New NY Broadband Program

- In 2015, Governor Cuomo Launched the New NY Broadband Program
- Achieves Goals Through Public/Private Partnerships
- Funding Awarded in 3 Rounds Through Reverse Auction
- Round III Included Landmark Partnership with the FCC
- Including Additional Commitments, NYS has Secured a $1 Billion Public/Private Broadband Investment
- Largest State Broadband Investment in the Nation
Update on “Legacy Projects”

Slic Network Solutions has **Completed Construction & is Connecting Customers**

- Bellmont - Franklin County
- Long Lake - Hamilton County
- Lyon Mountain - Clinton County
- North Hudson & Schroon - Essex County

Hudson Valley Wireless has **Completed Construction & is Connecting Customers**

- Washington & Saratoga Counties
When the New NY Broadband Program was launched, 12% of Residents – Only 60,680 Homes – in the 12 Counties Comprising the Adirondack Park Region Had Access to Broadband.
Adirondack Park Region: Round I

- **Partnerships with Both Family-Owned & Nationally-Recognized Broadband Providers**
- **Build on Prior State Broadband Investments**

6 Projects

$7.5 Million State Funding

$2.7 Million Private Match Funding

$10.2 Million Public/Private Investment

5,514 Locations Connected

Additional Commitments Secured
Round I Awards & Additional State-Secured Upgrades Expanded Broadband Access to 88% of New Yorkers in the Adirondack Park Region

2016
Adirondack Park Region: Round II

- Robust Participation from Provider Community
- Addressed a Wider Universe of Locations
- Introduced Fixed Wireless Solutions for Remote Areas

16 Projects

$45.3 Million State Funding

$11.7 Million Private Match Funding

$57 Million Public/Private Investment

16,279 Locations Connected
Round II Awards Extended Coverage to 91% of New Yorkers in the Adirondack Park Region 2017
Adirondack Park Region: Round III

- Projects Leverage Federal, Private, & State Funds
- Connect America Fund (CAF) Eligible Territories Addressed
- Innovative Solutions Address Most Remote & Rural Areas

20 Projects

$97.5 Million State Funding

$72 Million Private & Federal Funding

$169.5 Million Public/Private Investment

47,460 Locations Connected
Round III Awards Accomplish the Program’s Mission & Achieve Coverage for 100% of New Yorkers in the Adirondack Park Region.
Adirondack Park Region: All Awards

42 Projects

$150.3 Million State Funding

$86.3 Million Private & Federal Funding

$236.6 Million Public/Private Investment

69,253 Locations Connected
# Adirondack Park Region: All Awards By County

<table>
<thead>
<tr>
<th>County</th>
<th>Total Units</th>
<th>State Grant</th>
<th>Private &amp; Federal Commitment</th>
<th>Total Investment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinton</td>
<td>12,809</td>
<td>$35,343,845</td>
<td>$12,777,321</td>
<td>$48,121,166</td>
</tr>
<tr>
<td>Essex</td>
<td>7,355</td>
<td>$9,886,652</td>
<td>$4,004,739</td>
<td>$13,891,391</td>
</tr>
<tr>
<td>Franklin</td>
<td>4,408</td>
<td>$5,494,880</td>
<td>$5,783,613</td>
<td>$11,278,493</td>
</tr>
<tr>
<td>Fulton</td>
<td>2,423</td>
<td>$5,437,209</td>
<td>$5,138,169</td>
<td>$10,575,378</td>
</tr>
<tr>
<td>Hamilton</td>
<td>7,326</td>
<td>$7,731,846</td>
<td>$2,044,828</td>
<td>$9,776,674</td>
</tr>
<tr>
<td>Herkimer</td>
<td>5,034</td>
<td>$14,451,402</td>
<td>$11,515,499</td>
<td>$25,966,901</td>
</tr>
<tr>
<td>Lewis</td>
<td>4,718</td>
<td>$6,078,383</td>
<td>$2,375,818</td>
<td>$8,454,201</td>
</tr>
<tr>
<td>Oneida</td>
<td>3,513</td>
<td>$8,360,671</td>
<td>$8,021,917</td>
<td>$16,382,588</td>
</tr>
<tr>
<td>Saratoga</td>
<td>1,561</td>
<td>$806,906</td>
<td>$280,113</td>
<td>$1,087,019</td>
</tr>
<tr>
<td>St. Lawrence</td>
<td>9,029</td>
<td>$28,032,507</td>
<td>$15,943,011</td>
<td>$43,975,518</td>
</tr>
<tr>
<td>Warren</td>
<td>3,719</td>
<td>$8,421,104</td>
<td>$2,215,719</td>
<td>$10,636,823</td>
</tr>
<tr>
<td>Washington</td>
<td>7,358</td>
<td>$20,243,553</td>
<td>$16,221,811</td>
<td>$36,465,364</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>69,253</strong></td>
<td><strong>$150,288,958</strong></td>
<td><strong>$86,322,558</strong></td>
<td><strong>$236,611,516</strong></td>
</tr>
</tbody>
</table>
## Adirondack Park Region: All Awards

- **If the 12 APA Counties Composed an REDC Region, it Would Have Seen $236.6 Million In Total Investment, the Largest Investment by Far**

<table>
<thead>
<tr>
<th>REDC</th>
<th>Total Units</th>
<th>State Grant</th>
<th>Private &amp; Federal Commitment</th>
<th>Total Investment</th>
</tr>
</thead>
<tbody>
<tr>
<td>North Country</td>
<td>50,257</td>
<td>$103,686,481</td>
<td>$49,518,780</td>
<td>$153,205,261</td>
</tr>
<tr>
<td>Capital Region</td>
<td>61,023</td>
<td>$95,587,624</td>
<td>$40,444,065</td>
<td>$136,031,689</td>
</tr>
<tr>
<td>Southern Tier</td>
<td>49,022</td>
<td>$91,915,594</td>
<td>$39,108,743</td>
<td>$131,024,337</td>
</tr>
<tr>
<td>Western NY</td>
<td>37,343</td>
<td>$80,836,771</td>
<td>$36,977,268</td>
<td>$117,814,039</td>
</tr>
<tr>
<td>Mohawk Valley</td>
<td>22,596</td>
<td>$60,230,872</td>
<td>$44,129,995</td>
<td>$104,360,867</td>
</tr>
<tr>
<td>Central NY</td>
<td>15,214</td>
<td>$42,460,168</td>
<td>$20,703,931</td>
<td>$63,164,099</td>
</tr>
<tr>
<td>Finger Lakes</td>
<td>12,134</td>
<td>$9,952,727</td>
<td>$4,017,248</td>
<td>$13,969,975</td>
</tr>
<tr>
<td>Mid-Hudson</td>
<td>6,527</td>
<td>$5,910,542</td>
<td>$2,843,064</td>
<td>$8,753,606</td>
</tr>
<tr>
<td>Long Island</td>
<td>346</td>
<td>$867,281</td>
<td>$216,821</td>
<td>$1,084,102</td>
</tr>
<tr>
<td><strong>All Awards</strong></td>
<td><strong>254,462</strong></td>
<td><strong>$491,448,060</strong></td>
<td><strong>$237,959,915</strong></td>
<td><strong>$729,407,975</strong></td>
</tr>
</tbody>
</table>
Construction Update

Chazy & Westport Telephone Corp. is Connecting Customers in Clinton & Essex Counties

Citizens of Hammond Telephone Co. is Connecting Customers in St. Lawrence County

Newport Telephone Co. Has Deployed Approx. 165 Miles of Fiber in Herkimer County

Frontier Communications is Completing Round I Construction in Fulton, Hamilton & Warren Counties
• Round III is Supporting 20 Individual Broadband Expansion Projects in the 12 Counties Comprising the Adirondack Park Region

• Verizon Communications to Deploy Fiber in 8 of 12 Counties in the Region

• Round III Awards Address All Remaining Unserved & Underserved Areas in the Adirondack Park Region
Round III Integrates Up to $170 Million Through the Federal Connect America Fund to Support Broadband Build-Outs in CAF-Eligible Census Blocks

A National Carrier Declined $170 Million from the Connect America Fund (CAF) to Expand Broadband in New York State

The FCC Awarded this CAF Funding to New York State in January, 2017, as the Result of Successful Advocacy by NYS Officials

FCC Required a Technology-Neutral Auction

14,571 CAF Locations Addressed in the Adirondack Park Region
Satellite Proposal

• Less than 1% of Locations Statewide Awarded to Hughes Network Systems, LLC

• Satellite-Based Service at Guaranteed Download Speeds of 25 Mbps, Monthly Rate Not to Exceed $60, Installation Fee Not to Exceed $49

• FCC Determined that Providing Service Beyond 98% is not Economically Feasible; Cost Estimated at $40 Billion Nationwide

• Broadband Cost Modeling Expert CostQuest Estimated $500+ Million Needed to Address the 75,638 Locations Awarded to Hughes with a Wireline Solution

• Utilizing Public Funds, Providing Vast Majority of NYS with 100 Mbps, & Remainder with State-of-the-Art Satellite was an Achievable Solution
Additional Commitments

In 2016, the NYS Public Service Commission Approved a Merger of *Time Warner Cable & Charter Communications* with the Following Conditions:

- Expand Service to 145,000 Unserved Premises in New York State
  - By May 2020
- Increase Speeds for Over 2 Million Customers
  - 100 Mbps by 2018
  - 300 Mbps by 2019
- Launch Statewide Low-Income Broadband Program
  - Spectrum Assist
  - 30 Mbps
  - $14.99 Per-Month
Residential Broadband Availability Map

Identify Available Broadband Providers & Applicable BPO Awards for Any Residential Address in New York State
## Residential Broadband Availability Map

### New York State Residential Broadband Availability

- **Download Speeds**
  - **100 Mbps and Above**
  - **Cable**
  - **DSL**
  - **Fiber**
  - **Fixed Wireless**
  - **BPO Awards**

### Identify the Technologies & Speeds Available From Existing Providers & BPO Awardees

<table>
<thead>
<tr>
<th>Awardee</th>
<th>Download Speed (Mbps)</th>
<th>Technology</th>
<th>Awardee Website</th>
<th>About BPO Awards</th>
</tr>
</thead>
</table>
Visit the BPO Website to See Round III Funding Allocations for Every Upstate County, Town, City & Village

- Select a County from the Drop-Down Menu to Display Results
- Values Are Rounded to the Whole Dollar
Download Lists of Census Blocks Awarded in Round III & Across the Program

**Awarded Census Blocks**

Download a list of Census Blocks awarded in Phase 3
Download a list of Census Blocks awarded in Phases 1, 2, and 3

**All Round III Awards**

Sort Awards According to Largest State or Total Investment, Most Locations Addressed, or Greatest Private & Federal Commitment

### Phase 3 Awardees

<table>
<thead>
<tr>
<th>Awardee</th>
<th>REDC Region</th>
<th>Total Units</th>
<th>State Grant</th>
<th>Private &amp; Federal Commitment</th>
<th>Total Investment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Verizon Communications</td>
<td>Capital Region, Central NY, Mohawk Valley, North Country, Southern Tier</td>
<td>18,314</td>
<td>$81,270,370</td>
<td>$63,423,180</td>
<td>$48,693,550</td>
</tr>
<tr>
<td>Armstrong Telecommunications, Inc.</td>
<td>Finger Lakes, Southern Tier, Western NY</td>
<td>9,454</td>
<td>$30,353,892</td>
<td>$23,819,059</td>
<td>$54,173,551</td>
</tr>
<tr>
<td>Stic Network Solutions</td>
<td>Capital Region, North Country</td>
<td>6,775</td>
<td>$26,002,479</td>
<td>$21,099,399</td>
<td>$47,101,878</td>
</tr>
<tr>
<td>Hughes Network Systems, LLC</td>
<td>Capital Region, Central NY, Finger Lakes, Mid-Hudson, Mohawk Valley, North Country, Southern Tier, Western NY</td>
<td>75,638</td>
<td>$15,420,209</td>
<td>$13,637,331</td>
<td>$29,053,560</td>
</tr>
<tr>
<td>Clarity Fiber Solutions</td>
<td>Central NY, Southern Tier</td>
<td>3,311</td>
<td>$10,634,074</td>
<td>$3,408,671</td>
<td>$17,043,345</td>
</tr>
<tr>
<td>DTC Cable Inc.</td>
<td>Mohawk Valley, Southern Tier</td>
<td>1,383</td>
<td>$9,190,530</td>
<td>$5,091,088</td>
<td>$14,281,618</td>
</tr>
<tr>
<td>Otsego Electric Cooperative</td>
<td>Mohawk Valley</td>
<td>1,406</td>
<td>$5,739,316</td>
<td>$6,501,065</td>
<td>$12,240,381</td>
</tr>
<tr>
<td>Frontier Communications</td>
<td>Finger Lakes, North Country, Southern Tier</td>
<td>2,735</td>
<td>$9,722,173</td>
<td>$2,430,546</td>
<td>$12,152,719</td>
</tr>
<tr>
<td>MTC Cable</td>
<td>Capital Region, Mid-Hudson, Mohawk Valley, Southern Tier</td>
<td>1,659</td>
<td>$4,877,133</td>
<td>$6,267,183</td>
<td>$11,244,316</td>
</tr>
<tr>
<td>Mohawk Networks, LLC</td>
<td>North Country</td>
<td>1,286</td>
<td>$5,407,790</td>
<td>$5,768,137</td>
<td>$10,905,927</td>
</tr>
<tr>
<td>Mid Hudson Dts Corp.</td>
<td>Capital Region</td>
<td>2,436</td>
<td>$4,474,125</td>
<td>$1,930,751</td>
<td>$6,404,876</td>
</tr>
<tr>
<td>Hoehle TV Inc.</td>
<td>Central NY, Southern Tier</td>
<td>1,303</td>
<td>$2,927,538</td>
<td>$2,223,074</td>
<td>$5,150,612</td>
</tr>
</tbody>
</table>
Adirondack Park Region Progress to Date

- 2015 | 12%
- 2016 | 88%
- 2017 | 91%
- 2018 | 100%

**100 Mbps & BPO Sponsored Projects**

**Projects – Round I, II, III**

Includes Additional Commitments
Achieving Broadband for All