



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.





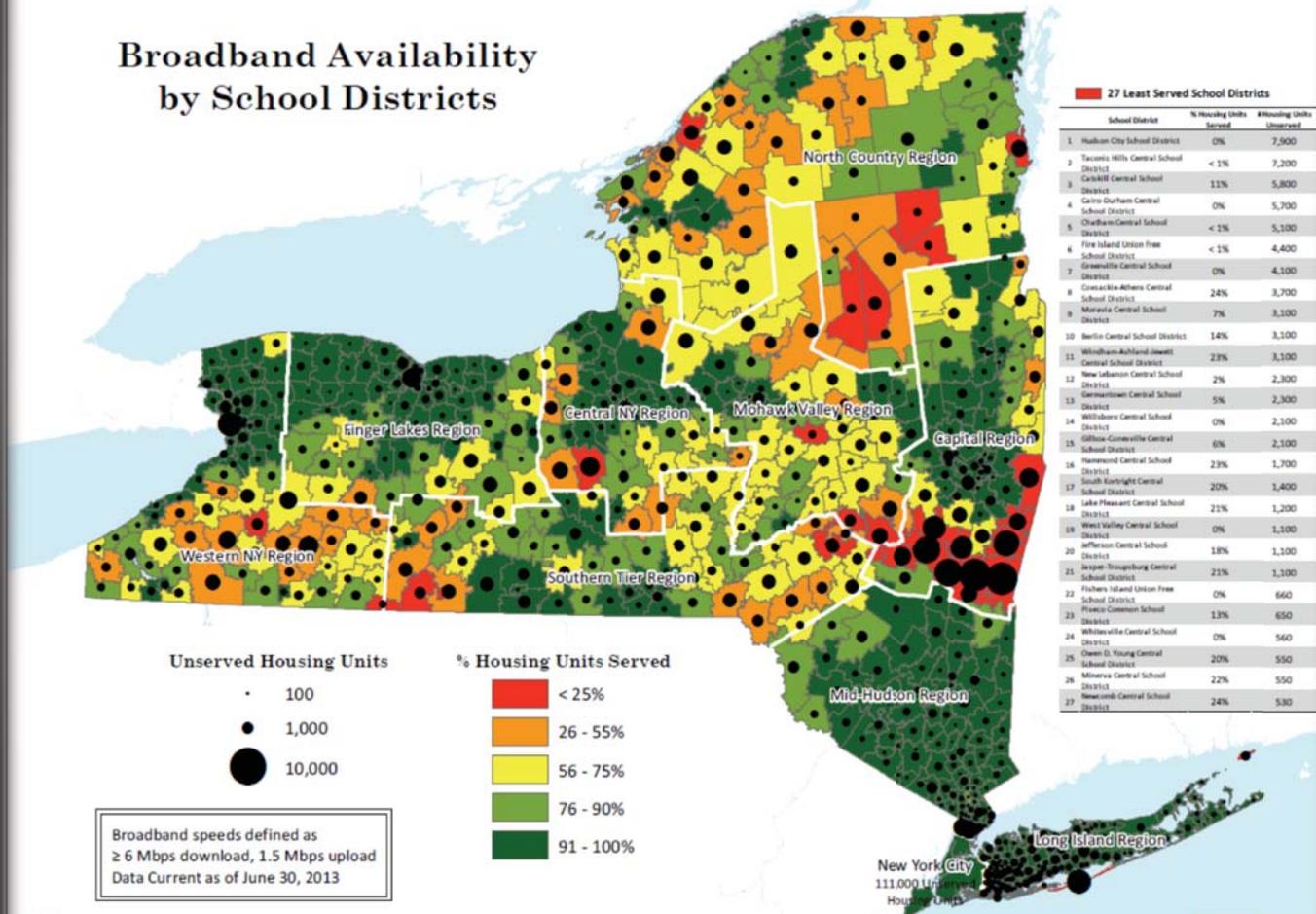
Governor Cuomo's 2014 State of the State Address

\$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 Kanawatch 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 Jersey-Tioga 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

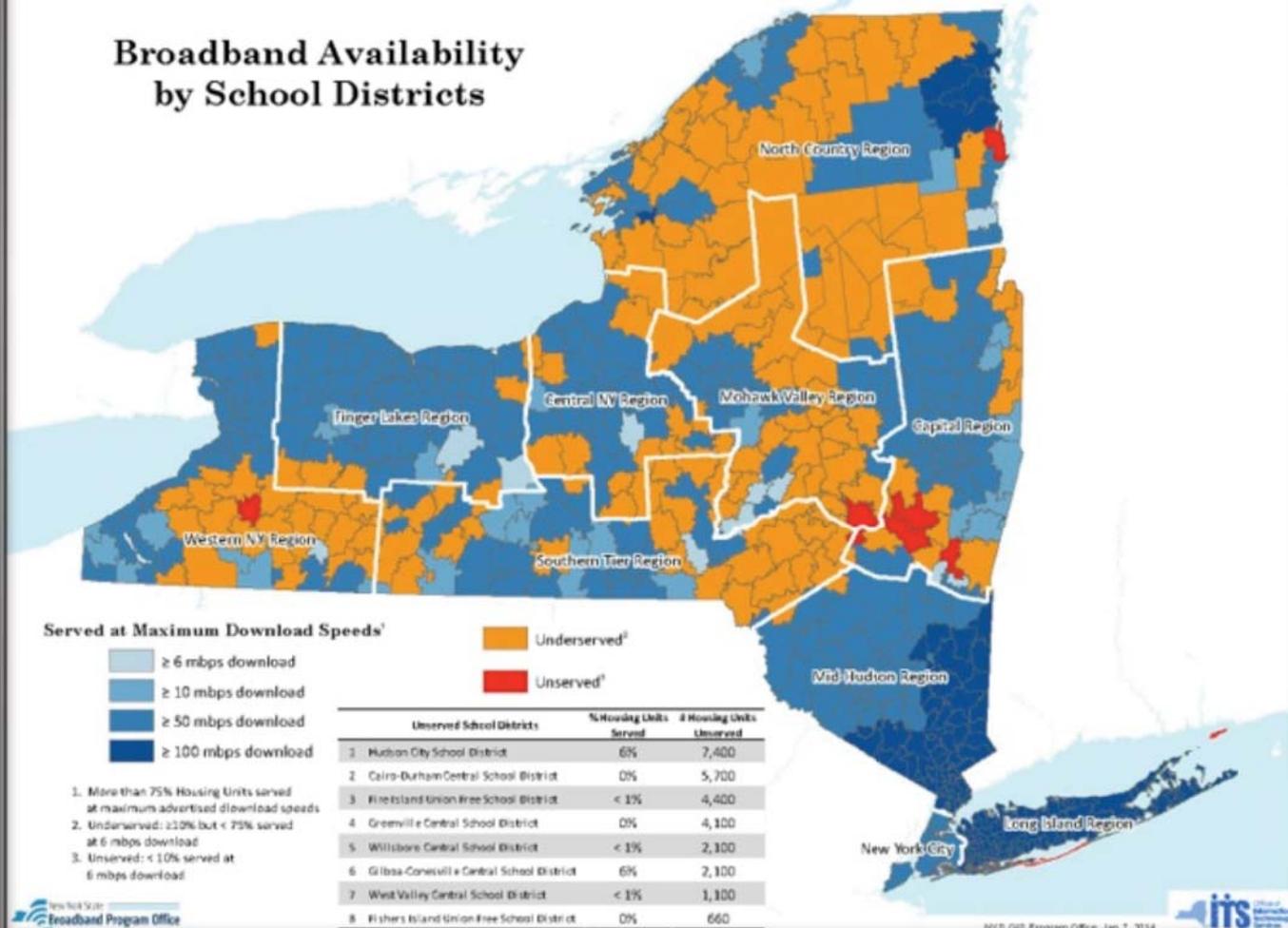
- 100
- 1,000
- 10,000

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

% Housing Units Served

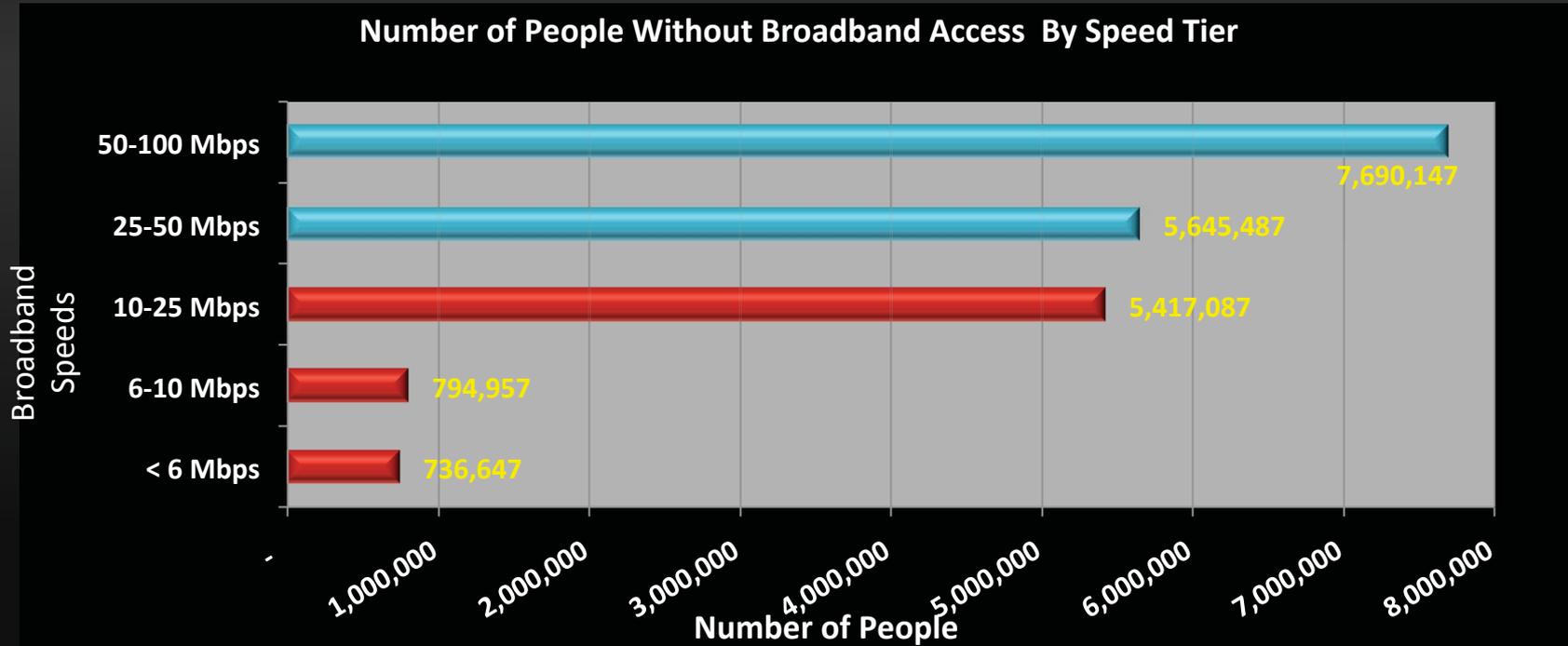
- < 25%
- 26 - 55%
- 56 - 75%
- 76 - 90%
- 91 - 100%

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





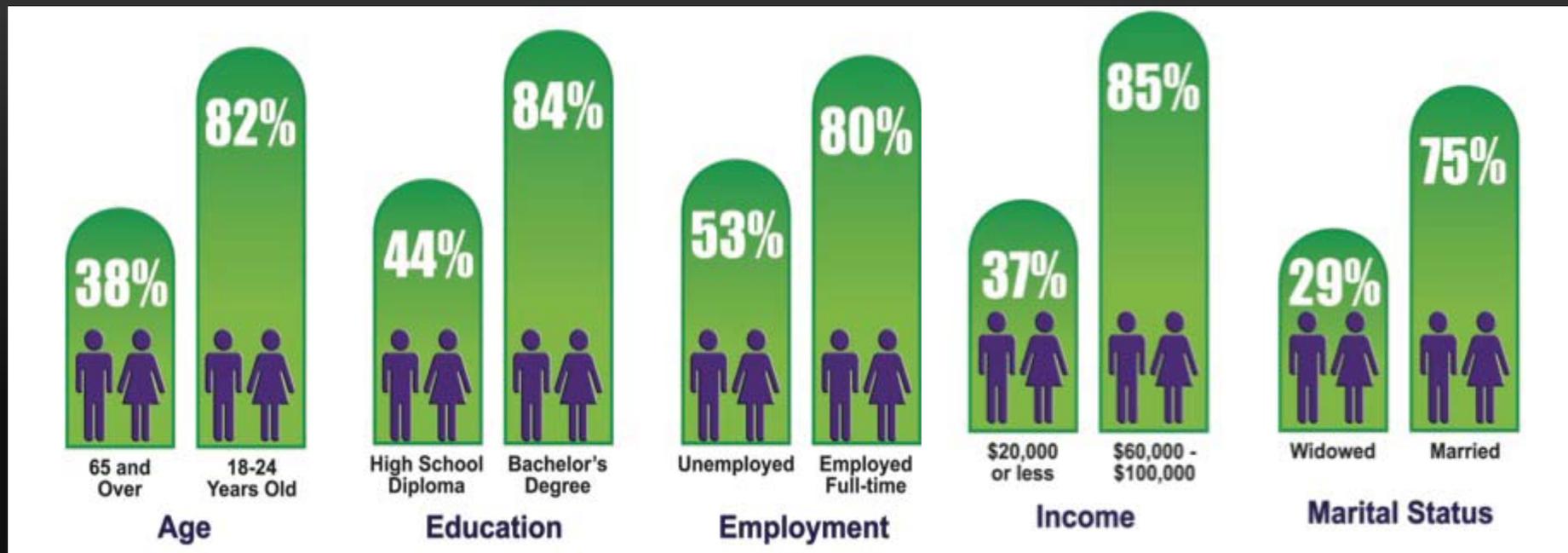
Breaking Down Barriers to Broadband Use in New York

New York State Broadband

by the numbers

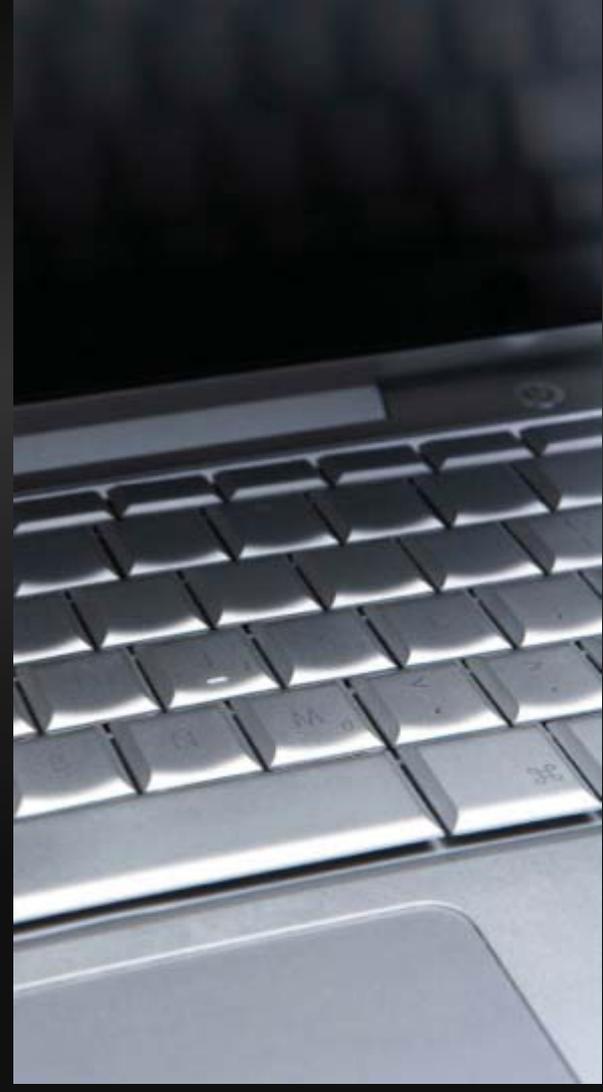


6.4M New Yorkers Do Not Use Broadband (30%)



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**



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 disparities in broadband adoption and identifying opportunities to address the challenges to broadband adoption**
- **Developing standards and recommendations to achieve increased use, and a timeframe in which to meet these goals**
- **Encouraging collaboration and obtaining commitments from broadband providers and adoption partners**
- **Leveraging educational opportunities to increase broadband use**
- **Developing reports as requested**



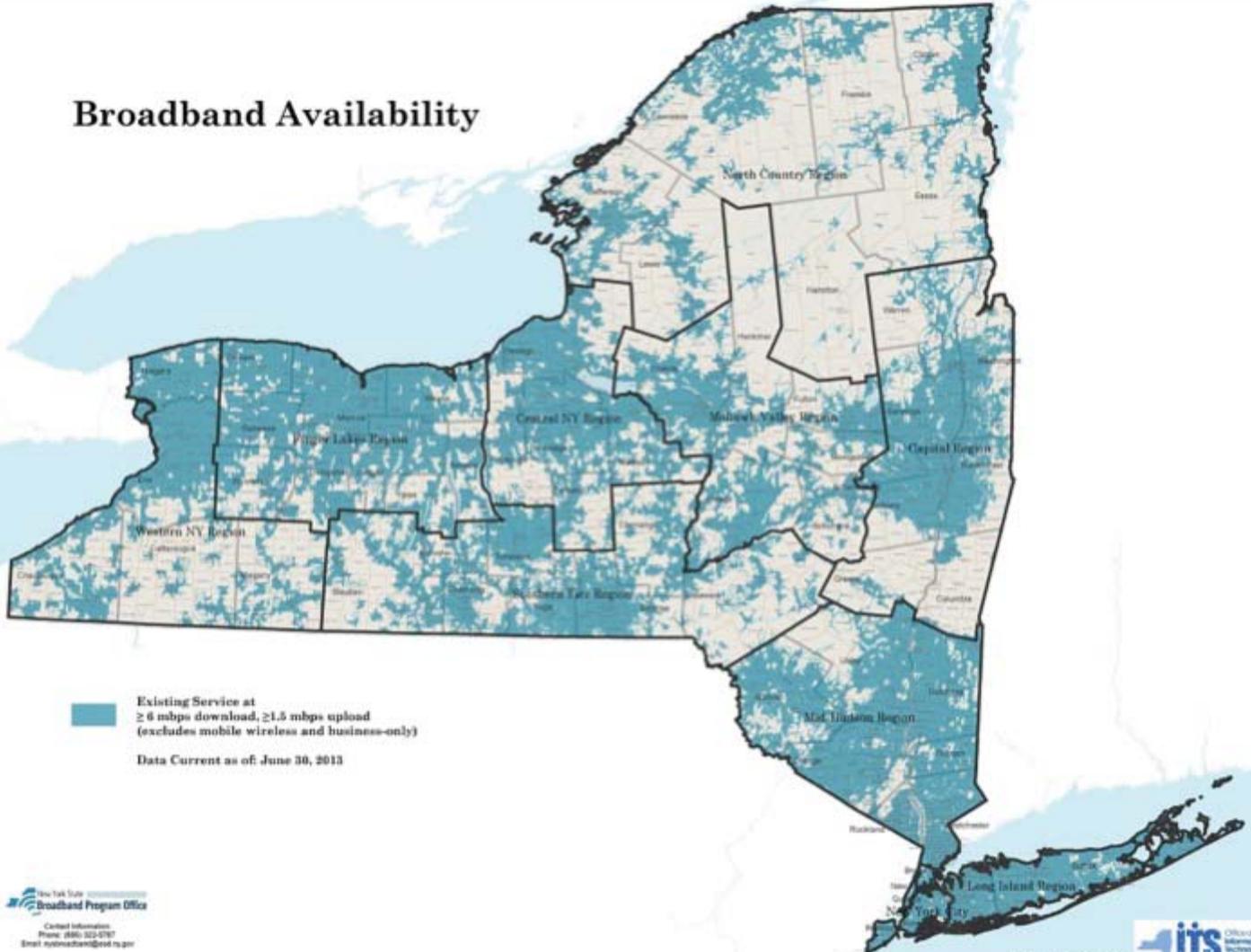
Economic Impact

(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

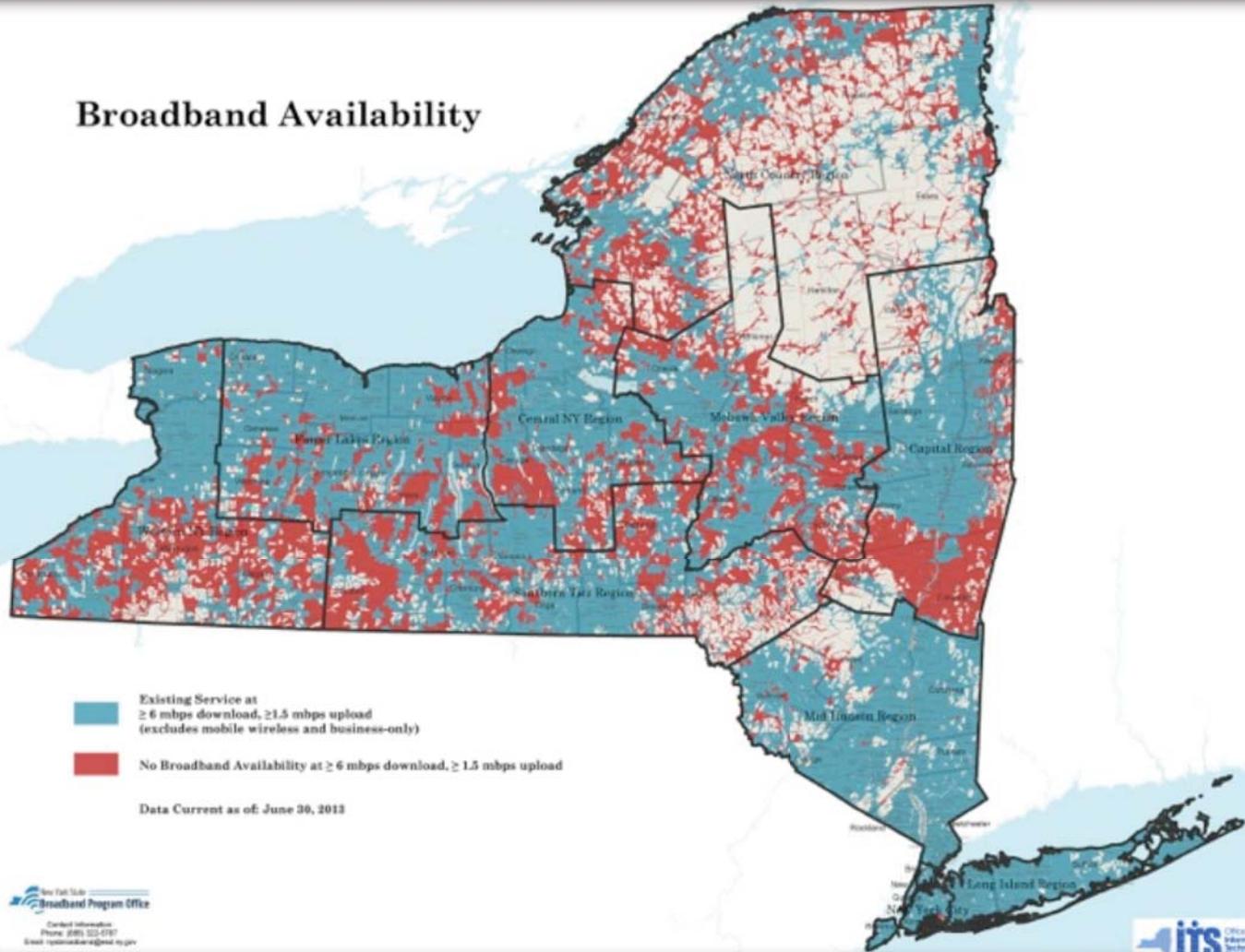


Broadband Availability



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

Broadband Availability

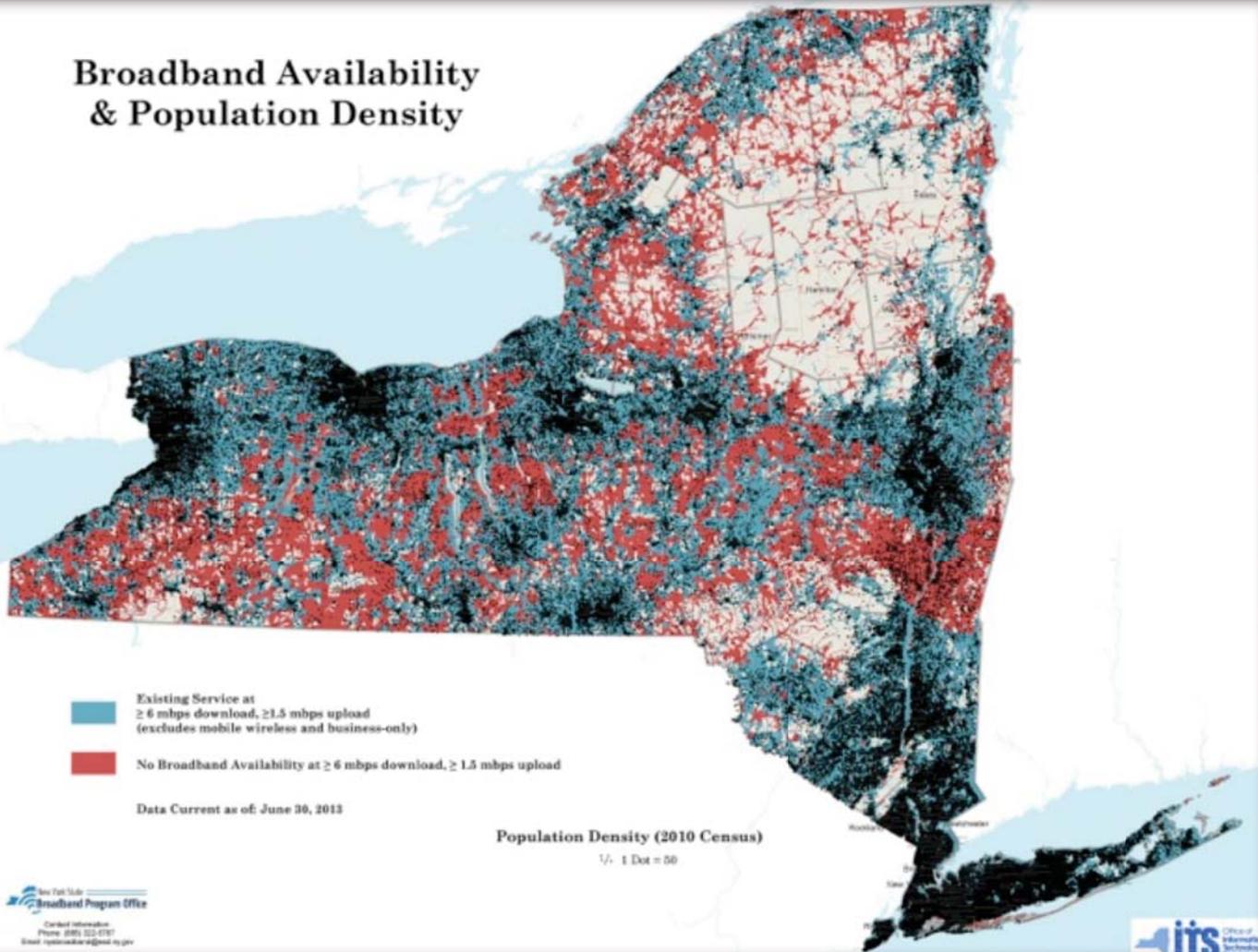


Existing Service at ≥ 6 mbps download, ≥ 1.5 mbps upload (excludes mobile wireless and business-only)

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

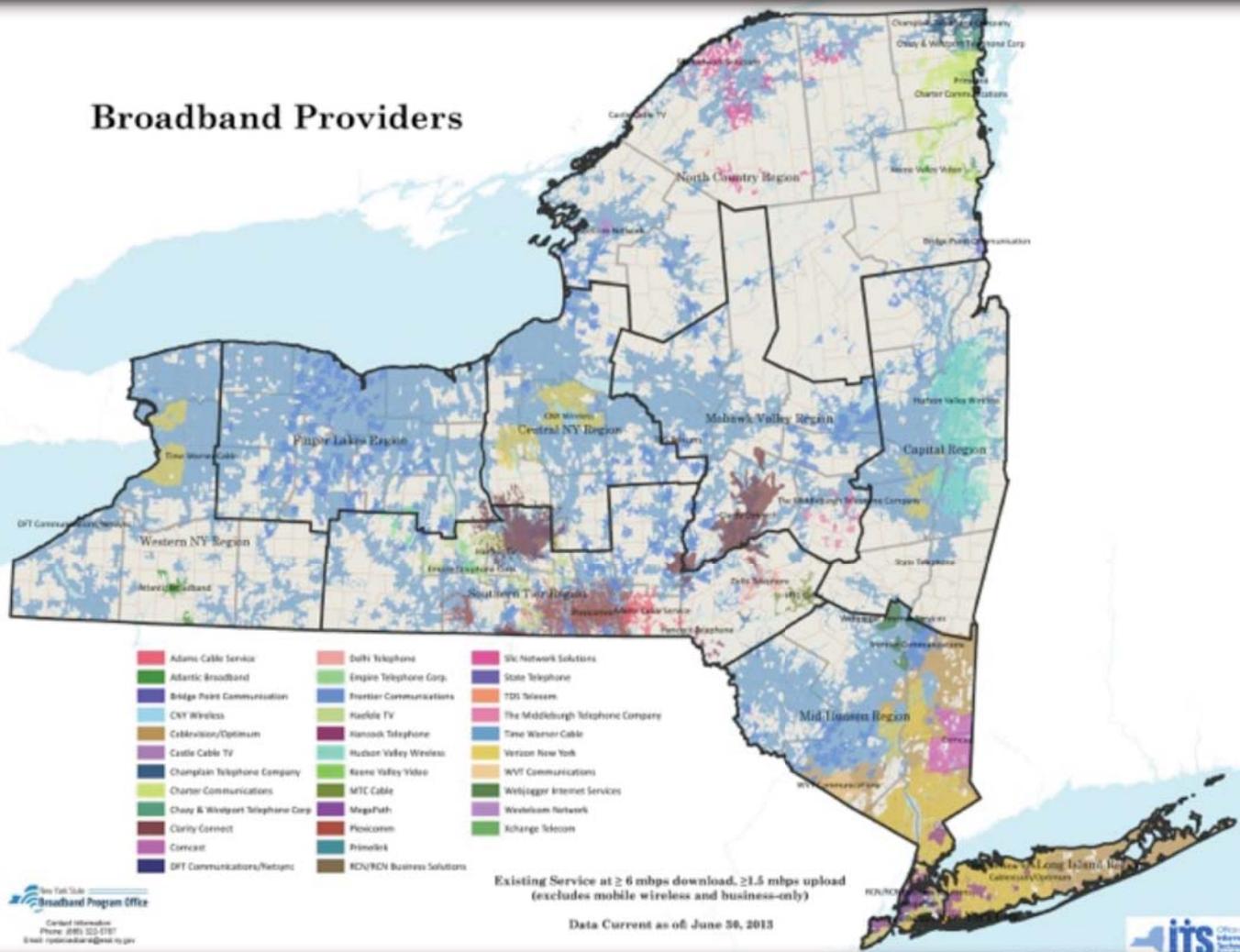
Data Current as of: June 30, 2013

Broadband Availability & Population Density



Data Current as of: June 30, 2013

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 | Hurricane 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 | Worldcom 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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