



2014 Broadband Update

David Salway, Director
NYS Broadband Program Office

Broadband Funding

- **CFA Round 4 - \$150M Round 4 –2014**
- **CFA Round 3** - \$11M Awarded to 3 Project Sponsors and North Country Broadband Fund (Dec 2013)
- **Connect NY Broadband Grant Program** - \$25M Awarded March 2013
 - 18 Project Sponsors - Expand Last-Mile Access in Un/Underserved Communities
- **CFA Round 2** - \$6M Awarded to 4 North Country Project Sponsors (Dec 2012)
- **CFA Round 1** –\$2M Awarded to 4 Project Sponsors (Dec 2011)
- **ARRA Broadband Federal Funding** - \$160M (2009)
 - 15 ARRA Awards to Private/Public Entities
 - \$9M For Broadband Mapping and Planning
 - \$1.2M to Expand Broadband Program Office
- **NYS Universal Broadband Grants** - \$5M Awarded to 9 Public/Private Partnerships (2008-2011)

\$68M
The Total Amount of Funding Awarded for Broadband Projects During Governor Cuomo’s Administration

The Largest Statewide Broadband Funding Commitment in the Nation.





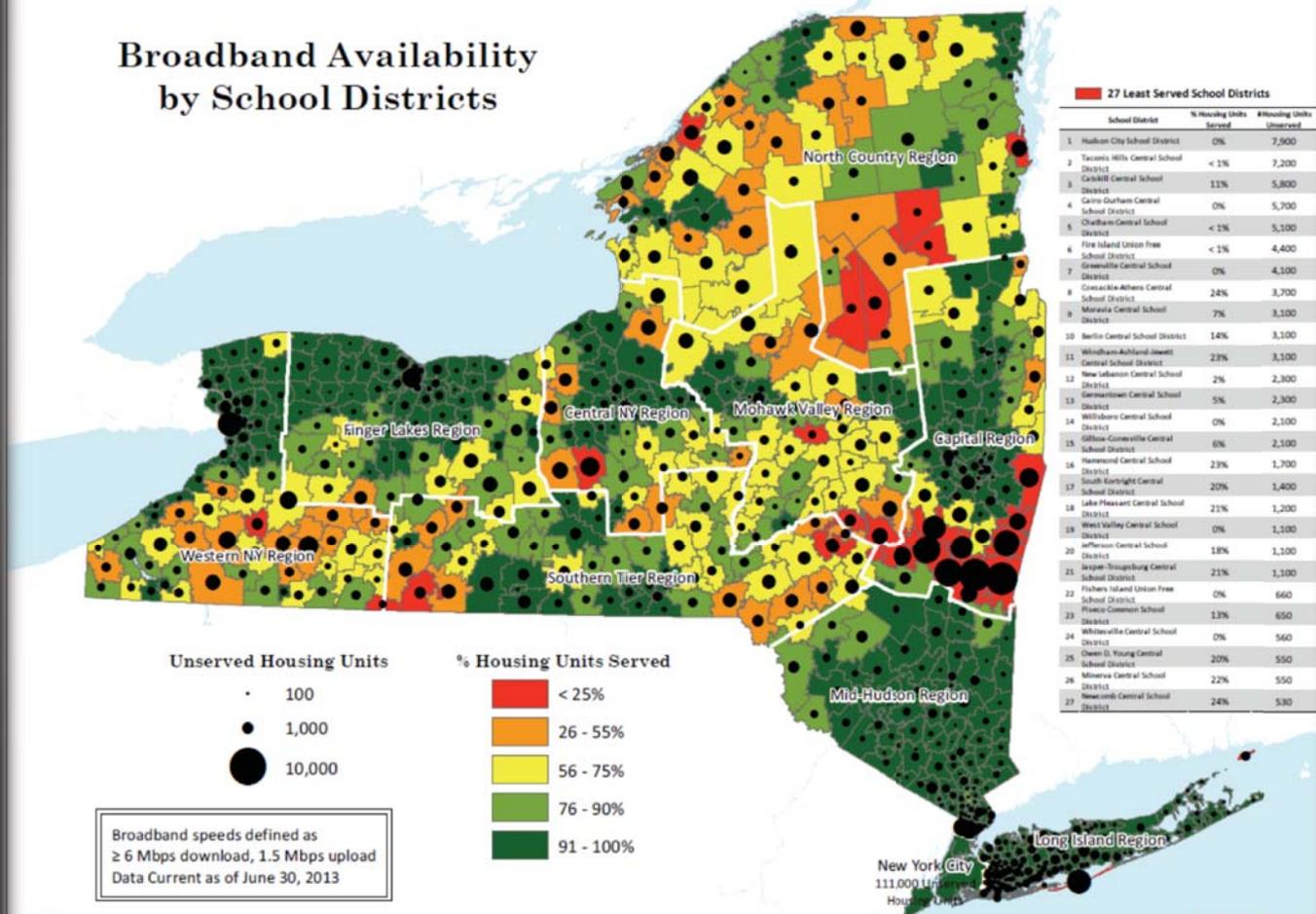
Governor Cuomo's 2014 State of the State Address

\$2 billion "Smart Schools" Bond Referendum:

- A World-class Broadband Network Delivering High Speed Broadband to Meet The Needs Of Education, Public Safety, Healthcare, and Government
- **Enable students' access** to state-of-the-art classrooms
- **Enable Communities access** to high-speed Internet
- Enhanced Economic Development and Job Creation, Furthering New York's National Leadership And International Competitiveness.

"The students get the skills they need to succeed within the 21st century economy, they have access to advanced courses, parents and teachers can communicate and teachers can access the assistance and training that they need." – Gov. Andrew Cuomo

Broadband Availability by School Districts



27 Least Served School Districts

| School District | % Housing Units Served | Remaining Units Unserved |
|--|------------------------|--------------------------|
| 1 Hudson City School District | 0% | 7,900 |
| 2 Taconic Hills Central School District | < 1% | 7,200 |
| 3 Cortland Central School District | 11% | 5,800 |
| 4 Cairo-Durham Central School District | 0% | 5,700 |
| 5 Chatham Central School District | < 1% | 5,100 |
| 6 Fire Island Union Free School District | < 1% | 4,400 |
| 7 Greenville Central School District | 0% | 4,100 |
| 8 Conesville Athens Central School District | 24% | 3,700 |
| 9 Moravia Central School District | 7% | 3,100 |
| 10 Berlin Central School District | 14% | 3,100 |
| 11 Winthrop-Ashland Jewett Central School District | 23% | 3,100 |
| 12 New Lebanon Central School District | 2% | 2,300 |
| 13 Germantown Central School District | 5% | 2,300 |
| 14 Willboro Central School District | 0% | 2,100 |
| 15 Ulster-Cornwall Central School District | 6% | 2,100 |
| 16 Hammonds Central School District | 23% | 1,700 |
| 17 South Kortright Central School District | 20% | 1,400 |
| 18 Lake Pleasant Central School District | 21% | 1,200 |
| 19 West Valley Central School District | 0% | 1,100 |
| 20 Jefferson Central School District | 18% | 1,100 |
| 21 Jay-Strongsburg Central School District | 21% | 1,100 |
| 22 Fishers Island Union Free School District | 0% | 660 |
| 23 Plover Common School District | 13% | 650 |
| 24 Whitesville Central School District | 0% | 560 |
| 25 Owen G. Young Central School District | 20% | 550 |
| 26 Minerva Central School District | 22% | 550 |
| 27 Newcomb Central School District | 24% | 530 |

Unserved Housing Units

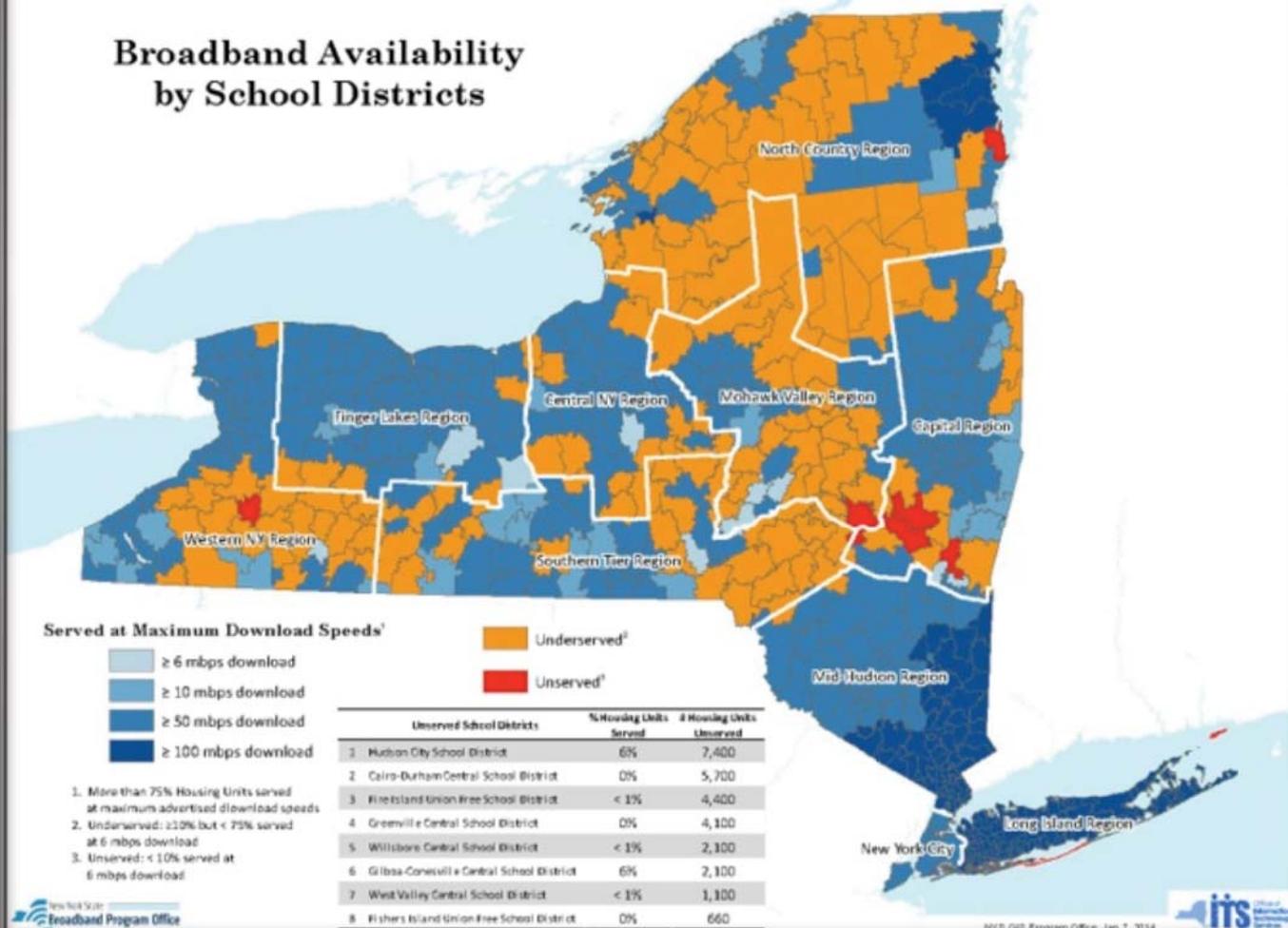
- 100
- 1,000
- 10,000

Broadband speeds defined as
≥ 6 Mbps download, 1.5 Mbps upload
Data Current as of June 30, 2013

% Housing Units Served

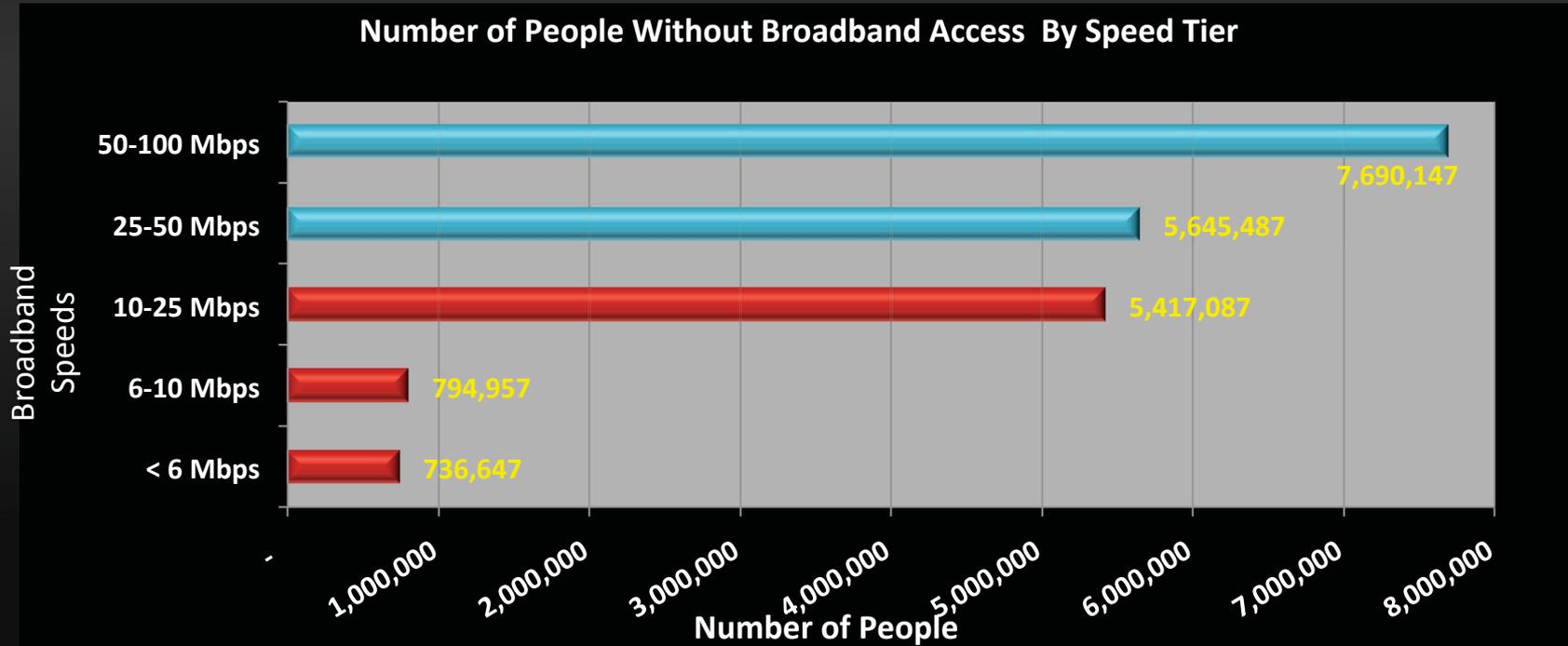
- < 25%
- 26 - 55%
- 56 - 75%
- 76 - 90%
- 91 - 100%

Broadband Availability by School Districts



8.4M New Yorkers (3.7M Households) Living Upstate

- Only 679,940 New Yorkers Can Access Speeds >100 Mbps.
- 736,647 New Yorkers Have No Access to Broadband





Breaking Down Barriers to Broadband Expansion in New York

New York State Broadband

by the numbers



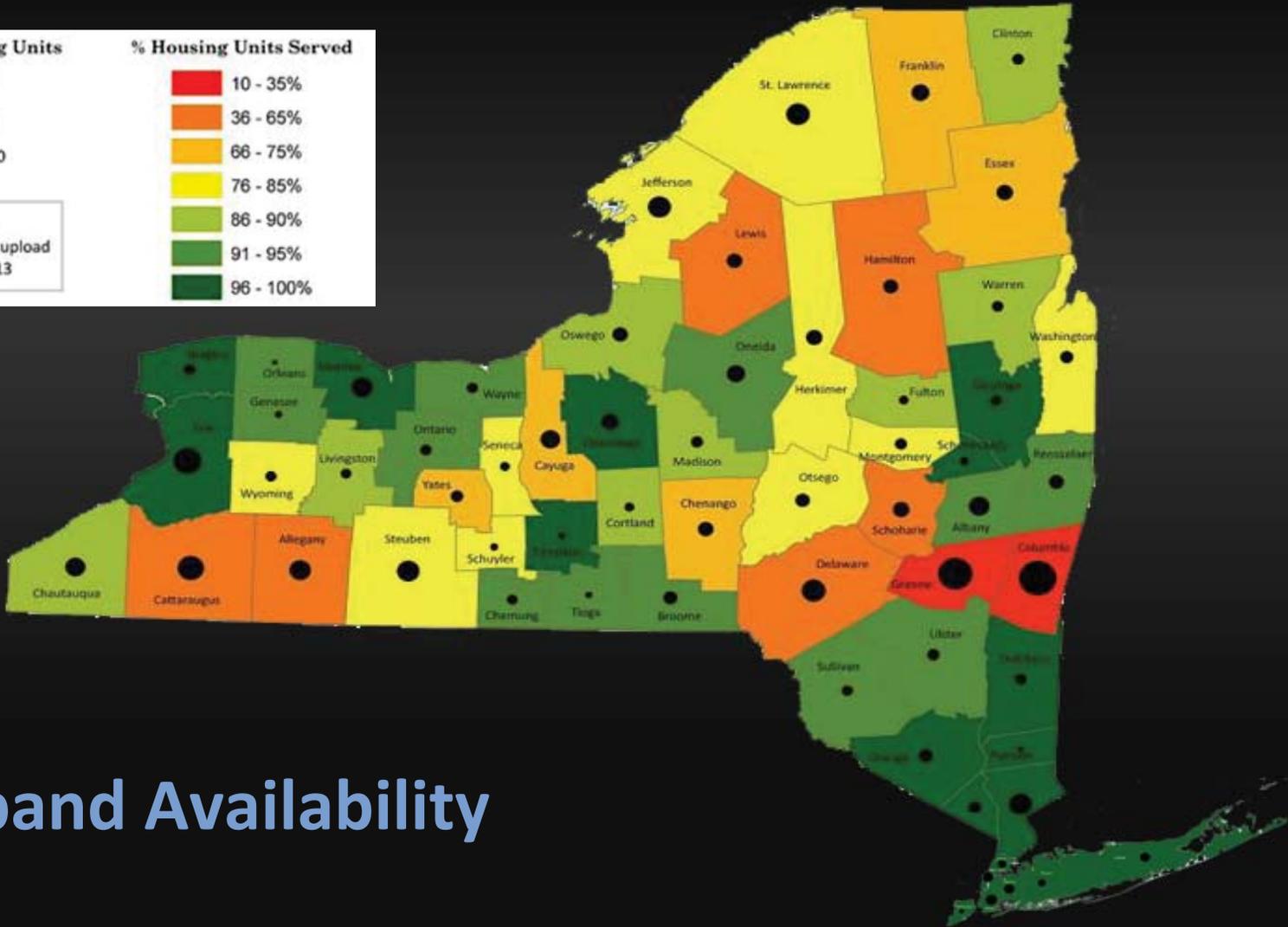
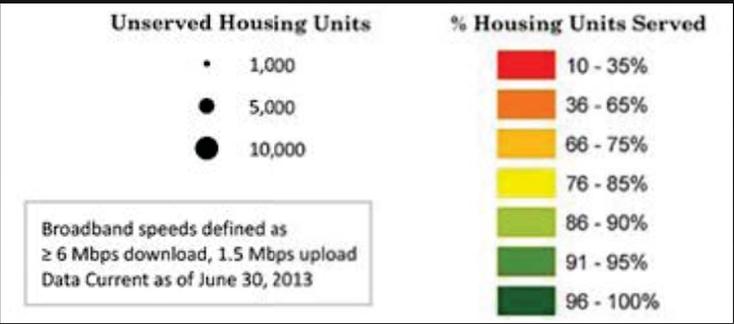
Broadband Access & Speed

1 Million People Lack Access

North Country has highest percentage of unserved residents - 17% or 74,893 people

Greene and Columbia Counties represent highest # of unserved citizens per county (80% Greene and 84% Columbia)

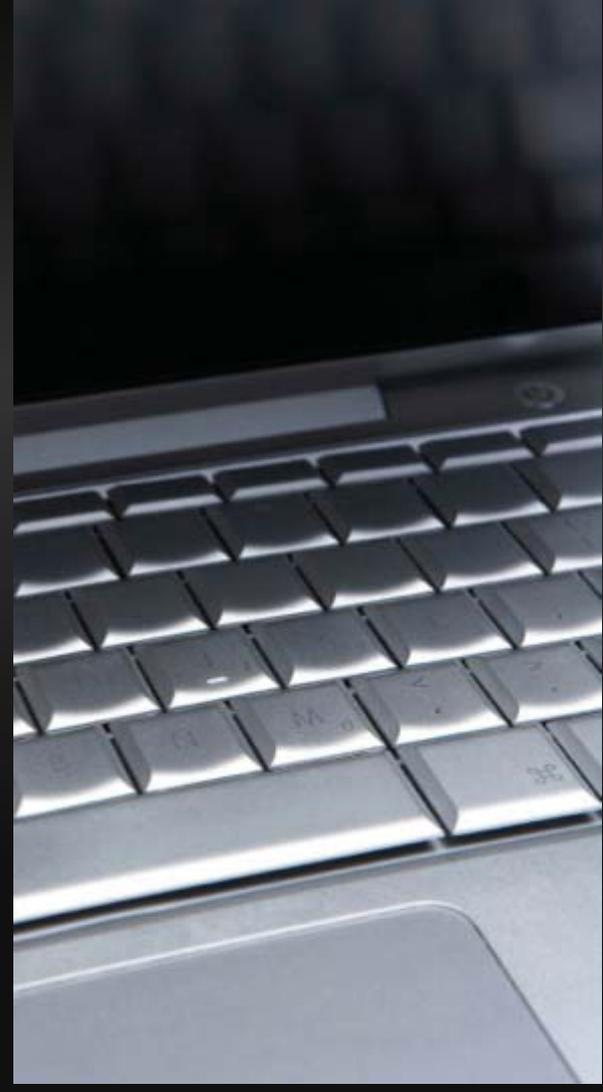
100 Mbps or Higher Download — 47 counties (10M people) have no access to these download speeds



Broadband Availability

Closing the Digital Divide Requires a Solution to...

- 1. Connect Every Community**
- 2. Provide Ultra-Fast Networks for Economic Development**
- 3. Make Broadband Affordable and Provide Digital Literacy Training**



Economic Impact

(Broadband Adoption Increase of 7%)

- The Annual Economic Impact Associated with Accelerating Broadband for **New York State**
 - Total Annual Economic Impact - \$9.9 Billion
 - Jobs Created or Saved Annually – 147,884
 - Direct Annual Income Growth from the Increase in Broadband – \$6.8 Billion
 - Average Annual Healthcare Costs Saved – \$42.8M



Newly Created New York State Task Forces



Broadband Adoption Task Force



Broadband Availability Task Force

Newly Created New York State Task Forces



Mission:
To improve broadband access for all New Yorkers; and build a stronger New York economy by developing strategies to accelerate high-speed broadband deployment and advance New York State's broadband availability goals.

Broadband Availability Task Force

Newly Created New York State Task Forces



Broadband Adoption Task Force

Mission:

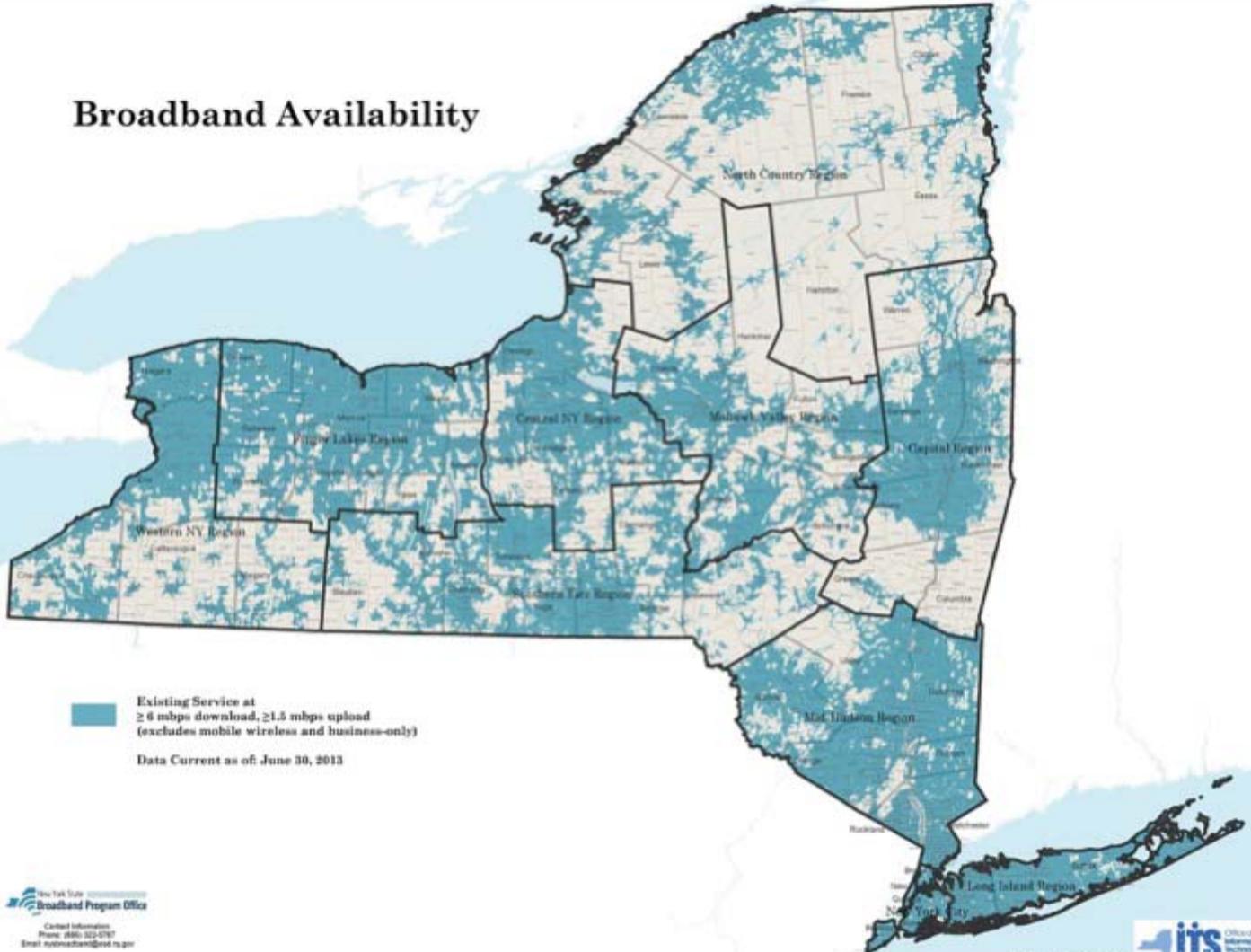
To stimulate demand for broadband services to advance New York State's broadband adoption goals by developing strategies to address affordability, awareness, digital literacy, and the use of broadband for commercial and institutional use.

Responsibilities

- Examining challenges to broadband deployment and identifying opportunities to address these challenges
- Examining regulations and recommending processes to streamline policies
- Developing permitting best practices to achieve faster deployment, and a timeframe in which to meet these goals
- Encouraging collaboration among stakeholders
- Developing reports as requested

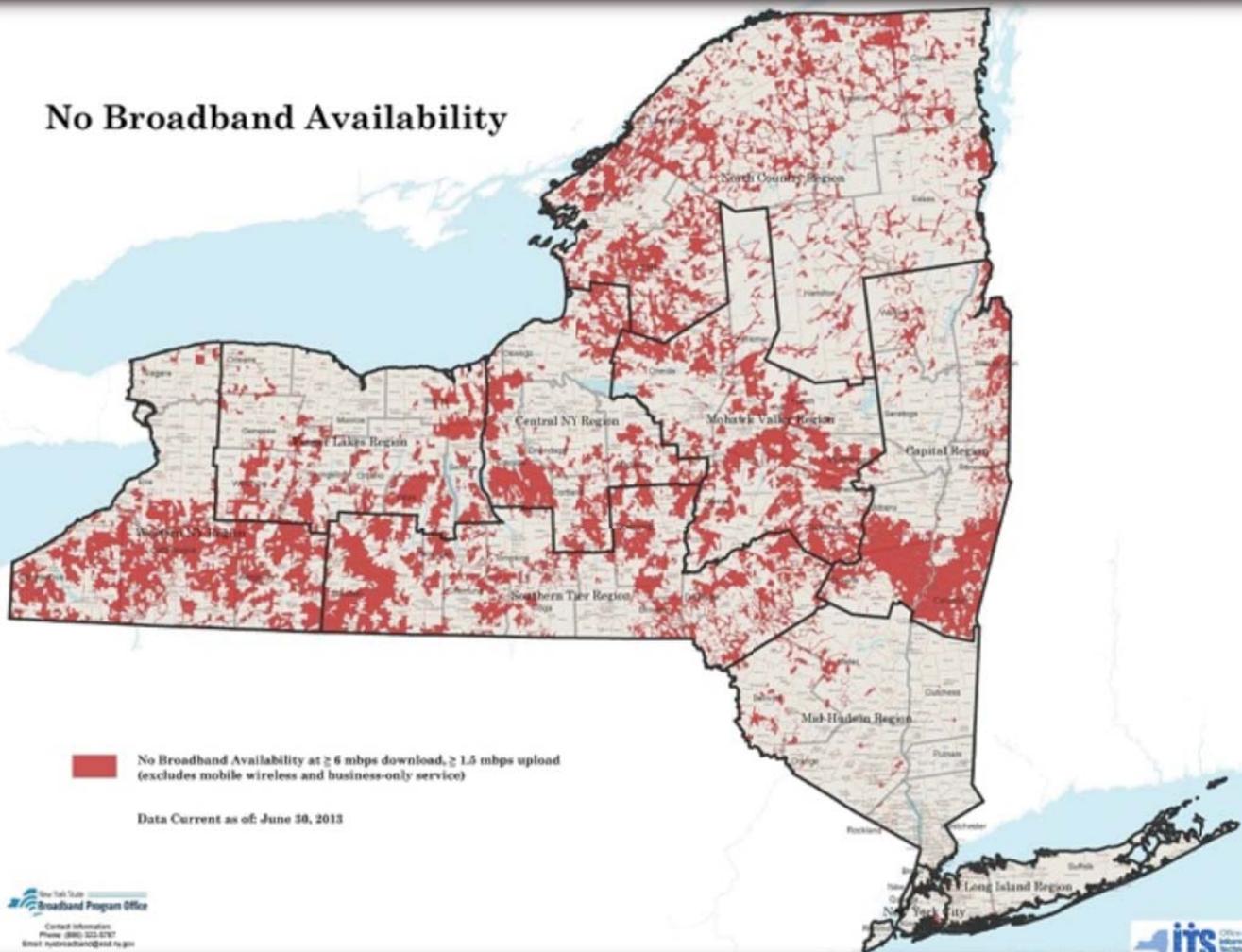


Broadband Availability

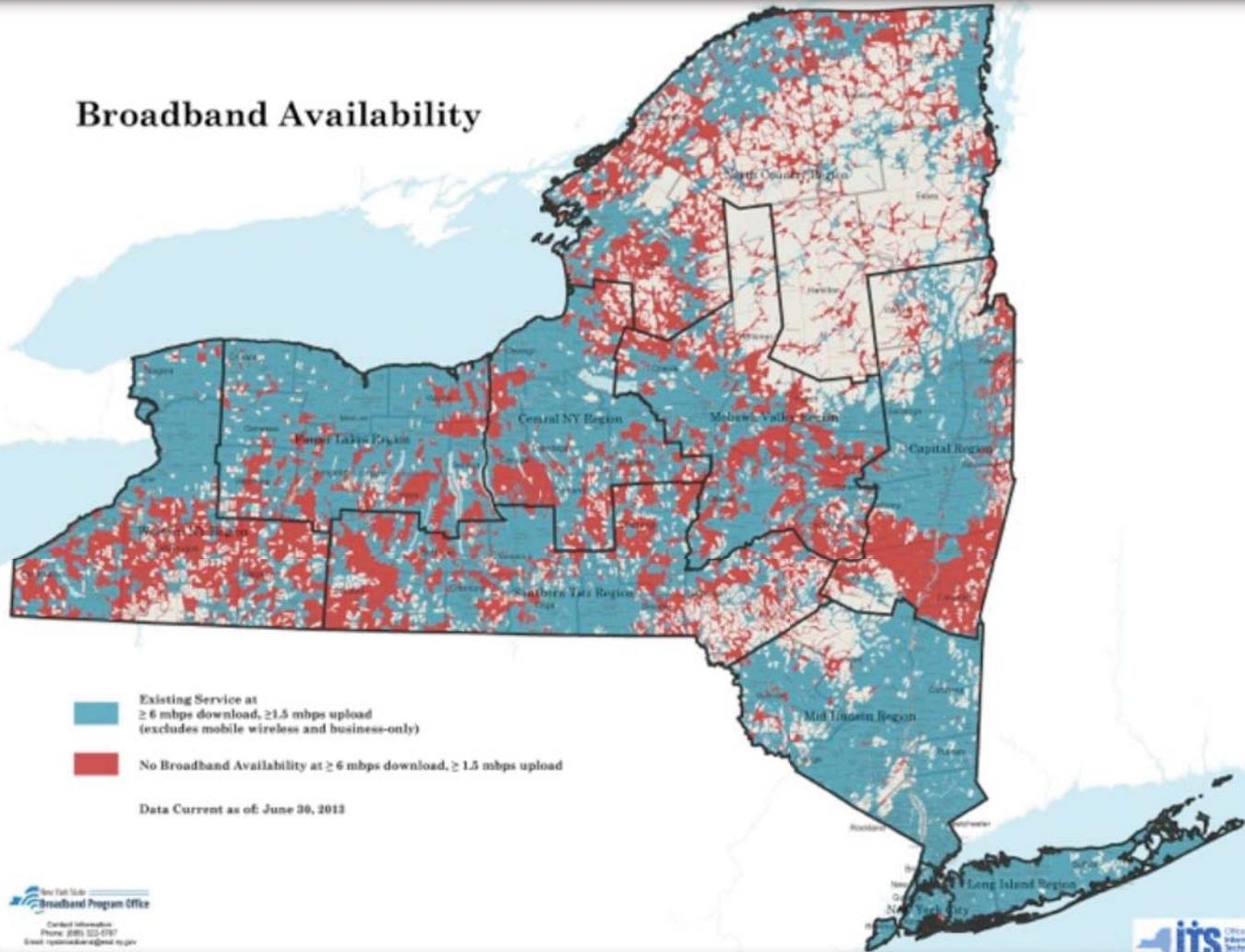


**1.03 Million or
5% of New
Yorkers Lack
Access to
Speeds of
6 Mbps
Download/
1.5 Mbps
Upload**

No Broadband Availability



Broadband Availability

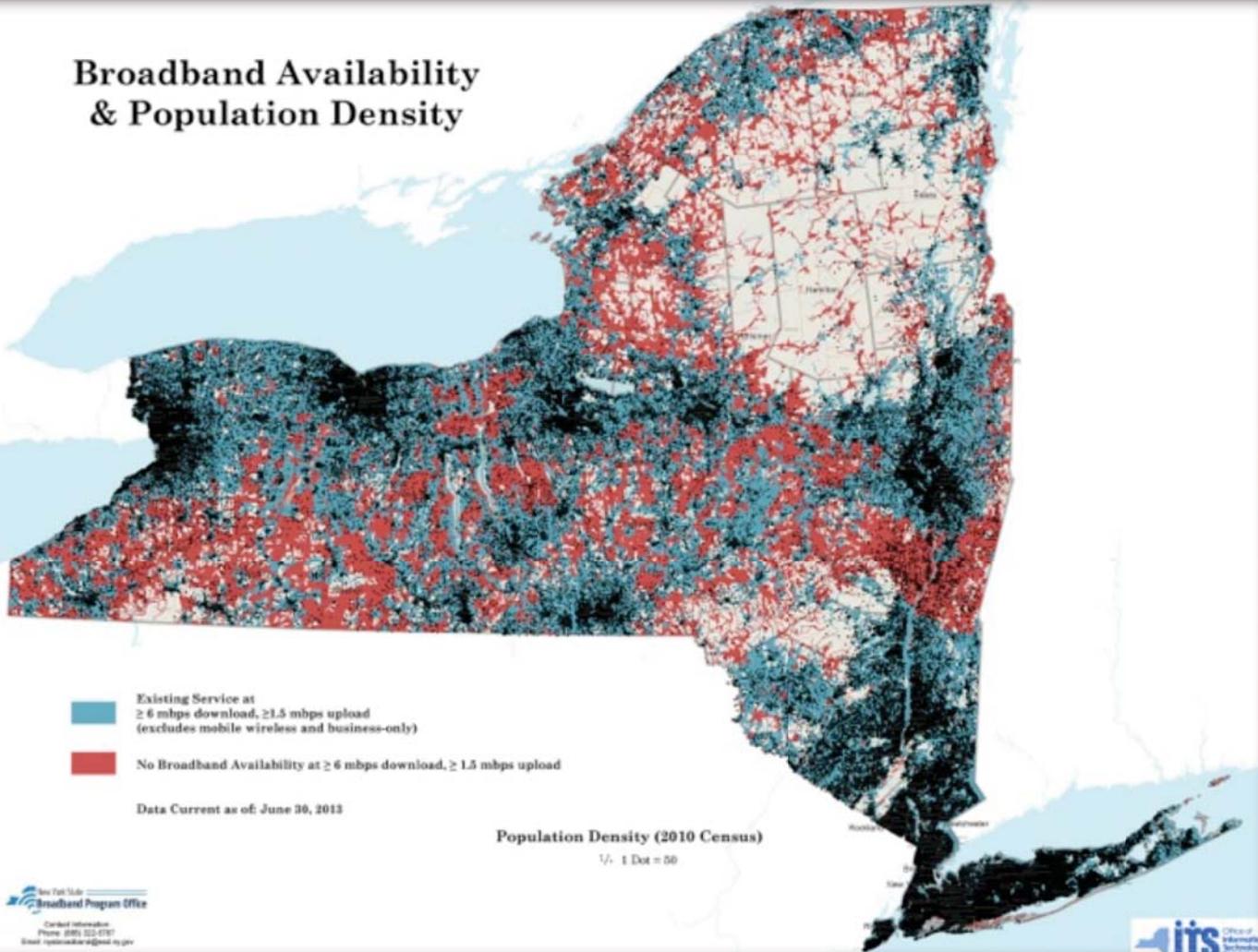


Existing Service at ≥ 6 mbps download, ≥ 1.5 mbps upload (excludes mobile wireless and business-only)

No Broadband Availability at ≥ 6 mbps download, ≥ 1.5 mbps upload

Data Current as of: June 30, 2013

Broadband Availability & Population Density



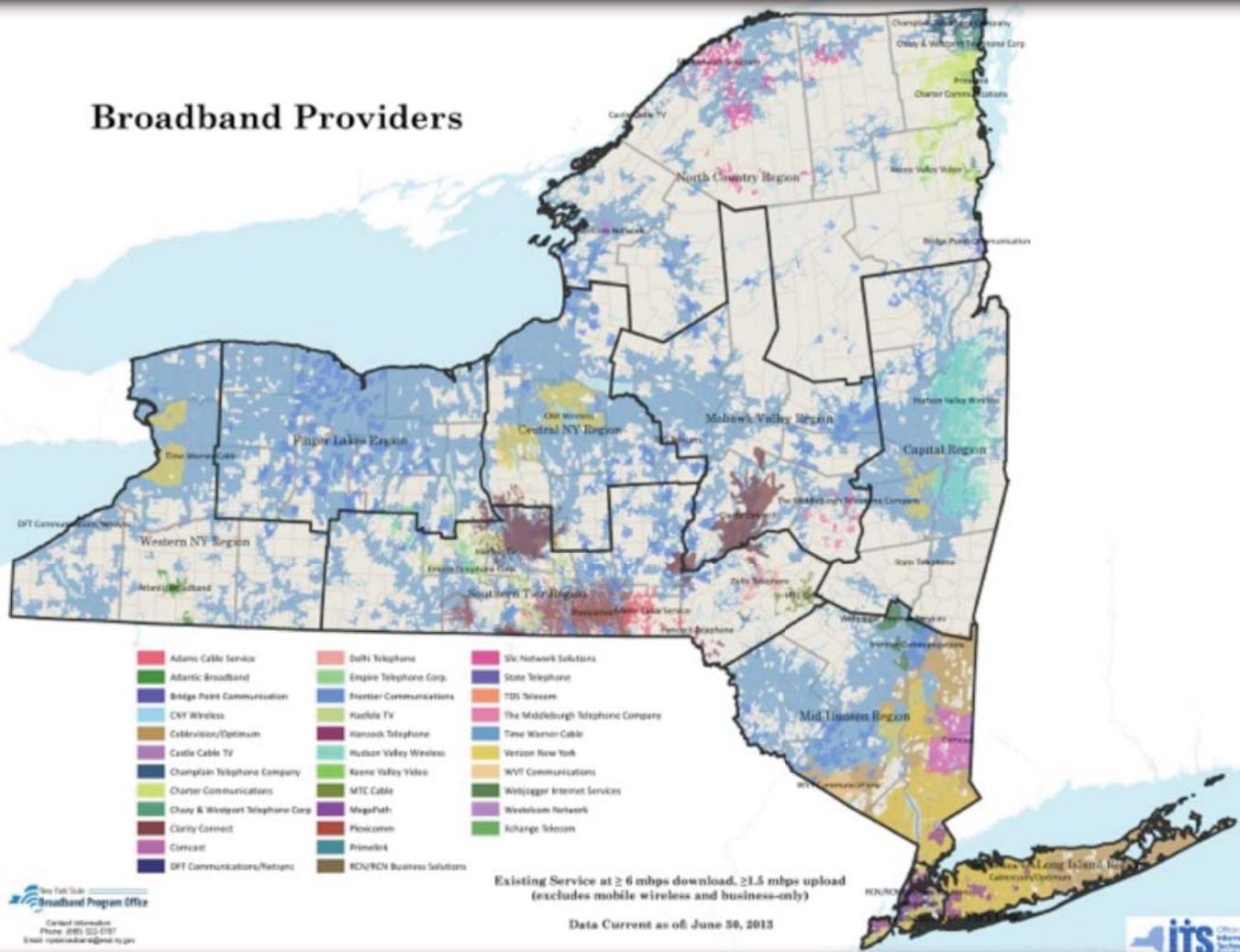
-  Existing Service at ≥ 6 mbps download, ≥ 1.5 mbps upload (excludes mobile wireless and business-only)
-  No Broadband Availability at ≥ 6 mbps download, ≥ 1.5 mbps upload

Data Current as of: June 30, 2013

Population Density (2010 Census)

1 Dot = 50

Broadband Providers



- | | | |
|----------------------------------|----------------------------|-----------------------------------|
| Adams Cable Service | Duff's Telephone | Six Network Solutions |
| Atlantic Broadband | Empire Telephone Corp. | State Telephone |
| Bridge Peak Communications | Frontier Communications | TDS Telecom |
| CNY Wireless | Hurlock TV | The Middleburgh Telephone Company |
| Cablevision/Optimum | Hancock Telephone | Time Warner Cable |
| Castle Cable TV | Hudson Valley Wireless | Verizon New York |
| Champion Telephone Company | Keene Valley Video | WVT Communications |
| Charter Communications | MTC Cable | Whijigger Internet Services |
| Chazy & Wilkeson Telephone Corp. | MegaPath | Wiredium Network |
| Clarity Connect | Piscocom | Xchange Telecom |
| Comcast | PrincoLink | |
| DIT Communications/Netnet | RCN/RCN Business Solutions | |

Existing Service at ≥ 6 mbps download, ≥ 1.5 mbps upload
(excludes mobile wireless and business-only)

Data Current as of: June 30, 2013



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