

# **Southern Tier Network**

## **Communications Infrastructure Update**

4/6/2024



## Topics Covered Today

1. Who we are, how we benefit the region, services we offer, and our operational model.
2. Walk through the evolution of our organization and our fiber network.
3. Discuss STN's current projects and partnerships.



## Who and What is STN?

1. Not-For-Profit, Local Development Authority, Charitable Organization, Affiliated with Local Governments established in 2011
2. Own and Operate a Middle Mile Open Access Fiber Optic network across 8 Counties in the Southern Tier region of NYS
3. Lease fibers on our network to Public Safety, Colleges, K-12 Education, County Government, Medical Facilities, Library Systems, and Service Providers



## Benefits to the region

1. Enables a competitive landscape for Internet Services
2. Enhances E911 Services across the region
3. Provides private network capabilities for municipalities and school districts (BOCES RICs) to utilize
4. Enables Broadband Service Providers to provide their services to residents and businesses faster and at a lower cost to more areas

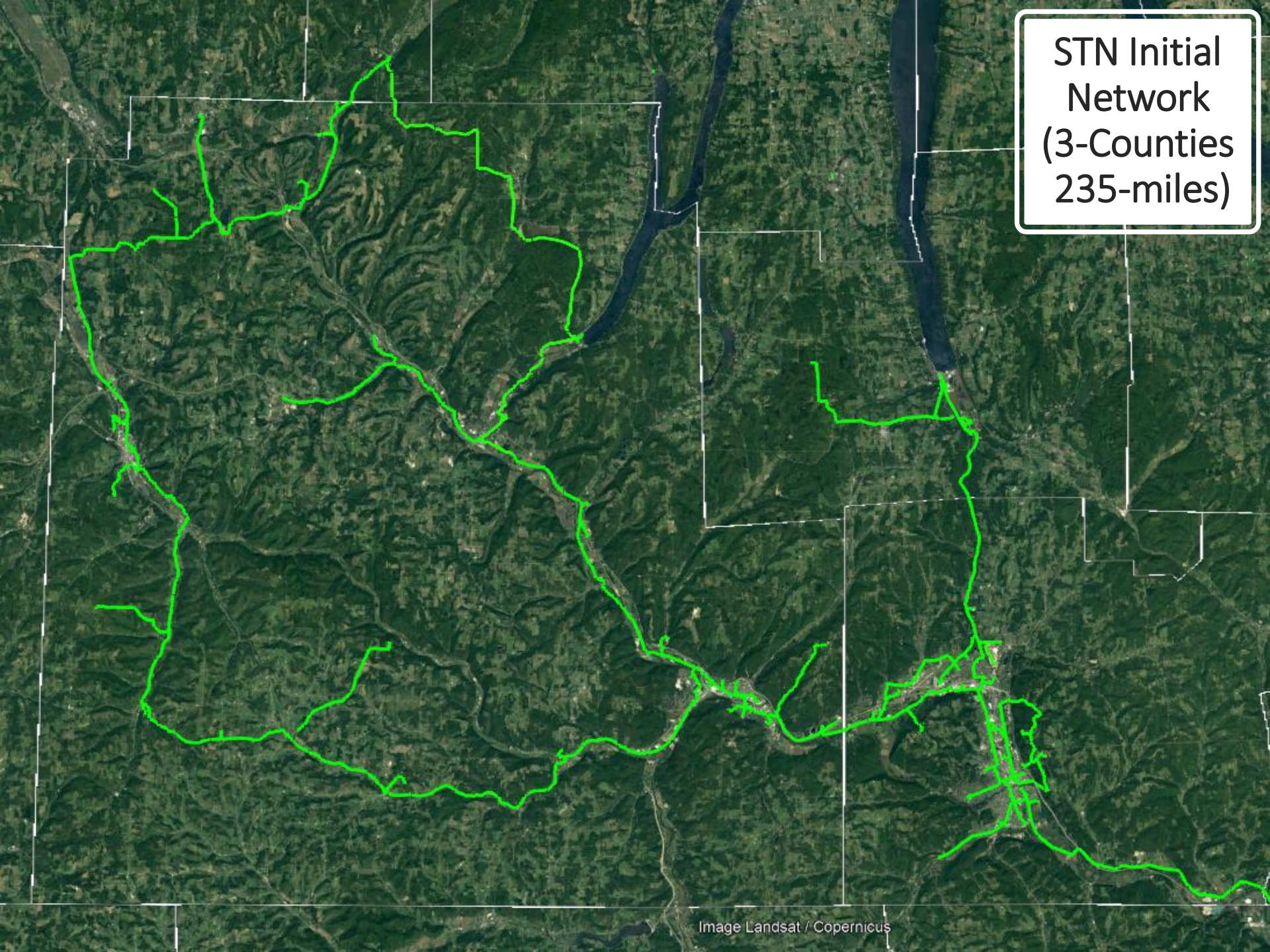


## Services STN Offers & our Operational Model

1. Currently offer Dark Fiber and Open Access FTTH Services
2. How we generate revenue to cover OPEX?
3. What is an “Open Access” model and how does it work?
4. STN Staffing and Contractors

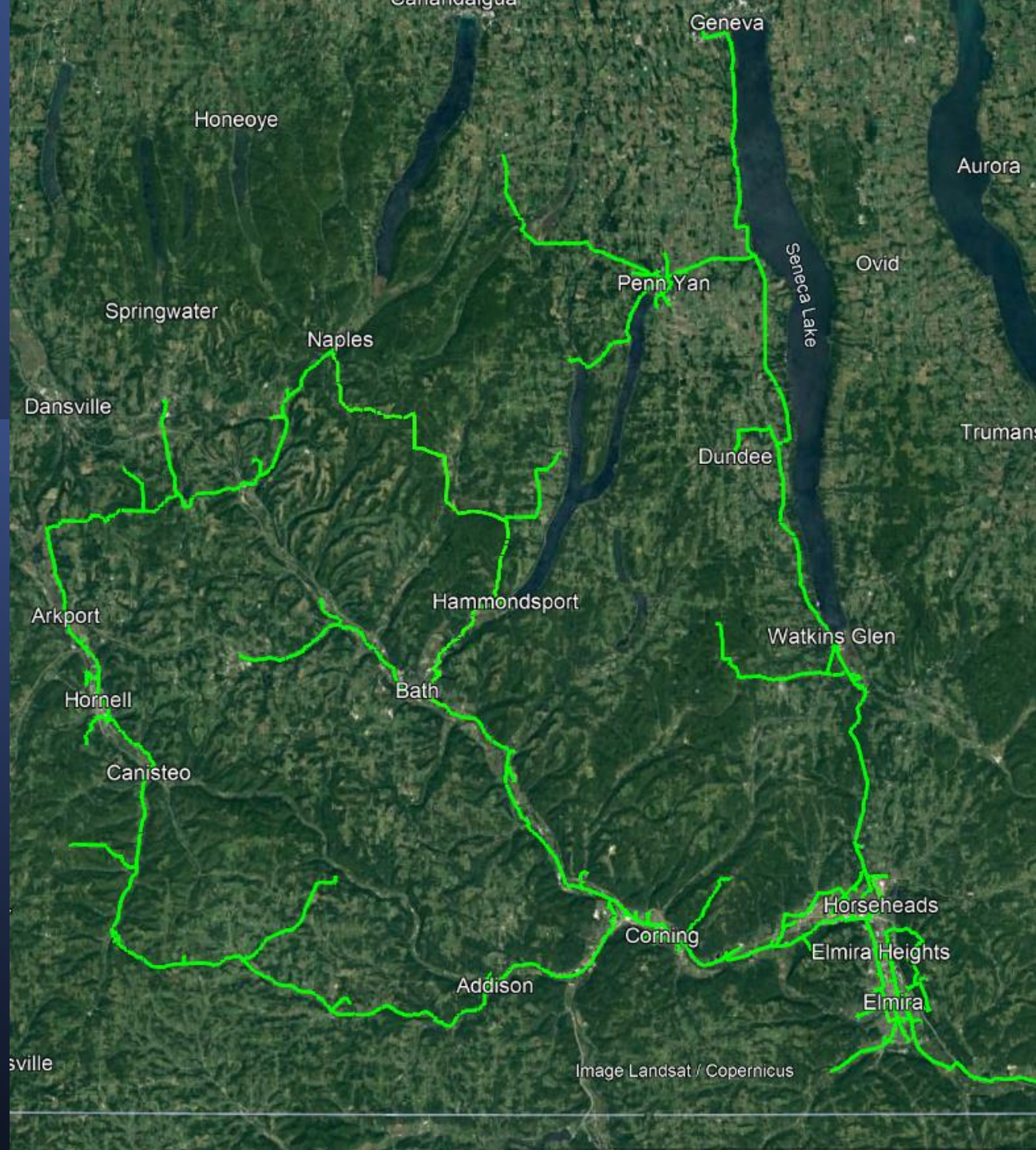


STN Initial  
Network  
(3-Counties  
235-miles)

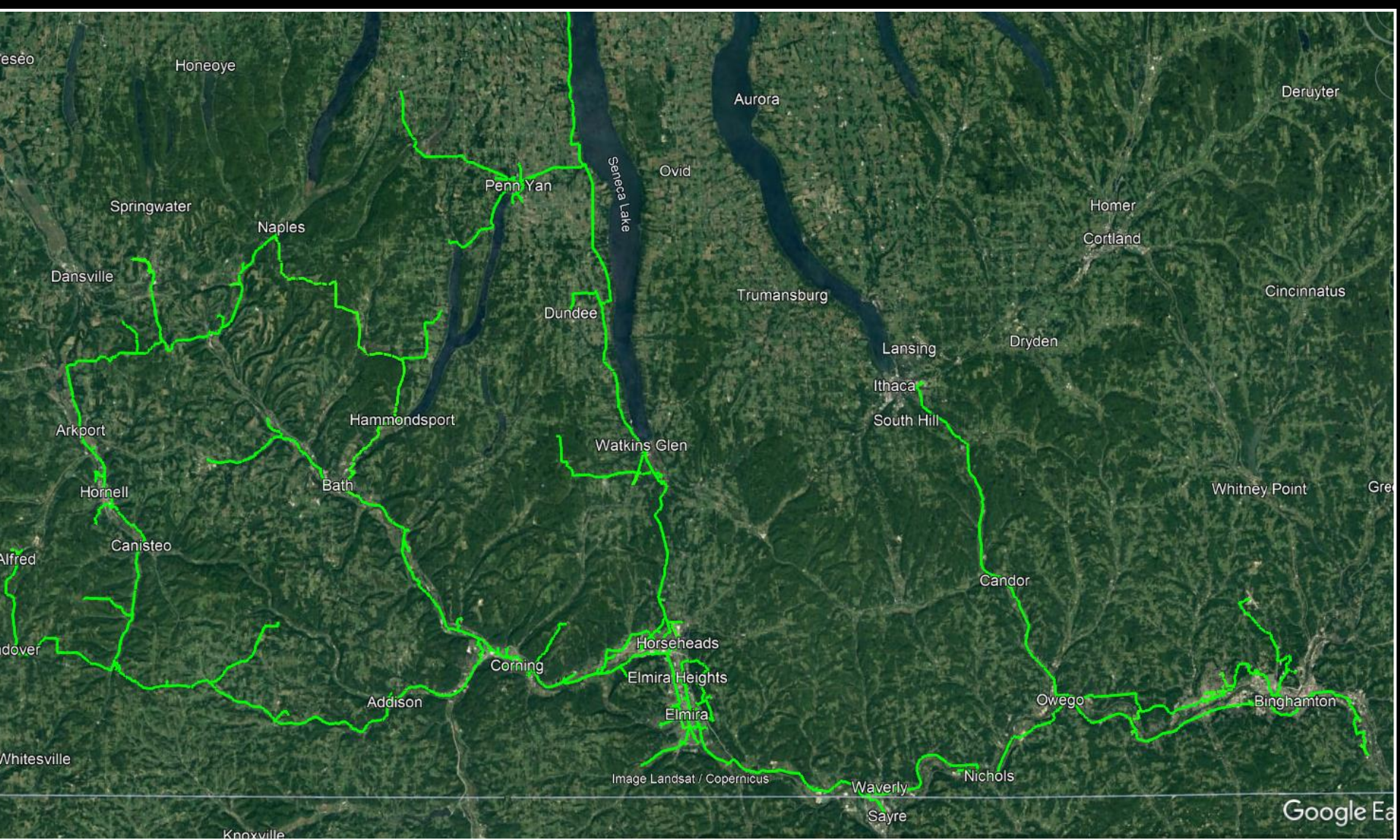




STN Yates  
County  
Partnership  
(80-miles)

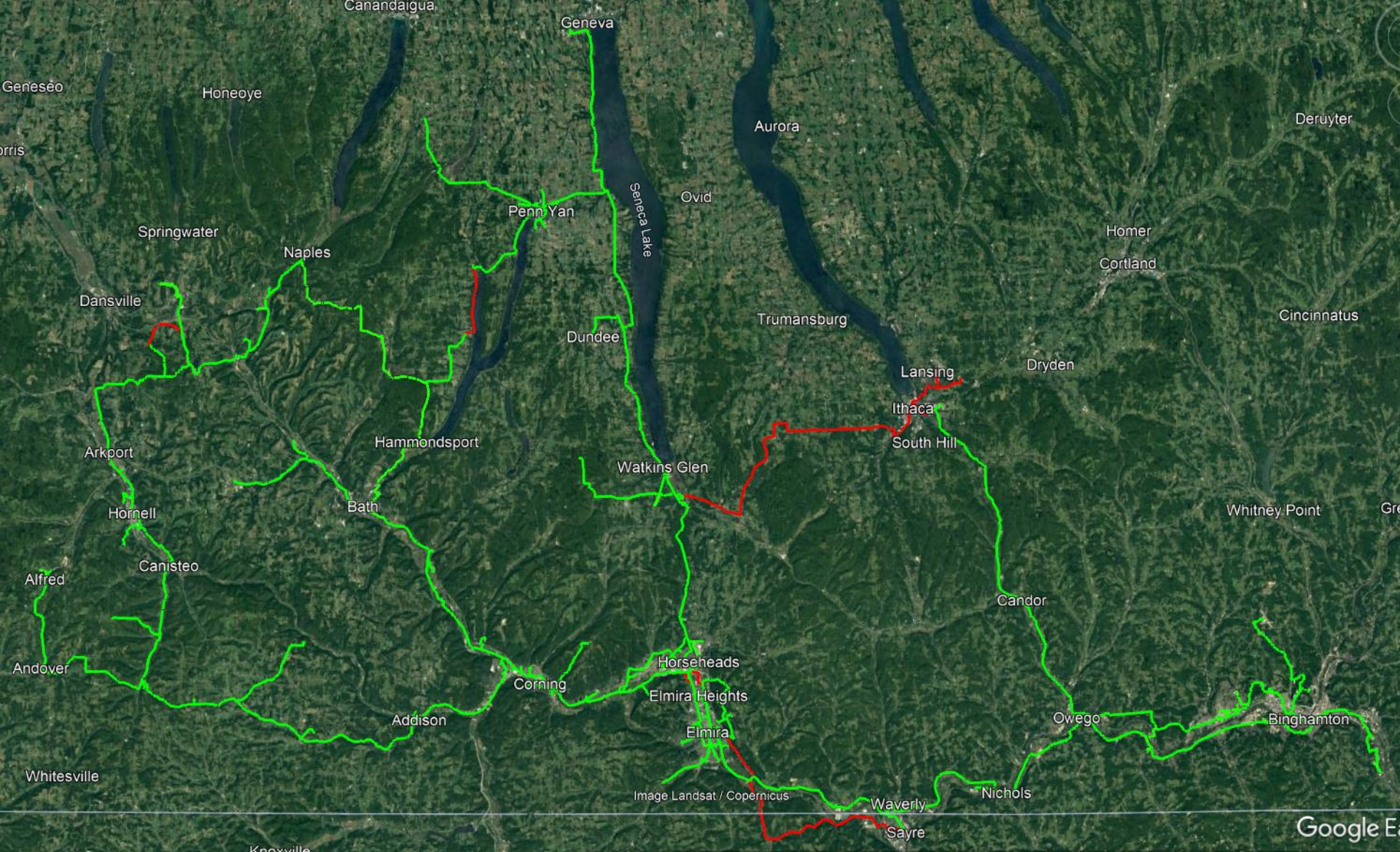






**STN Backbone with STN Expansion Routes (150-miles)**





STN Backbone with Diversity Project Routes (Red Lines; 90-miles)





## Current Partnerships & Projects

### ConnectAll/NYPA Nichols, NY FTTH

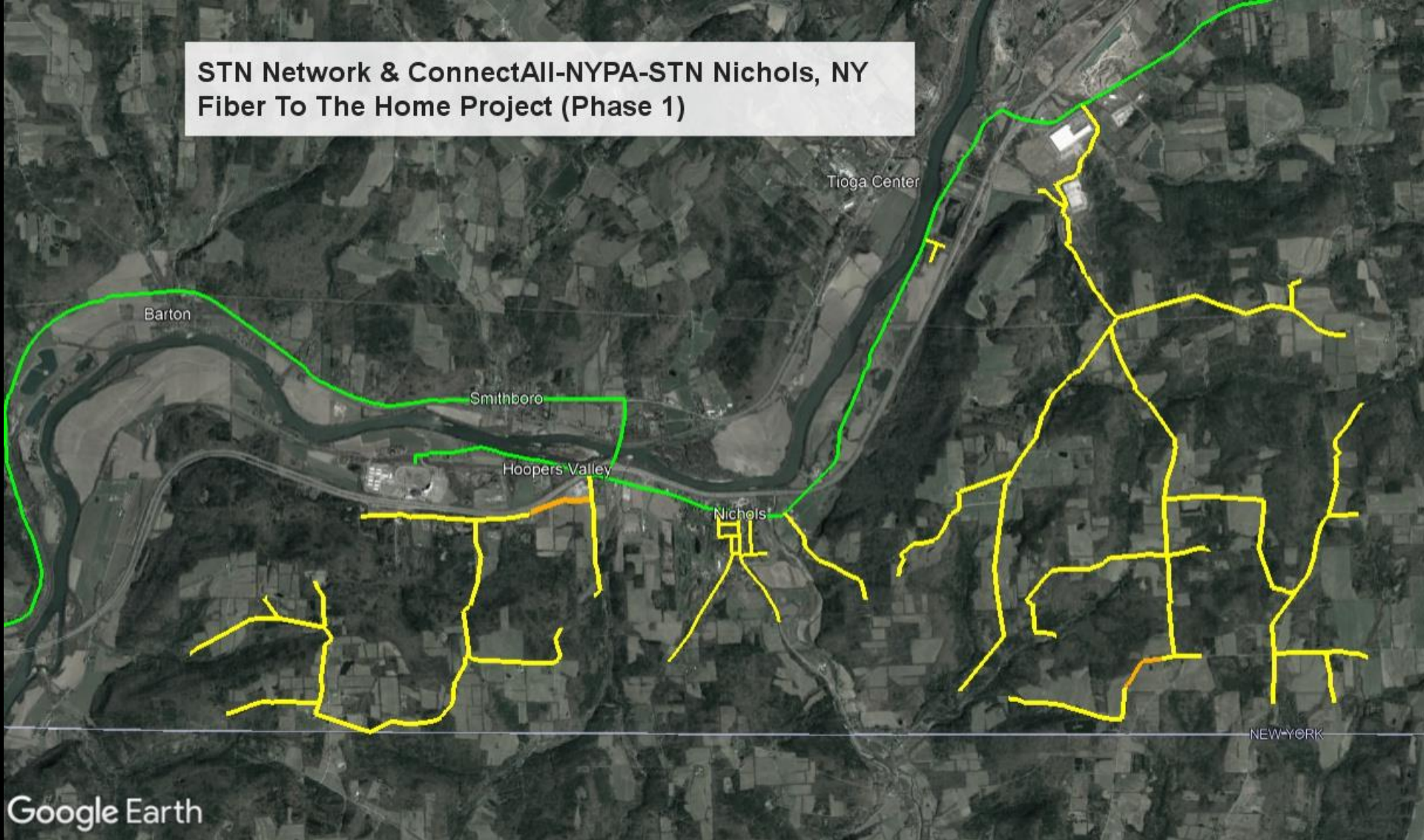
- Open-access FTTH network serving ~850 homes and businesses in Nichols that is now fully completed and operational.

### ConnectAll Municipal Infrastructure Program

- ConnectAll Grant submitted recently for approximately 240 miles of new middle mile and last mile FTTH network covering multiple Counties



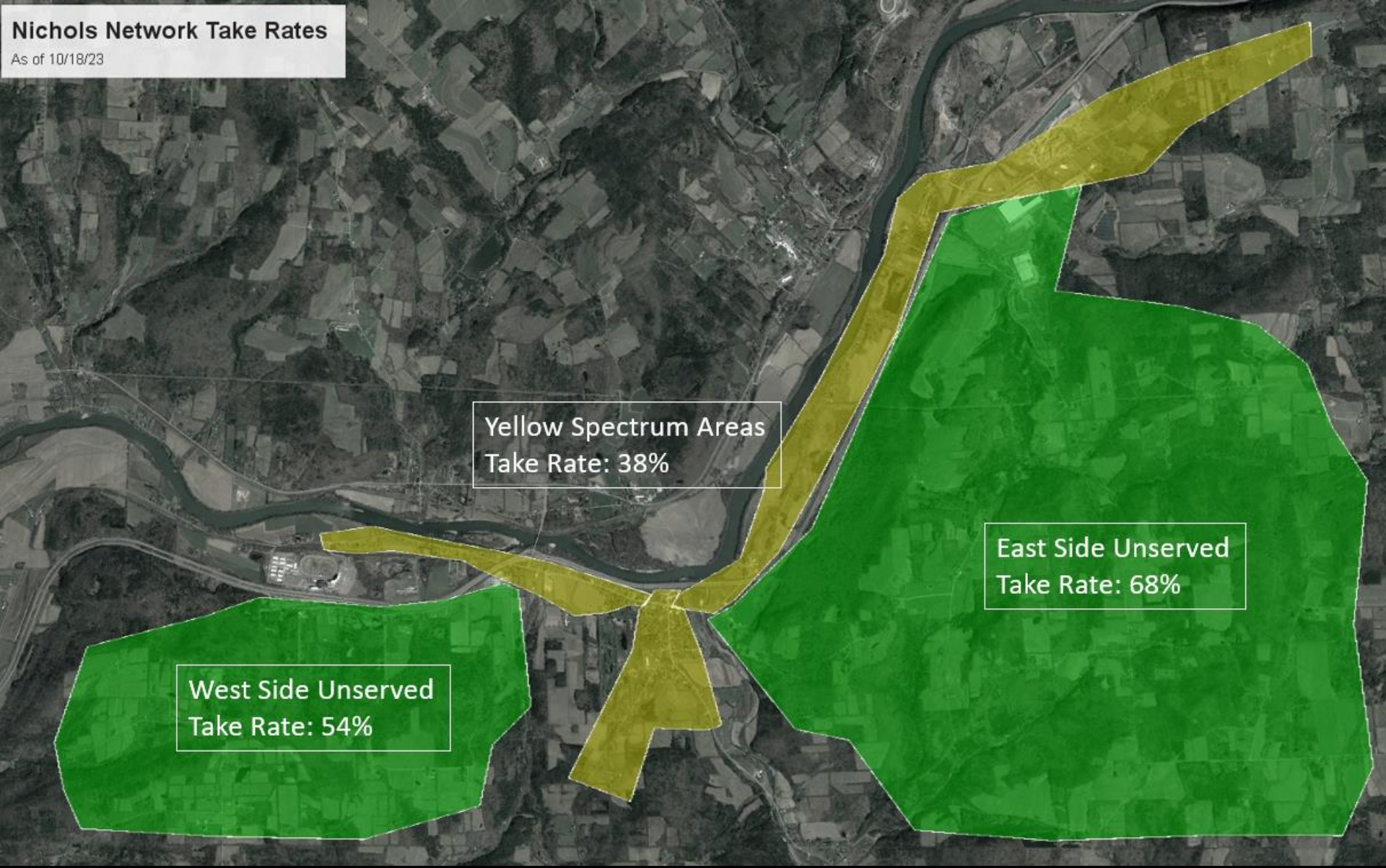
**STN Network & ConnectAll-NYPA-STN Nichols, NY  
Fiber To The Home Project (Phase 1)**



Google Earth

**STN Open Access FTTH ConnectAll-NYPA Pilot in Nichols, NY  
35-miles of new fiber network servicing 850 residential locations  
Approximately 100 Unserved, 300 Underserved,  
450 Served with only 1 provider option**



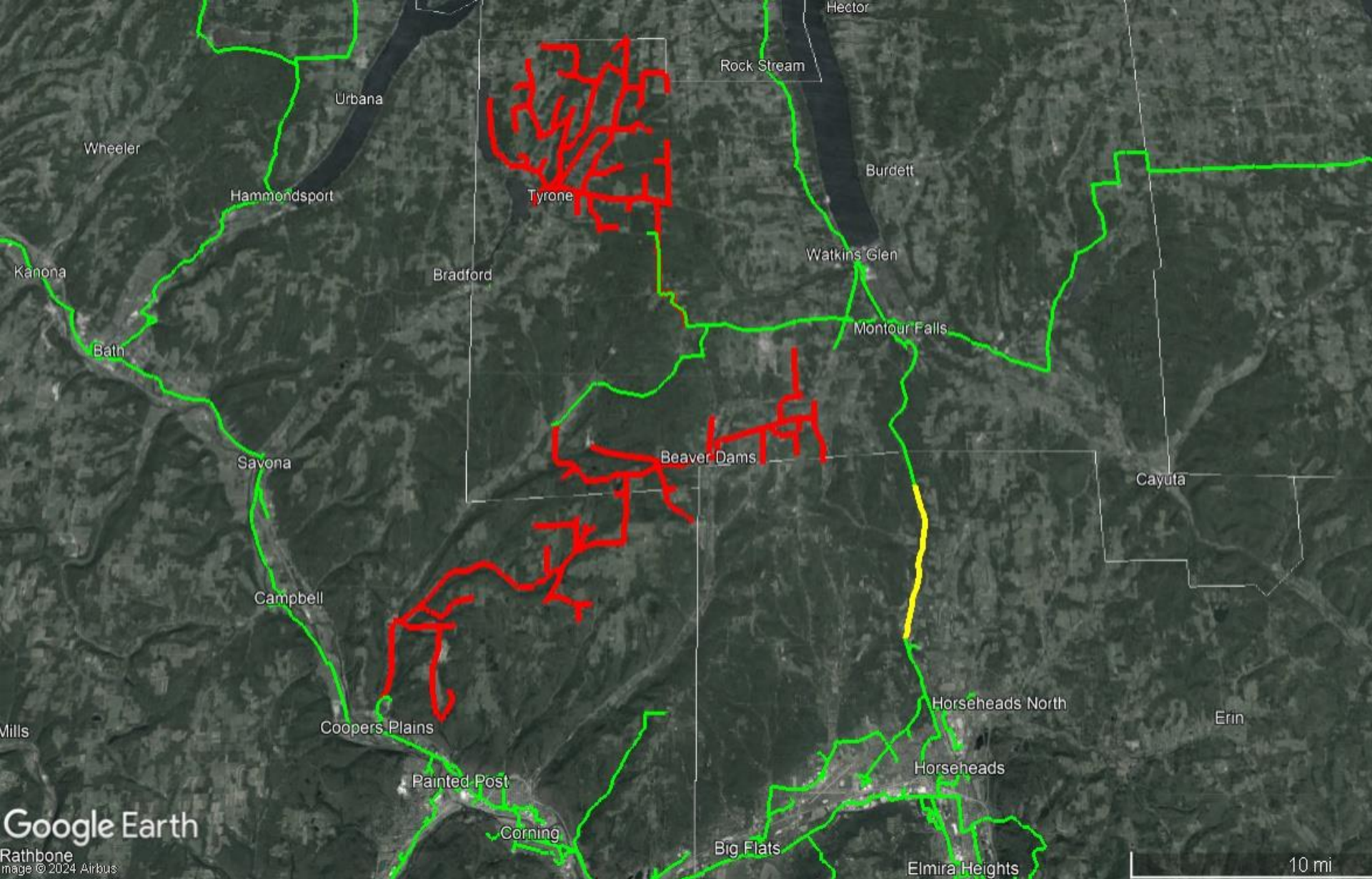


**STN Open Access FTTH ConnectAll-NYPA Pilot in Nichols, NY  
Take Rates as of 10/18/23**



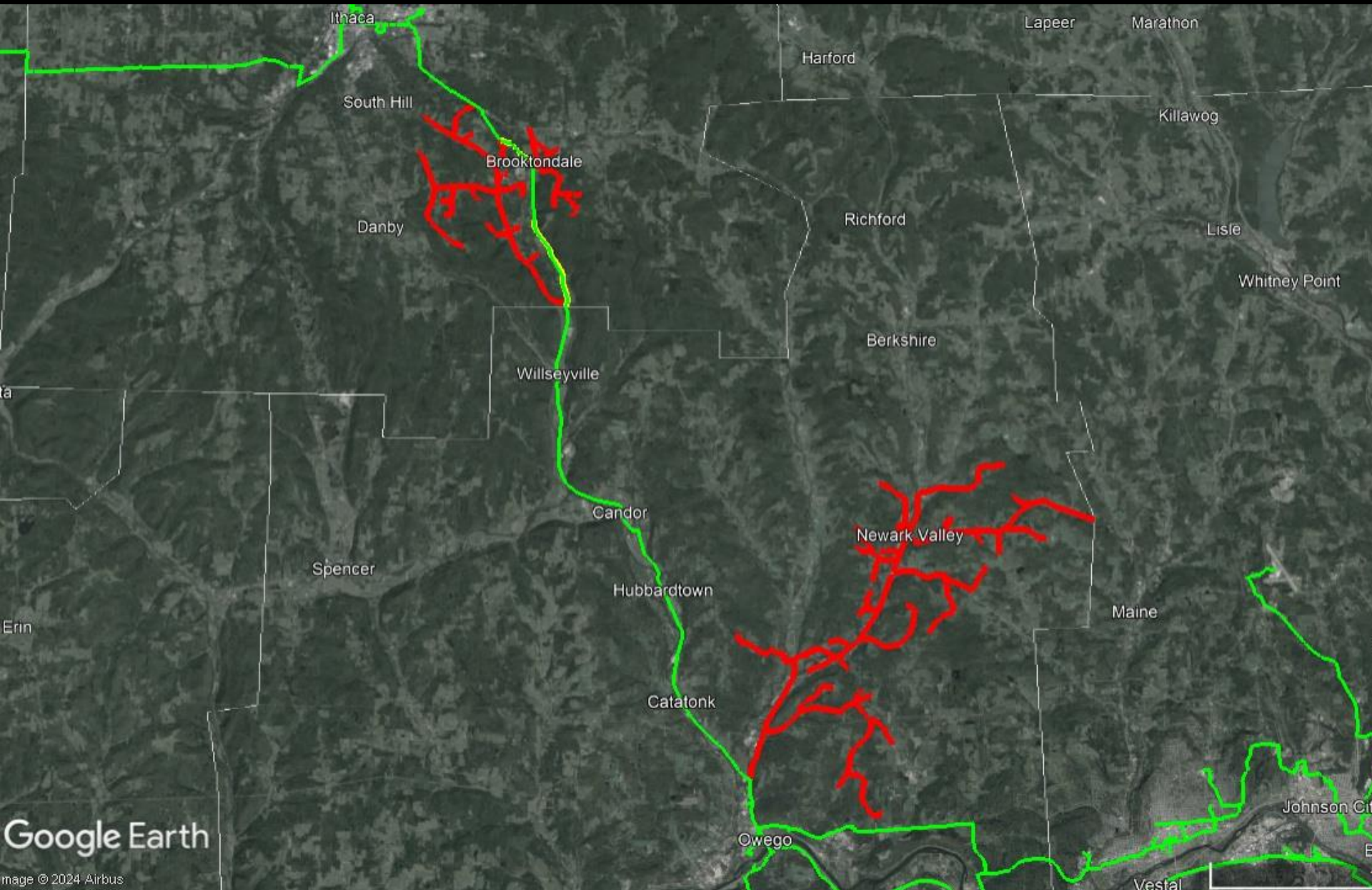
Nichols, NY  
FTTH NYPA  
Video Clip  
-> Scan QR  
Code for link  
to full video





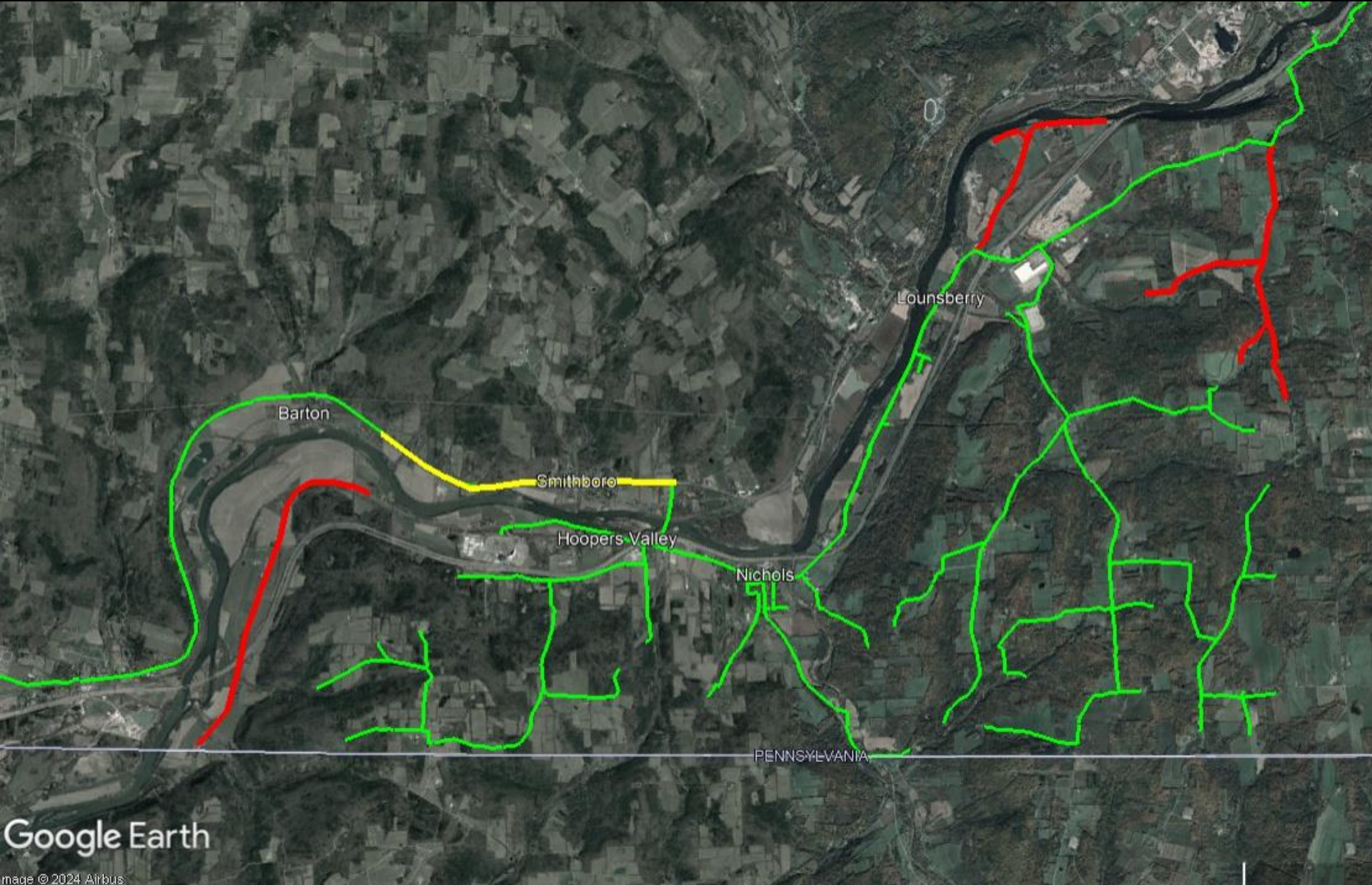
**STN ConnectAll MIP FTTH Network – Schuyler, Steuben, Chemung County areas**





**STN ConnectAll MIP FTTH Network – Tompkins and Tioga County areas**





**STN ConnectAll MIP FTTH Network – Nichols Expansion and nearby areas**





Questions?

Jeff Gasper LinkedIn: <https://www.linkedin.com/in/jeffgasper/>

