New NY Broadband Program

David Salway, Executive Director, NYS Broadband Program
NYS Broadband Program Office

- Chief Broadband Advisor to Governor Cuomo - Recommends Broadband Programs and Policies
- Single Point of Contact for NYS Broadband
- Supports Broadband Initiatives for 10 REDCS
- Administers Broadband Grant Programs
- Partners with Local, State and Federal Agencies
- Conducts Outreach – Public, Provider, and Other Stakeholder
Our Partners – Essential to New York’s Success

- Federal Government – FCC / USDA / RUS/ NTIA
  - Partner to Explore Opportunities for Funding
  - E-Rate Collaboration

- State Government
  - Public Services Commission – Streamline Regulations
  - Department of Transportation/Thruway Authority – Dig Once Policies

- NYS Legislature / Local Community Government
  - Explore opportunities in Districts/ Municipalities

- Provider Community
  - Public Interest Groups – NYSAC, NYSTA, NYSWA, WISPA
  - Public/Private Partnerships to Expand Networks

- Education/Libraries
  - State Education Department
  - School Districts / BOCES
  - Education Superhighway
  - Schools, Health & Library Broadband Coalition (SHLB)
NYS Broadband Landscape

• **6 Mbps/1.5 Mbps** (New York definition of “broadband”): 1 million residents and 4,000 businesses lack access

• **25 Mbps/10 Mbps**: 5.4 million residents and 55,000 businesses cannot lack access to broadband at these speeds

• **100 Mbps/10 Mbps**: 7 million residents and 113,000 businesses cannot get access to broadband at these speeds.
  
  • **70 percent of upstate** New Yorkers cannot access broadband at 100Mbps, including thirty-two counties with no access at all to broadband at that speed
The New NY Broadband Program

Broadband Availability
January 2015
6 Mbps Download

- 6 Mbps/1.5 Mbps (New York definition of “broadband”):
  - 1 million residents and 4,000 businesses lack access
$70 Million in Broadband Investments

• Provide High-Speed Internet Service to:
  • 160,000+ Households
  • 8,000 Businesses
  • 500+ Community Anchor Institutions
New NY Broadband Program

$1 billion broadband program that leverages both public and private resources to ensure every New Yorker has access to high-speed Internet by 2019

The largest and most ambitious broadband commitment in the nation.
Components of the New NY Broadband Program

1) Funding

• Public/private sector partnerships and a required private sector match of at least 1:1
• The ability of the State to recoup some of its investment through return on loans and investments made
2) **Speeds**

- Unprecedented broadband speeds up to 100 Mbps in most places. 25 Mbps to New York’s most remote communities

3) **Deployment**

- Regional, ground-up deployment planning with the help of the Regional Economic Development Councils
- Enhanced NYS Broadband Mapping Program
- Leveraging of state-owned fiber and other assets
  - Fiber, Conduits, Land
4) **Policy**

- Streamlining State policy and regulations to speed up and reduce costs of deployment
  - Make Ready, Rights of Way, Pole Issues
- Development of a web-based State Broadband Deployment Resolution Center
  - Resolve deployment-related bureaucratic, administrative, and regulatory issues
  - Broadband documentation repository
5) **Broadband Adoption**

- **I Link NY**
  - Designed to increase sustainable broadband adoption for low income families by..
    - Providing low-cost broadband service
    - Providing low-cost/no cost devices
    - Providing digital literacy training
$2 Billion Smart Schools Initiative

- Provide students’ access to state-of-the-art classrooms
- Ensure schools are equipped with robust broadband infrastructure
- Enable community access to high-speed Internet

“In order to effectively integrate technology into the classroom, there needs to be sufficient access to the Internet in both schools and communities.”

– Governor Andrew M. Cuomo
Broadband Community Planning Toolkit

Overview on how to help deploy broadband in your community

• Develop goals for building a broadband network
• Identify stakeholders/community champions
• Develop asset lists and collect data
• Identify potential partners
• Fund broadband projects
Google Fiber Ready Checklist

Item #1 — Provide information about existing infrastructure
✓ Gather and submit all required data asset requests as outlined in the Data Request List (Appendix 1A).
✓ Identify which infrastructure and/or data is not owned, operated or controlled by the city.

Item #2 — Help ensure access to existing infrastructure
✓ Provide a description of any existing state laws, local ordinances, and/or commercial agreements that satisfy the attachment and use rights described.
✓ Work with us, as needed, to ensure that Google and other service providers have access to these rights.

Item #3 — Make construction speedy and predictable
✓ Review the Google Fiber Permitting, Construction, and Maintenance Plan (Appendix 3A) and identify where your city’s current practices differ.
✓ If your city’s current practices do differ, please explain why and outline ideas to accommodate a large network build with accelerated timelines.
✓ Upload your existing permit application for our review.
✓ Identify any local, city or state-wide requirements that may impact a network build by reviewing and responding to the list of Construction Constraints List (Appendix 3B).
✓ Upload the final Hut License, as agreed upon between Google Fiber and the city.

Maximizing Federal Funding in NYS

USDA

- Community-Oriented Connectivity Broadband Grant ("Community Connect") Program
  - Supports broadband deployment that fosters economic growth and delivers enhanced educational, health care, and public safety benefits.
- Distance Learning and Telemedicine (DLT) Program
  - Provides grants for telecommunications technologies in educational and healthcare sectors.
- Rural Broadband Loan
  - Loans for the construction, improvement, and acquisition of facilities and equipment to provide broadband service to rural areas on a technology-neutral basis.
- Telecommunications Loan Program
  - Provides loans for the deployment of rural telecommunications infrastructure.

FCC

- Connect America Fund (CAF)
  - $1.675 billion annually, for 6 years (2015-2020)
  - Providers have until August 27, 2015 (120 days) to accept the offers
Enhanced NY Broadband Mapping Program Includes:

- Data Rich Mapping Program at Granular Levels
- Fiber Data Collection
- Pole Data
- Other Assets
- Broadband Infrastructure Dashboard
Universal Broadband Access by 2019

The New NY Broadband Program

Broadband Availability
January 2015
100 Mbps Download

Broadband Service of at least 100 Mbps Download
Broadband For All

#Broadband4All

https://www.ny.gov/programs/broadband-all