organizations and industry to drive innovation, economic growth, and community vitality. With a vision to revitalize communities and regions to more effectively participate in today's economy, Michael has consulted and led on projects across Canada in the US, Europe, the Caribbean and Asia.

Rob DeMartin, Chief Operating Officer, Technicolor-Postworks

Rob DeMartin is the Chief Operating Officer of Technicolor-Postworks, a New York City-based post-production company offering global technology resources for motion picture and television productions, including visual effects, editing, sound, mastering and distribution. Technicolor-Postwork's recent credits include *Noah*, *Her*, *Inside Llewyn Davis*, *Boardwalk Empire* and *The Americans*. Previously, Rob served as Business Manager at IT publisher O'Reilly Media and Executive Vice President of Operations at Zero Point Zero Productions.

Sheila Dugan, Marketing and Communications Manager, EveryoneOn

Sheila Dugan is the Marketing and Communications Manager at EveryoneOn. She was a 2013 Code for America fellow and worked on RecordTrac, a web application to help the City of Oakland manage public records requests. In the past, she worked on broadband infrastructure development and adoption issues at the Center for Innovative Technology and Connect South Carolina. In 2011, Sheila was appointed a Virginia Governor's Fellow and served under the Secretary of Technology in the Office of the Governor. She holds a Bachelor of Arts in Political Science from Brown University and a Masters in Public Policy from The College of William and Mary.

Deirdre Carey Flynn, Executive Director of Telecommunications Policy and Strategy, New York City Department for Information Technology and Telecommunications (DoITT)

Deirdre C. Flynn is a senior information technology executive with 25 years of experience leading telecommunications

and technology solutions policies in the public and private sectors. Ms. Flynn currently serves as Executive Director of Telecommunications Policy and Strategy for the New York City Department of Information Technology and Telecommunications. In this role, Ms. Flynn develops and implements technology and long-range telecommunications strategy, including the City's digital inclusion initiatives. Prior to this, Ms. Flynn was DoITT's Assistant Deputy Commissioner for Telecommunications Services, with oversight responsibility for the agency's Voice and Network Services and the Wireless Technologies divisions. Ms. Flynn is also the City's Mutual Aid and Restoration Consortium point person, responding to and remediating telecommunications outages during and after emergency events.

Greeley Ford, Technical Communications Manager, UNY AT&T Mobility

Greeley Ford is the Technical Communications Manager for UNY AT&T Mobility, where he serves as the liaison between the network organization and sales. He has been with AT&T since 1988. Over the years, Mr. Ford has served in various management positions in sales, operations, customer care and roaming before moving into network, beginning with cell site acquisition and construction back in the 90's. Mr. Ford is also a professional musician. He has toured or shared the stage with national acts such as Earth Wind & Fire, the Kinks and the Beach Boys.

Roberto Gallardo, Project Manager and Faculty Member, Mississippi State University Extension Service

Roberto Gallardo (pronounced GaYardo) is an Associate Extension Professor of the Mississippi State University Extension Service. He holds an engineering degree from the University of the Americas in Mexico and a Ph.D. in Public Policy and Administration. Gallardo is interested in local/regional community economic development and the use of technology (including broadband) for community/economic development purposes. He is the project manager for the statewide broadband adoption initiative.

Dr. Jon Gant, Research Associate Professor & Director, Center for Digital Inclusion

Dr. Jon Gant is a professor at the Graduate School of Library and Information Science at the University of Illinois at Urbana-Champaign, where he serves as the Director of the Center for Digital Inclusion (CDI). Gant is a national leader in the areas of digital inclusion and broadband adoption, and through CDI, is leading multiple efforts to improve the democratic, social and economic vitality of communities through the use of information technologies. In the past two years, Gant has published groundbreaking research in the areas of Internet access and use, including co-authoring the first report to examine broadband adoption among minority communities. Dr. Gant currently serves as a consultant and advisory board member for ASR Analytics, National Telecommunications and Information Administration's (NTIA) Broadband Technology Opportunity Program, and the Urbana-Champaign Big Broadband network.

Cecilia Garcia, Senior Advisor, Benton Foundation

Cecilia Garcia first joined the Benton Foundation in 1997. She retired as executive director in 2013 and now advises the Foundation on issues related to broadband adoption challenges for low-income seniors. Her broad range of experience includes work as a press secretary for a Member of the U.S. House of Representatives. As communications director for a national Latino nonprofit organization, she worked to create greater avenues of access for the Latino community into the political process through leadership development programs, legislative conferences, a seven-site electronic town meeting and the creation of the organization's web site. Cecilia coordinated state outreach activities, developed teacher training models for classroom use, and worked on the CD-ROM version of "Chicano: History of the Mexican American Civil Rights Movement," a four-part PBS documentary produced by the National Latino Communication Center.

Chris Gibson, U.S. Representative, 19th Congressional District, New York State

Chris Gibson was a former officer in the United States Army. He is currently the Republican U.S. Representative for New York's 19th Congressional District. A retired Army colonel, Gibson holds a Ph.D in government from Cornell University in Ithaca, New York. Chris earned two Legions of Merit, four Bronze Star Medals, the Purple

Heart, the Combat Infantryman's Badge with Star, the Master Parachutist Badge and the Ranger Tab. He was elected to represent the 20th Congressional District in 2010 and re-elected in 2012 to represent the 19th Congressional District. In Congress, Chris serves on the House Armed Services Committee, the House Agriculture Committee, and the Republican Policy Committee.

Heather Burnett Gold, President, Fiber to the Home (FTTH)

Heather Burnett Gold is the President of Fiber to the Home (FTTH) Council Americas, a non-profit organization established to help its members plan, market, implement and manage fiber to the home solutions. Council membership includes entities that deliver services over direct fiber optic connections, as well as those involved in planning and building FTTH networks. A thirty-year industry veteran, Gold most recently served as the SVP of External Affairs and Access Management for XO Communications. Gold holds BA (magna cum laude) and MA degrees in Economics from Tufts University and an MBA in Finance and Marketing from Washington University in St. Louis. Gold also completed the General Management Program of the Harvard Business School. She was honored by the *Washington Business Journal* as one of its 2010 Women Who Mean Business and was recognized by Fierce Telecom as one of its Women in Wireline for 2013.

Patrick Halley, Associate Chief, FCC Wireline Competition Bureau

Patrick Halley is an Associate Chief of the Federal Communications Commission's (FCC) Wireline Competition Bureau. He focuses primarily on broadband deployment and competition issues, including modernization of the Commission's E-rate program to enable access to high-capacity broadband for all schools and libraries and the implementation of the Connect America Fund to ensure voice and broadband connectivity for rural consumers and businesses. He also works on consumer and competition policy issues concerning the nation's ongoing transition from 20th-century legacy networks to modern all-IP fiber and mobile networks. Patrick is responsible for policy development, strategy, and coordination within the Commission and with external stakeholders, including other federal agencies and Congress. Prior to his current role, Patrick most recently served as Acting Director of the Commission's Office of Legislative Affairs under Chairman Tom Wheeler.

Edward E. Hemminger, Government Sales Director, Systems Maintenance Services

Ed Hemminger is the National Government and Education Sales Director for Systems Maintenance Services (a large International Independent IT Service Provider). Ed is retired from Ontario County where he was the Chief Information Officer and the Chief Executive Officer for Axxess Ontario. He is currently the Vice-Chairman of the Board for Axxess Ontario. He was selected as the 2009 NY State Public Sector CIO of the Year and 2011 CIO 100 (by *CIO Magazine*). He is also a retired U.S. Air Force Chief Master Sergeant.

John B. Horrigan, Author, "The Essentials of Connectivity" and Independent Communications and Technology Policy Consultant

John B. Horrigan is an independent communications and technology policy consultant. Horrigan's work focuses on consumers' adoption and use of information and communications technologies (ICT), as well as ICT's impact on states and localities. He is author of a landmark report "The Essentials of Connectivity" that makes recommendations on how to accelerate broadband adoption and usage by examining broadband users enrolled in Comcast's Internet Essentials program. Horrigan has served in senior positions at the Pew Research Center, the Joint Center for Political & Economic Studies, and TechNet. At the Federal Communications Commission in 2009-10, he led development of the broadband adoption and usage portion of the National Broadband Plan. Horrigan has a Ph.D. in public policy from the University of Texas at Austin and earned his undergraduate degree from the University of Virginia.

Joanne Hovis, President, CTC Technology & Energy

Joanne Hovis is President of CTC Technology & Energy and a recognized expert in communications policy at the federal, state, and local levels. She has extensive experience as a broadband business consultant working for the public interest. She has developed public-private partnerships on behalf of numerous public sector networks, and provides communities

with guidance on the structures, business models, and financing opportunities available for broadband development. As a longtime advocate for the interests of local communities in communications policy, she has testified before Congress and the FCC and has been widely published and featured as a speaker on topics related to building broadband at the local and state levels. She is the co-author of “*Facilitating Broadband Construction*”, a report on gigabit-capable networks, that was recently featured in *Broadband Communities* magazine. Joanne serves on the Boards of Directors of OneCommunity and the Benton Foundation and is immediate past president of the National Association of Telecommunications Officers and Advisors.

Jeremy Johannesen, Executive Director, New York Library Association

Jeremy Johannesen is the Executive Director of the New York Library Association (NYLA), an organization representing 4000 members of New York’s library community. He is also the program administrator of ‘New York Libraries: Leading the Way to Digital Literacy’, which is providing instruction to 1,400 librarians on delivering digital literacy training to library patrons.

James C. Johnson, Executive Director, Steuben County Industrial Development Agency

James C. Johnson was appointed the Executive Director of the Steuben County Industrial Development Agency in March 2011. Since that time he has led efforts in Steuben County to facilitate business expansions at global manufacturers like The Gunlocke Company, World Kitchen and a \$250 million expansion of Corning Incorporated’s Diesel Substrates business. With over 17 years’ experience in economic development, Johnson also sits on several local, regional and state boards of organizations involved with developing economic development policy and programs. Johnson has a Bachelor in Communications from the University of Pittsburgh and is currently working to complete his Masters in community and economic development from the State University of New York Empire State College.

Tom Kamber, Founder and Executive Director, Older Adults Technology Services

Tom Kamber is the founder and executive director of Older Adults Technology Services (OATS), which since 2004 has provided more than 20,000 free technology classes for senior citizens; built more than 30 technology centers for community partners; and provided digital content to over a million people online at www.SeniorPlanet.org. OATS sponsors the Senior Planet Exploration Center in New York City — the country’s first technology-themed community center for older adults — and works nationally with dozens of nonprofit and corporate partners to harness the power of technology to change the way we age. Tom teaches social entrepreneurship and philanthropy at Columbia University and has published widely in academic journals on public policy, business strategy, and technology. He has a B.A. in Latin from Columbia College and a Ph.D. in Political Science from the City University of New York.

Richard Langford, Strategic Alliance Manager – EDU, Microsoft

Rich Langford joined Microsoft in March 2008 and is currently working with the US Education Team as a Strategic Alliance Manager for the Northeast. As a Strategic Alliance Manager, Rich works with state and national education leaders to identify opportunities for Microsoft to support and advance their efforts to provide top quality instruction and education services for students. Prior to coming to Microsoft, Rich was an Education Market Specialist for Verizon Business, however, most of his career has been spent in the public sector. In 2006, Rich retired from the New York City Department of Education after almost twenty years of service in a variety of roles, including Deputy Chief Information Officer. The New York City Department of Education is the largest K-12 school district in the country serving 1.1 million students in over 1,500 schools throughout the five boroughs.

Betty Little, Senator, 45th Senate District, New York State

Senator Betty Little is serving her sixth term representing the residents of the 45th Senate District, which comprises Clinton, Essex, Franklin, Warren and parts of St. Lawrence and Washington Counties. Prior to winning her first election to the State Senate in November 2002, Senator Little served in the New York State Assembly for seven years. Senator Little’s sixth term builds on many legislative successes. Senator Little serves as chair of the Senate Cultural Affairs, Tourism, Parks and Recreation Committee. In addition, she is a member of the following Senate committees: Consumer Protection;

Crime Victims, Crime and Correction; Education; Environmental Conservation; Finance; and Judiciary. Senator Little first began public service as a member and later Chair of the Town of Queensbury Recreation Commission. In December 2007, Senator Little was awarded an honorary doctorate by her alma mater, the College of Saint Rose.

Bernard A. Margolis, State Librarian and Assistant Commissioner for Libraries, New York State Education Department

Bernard A. Margolis began serving as New York State Librarian and Assistant Commissioner for Libraries in January 2009. Reporting to the Deputy Commissioner for Cultural Education, Mr. Margolis administers the New York State Library, including the Research Library, the Division of Library Development and the Talking Book and Braille Library. In partnership with the state's 73 library systems, the State Library delivers library services to 19.4 million people served by New York's 7,000 academic, public, school and special libraries.

Brian McMahon, Executive Director, New York State Economic Development Council

Brian McMahon has served as the full-time Executive Director of the New York State Economic Development Council since January 1, 2000. Prior to that he served as the Director of Economic Development and Manufacturing for The Business Council of New York State, Inc. Brian McMahon is a director of the New York Business Development Corporation, the Council of Development Finance Agencies, and has served on numerous community boards, including the Wilton Wild Life Park and Preserve and the Albany YMCA. Brian was recently appointed by Governor Cuomo to serve on the Chairman's Committee overseeing the Regional Economic Development Councils.

Joel Mulder, Senior Director of Business Development, G4S Technology, LLC

Joel Mulder is the Senior Director of Business Development for G4S Technology, LLC, a design/build/maintain integrator for commercial, industrial and governmental entities. He has over 35 years of experience in the communications and critical infrastructure security marketplace with previous sales and sales management responsibilities at Motorola, NEC America and Nortel. He was involved in the development of broadband projects nationwide including the New York State Thruway, Iowa Communications Network, Maryland Broadband Cooperative, Mid-Atlantic Broadband Cooperative, Five Colleges, Rural Nebraska Health Network, Illinois Rural HealthNet and Mass Broadband123. He is the company representative to the FTTH Council, is a board member of the Rural Telecommunications Congress and a governor appointee to the Illinois Broadband Deployment Council.

Robert Puckett, President, New York State Telecommunications Association

Bob Puckett is President of the New York State Telecommunications Association (NYSTA), a position he has held since 1998. Prior to becoming President, Bob served as Vice President of Regulatory Policy. NYSTA advocates for many of the state's telecom and broadband providers before federal and state policy makers. Before joining NYSTA, Bob was a consultant to the telecom industry specializing in regulatory accounting.

Chelsea Rao, Vice President, Digital & New Media Development, Empire State Development

Chelsea Rao is Vice President, Digital & New Media Development for Empire State Development. She serves as a liaison to technology firms looking to expand their businesses in New York, connecting them to available resources and addressing policy issues affecting the industry. She was previously Assistant Director at the New York City Economic Development Corporation, where she helped develop NYC's strategy for expanding the tech and bioscience sectors, and launched programs including NYC Media Lab, the NYC BigApps Competition, Connect NYC, and PILOT Health Tech NYC. Chelsea holds a Master's in Public Administration from NYU Wagner and a B.A. from Barnard College.

Michael J. Santorelli, Co-Director of the Advanced Communications Law & Policy Institute, New York Law School

As Co-Director of the Advanced Communications Law and Policy Institute (ACLP), Santorelli writes widely on broadband, telecommunications, wireless, and Internet law and public policy issues. He has also been called upon to advise numerous groups on broadband policy and regulatory matters. These have included the National Association of Regulatory Utility Commissioners' Task Force on Federalism in Telecommunications; the Technology Working Group of the New York City Mayoral Task Force for an Age Friendly NYC; the Joint Mayoral-City Council Broadband Advisory Committee in New York City; and the Social Impact Technology Network, which is comprised of a number of leading nonprofits that focus on bolstering digital literacy and broadband connectivity among under-adopting groups. Prior to joining the ACLP, Michael was the lead staffer for the New York City Council's Committee on Technology. Michael also advised Council members on relevant telecommunications and Internet policy matters pending before the city.

Gregg C. Sayre, Commissioner, New York State Public Service Commission

Gregg C. Sayre was appointed Commissioner of the New York State Public Service Commission in June 2012. In July 2013, the FCC appointed Mr. Sayre to the Federal-State Joint Conference on Advanced Telecommunications Services, a forum among the FCC, state regulators, and local and regional entities regarding the deployment of advanced telecommunications capabilities. Before his appointment to the PSC, Mr. Sayre was a regulatory attorney with the Pennsylvania Public Utility Commission, The Chesapeake and Potomac Telephone Companies and Frontier Communications. Mr. Sayre has a B.A. from Grinnell College, a J.D. from Harvard Law School and an M.S. from the Rochester Institute of Technology.

Joe Starks, Founder and President, ECC Technologies

Joe Starks is Founder and President of ECC Technologies, a full service technology consulting group responsible for the development of over a billion dollars in technology programs throughout North America including programs and plans for education, corporate, and community environments. Joe is a pioneer in the development of community-based technology and telecommunications programs as well as the creation of public-private partnerships. Joe works with several communities on the establishment of broadband based technology-led development strategies designed to create globally competitive advantages and job creation for these communities. Joe has served as a founder on numerous for profit and municipal-based not-for-profit broadband and technology opportunities. The internationally-acclaimed Ontario County Model and Southern Tier Network are two of many.

Amy Sullivan, Senior Analyst, National Grid

Amy Sullivan is a Senior Analyst at National Grid where her responsibilities include the management of third party attachments in the Outdoor Lighting and Attachments group. Before joining National Grid in September 2013, Amy was a Lead Specialist at Verizon Communications Inc., in the Network Engineering Department. Amy has managed multi-million dollar projects, including FiOS deployment projects within the North East territory. Amy has led a team of Engineering Specialists in Pole and Conduit License administration and reimbursable engineering processes for CLEC, CATV and other third party attachment customers in Massachusetts and Rhode Island. Her role at National Grid includes the New York service territory.

Phil Wagschal, President and Chief Technology Officer, Slic Network Solutions

Phil Wagschal has 25 years of experience in the telecommunications industry and is President and Chief Technology Officer of Slic Network Solutions. Phil oversaw the acquisition of \$33 million in federal stimulus grant to construct 800 miles of fiber network passing 6000 homes in rural unserved St. Lawrence and Franklin counties. Phil continues to provide strategic network design and has obtained over \$6 million in additional grant funding from New York State for a 155 mile network expansion passing 2300 homes in Clinton, Essex and Hamilton counties.

Robert Whitman, Vice President, Market Development, Corning Optical Communications

Bob Whitman is responsible for global Carrier Networks Market Development to include strategy and execution of Corning's Fiber to the Home (FTTH), Fiber-to-the-Antenna (FTTA) and Carrier Switching Center initiatives. Active for 17 years promoting optical fiber networks through education and public policy, Bob has developed commercial and technical expertise in all aspects of optical communications. He is one of the three founding individuals of the FTTH Council NA. Previously, Bob was the director for global FTTH program management and has held a variety of engineering, marketing and market development positions. Prior to joining Corning in 1997, Bob served as a Nuclear Power Engineering Officer in the U.S. Navy.

Charlie Williams, Vice President, Government Relations, Time Warner Cable

Charlie Williams is Vice President of Government Relations for Time Warner Cable, joining the company in 2009 to advance the company's interests before state, federal and local lawmakers and policymakers in the northeast. Charlie's 20+ year career includes public service for the NYS Governor, the NYS Senate Majority Leader and other public entities, where he focused on education and economic development policy. Williams' private sector work includes advocacy for telecommunications, higher education, biotechnology and pharmaceutical interests at all levels of government. Williams received his Master's degree from the Rockefeller College of the University at Albany.

Jessica A. Zufolo, Deputy Administrator of the Rural Utilities Service (RUS) at the U.S. Department of Agriculture (USDA)

Jessica Zufolo was appointed by President Barack Obama as Deputy Administrator of the Rural Utilities Service (RUS) at the U.S. Department of Agriculture (USDA) on July 10, 2009. Prior to joining the Obama Administration, Jessica served for 6 years as the Senior Policy Director for telecommunications, media and technology research for Medley Global Advisors (MGA), an independent policy research firm serving institutional investment banks, hedge funds and asset managers both domestic and internationally.

Jessica Zufolo's Bio Jessica is currently on a six month detail assignment to serve the First Responder Network Authority (FirstNet) within the U.S. Department of Commerce as the Director of Rural Infrastructure Strategy. In this role, Jessica supports the Office of the Acting General Manager in developing and executing a network deployment strategic plan to construct and operate a nation-wide, interoperable public safety broadband network and meet the substantial coverage requirements in rural areas and tribal lands outlined in the authorizing statute.

Jessica is also responsible for coordinating all rural infrastructure partnership opportunities between FirstNet and rural telecommunications, electric utility and water system stakeholders to maximize cost and deployment synergies and extend network coverage further into rural areas and federal lands.



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