

June 3, 2015

To: Peter Flynn

From: Cathy Strausbaugh

Re: Attached Proposal

Mr. Alexander Tambascia came into the town hall June 3, 2015 and asked that I give this proposal to you and the selectmen for consideration to be presented at the next Selectman's meeting. He asked that he be notified that you have received his proposal and asked that he be put on the agenda.

To notify him and or the co-author of the proposal can be reached at the following numbers:

Alexander Tambascia - 857-498-1628

Robert Brown - 603-31/8-1911

# Proposal for the Formation of Community Internet Service for The Town of New Boston, New Hampshire

## Proposal Authors:

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## Abstract

This is a proposal for the town of New Boston to establish a community internet service to provide economical high speed internet access to residents and small business. Furthermore, to use the profits from the internet service to reduce property taxes for the residents.

## Introduction

The town of New Boston has very limited access to high speed internet services and internet providers. The cost of internet services that are offered is 150% more than the same service being purchased by customers in in other service areas. The current providers have no interest in expanding or improving the current internet services that are available to the town of New Boston. Consequently, it is up to the people of New Boston to implement the infrastructure needed in order to provide quality high- speed Internet service at a more reasonable price.

There are federal grants that are available to the town to use that will cover the cost of equipment purchase, equipment setup, personnel costs and the implementation costs of establishing a community internet service. Using federal grants, it is feasible for the town to establish a high- speed Internet service that can provide Quality of Service (QoS) that is equal to or greater than that of the services offered by our current providers.

The service the town offers can save the residents of New Boston a significant percentage of the costs they currently pay for Internet service while making the town a significant profit. The town can use the profits it makes to reduce its residents' tax burden.

## Proposal

Using two key Federal grants establish a community internet service and use the profits from the service to reduce the tax obligation of residents. Once established and fully operation within New Boston the next step would be to expand and collaborate with the towns of Goffstown and Milford to create a regional community internet service that will benefit and reduce the property tax obligations for all three communities.

## Established Community Services

New Boston will not be the first community to create an internet service for its residents and businesses. The communities listed below have all created successful community internet services:

- Taunton Municipal Lighting and Power (TMLP), Taunton Mass.
- Minneapolis Wireless Internet Network, Minneapolis, MN
- HomeServe USA, Chattanooga, TN
- St. Cloud, Florida

- Bristol, VA

This is a partial list. A more comprehensive list of communities with their own internets is provided in the Appendix.

## Phases of Implementation

We can achieve the implementation of a community internet in a step by step manner by adhering to the following procedure:

- Phase 0. Apply for federal grants in order to obtain funding for equipment, startup and personnel
- Phase 1. Create and offer wireless internet service to residents
- Phase 2. Create and offer high speed internet to residents and small businesses in New Boston
- Phase 3. Expand our wireless and high speed services to include Goffstown and Milford.

An explanation of each phase is provided in the subsections below.

### Phase 0

To accomplish this phase, the warranted representatives of the town must acquire, fill in, and submit applications for funding with one or more federal programs. Recommended federal programs to approach as funding sources are:

Community Connect program via USDA ([http://www.rurdev.usda.gov/utp\\_commconnect.html](http://www.rurdev.usda.gov/utp_commconnect.html))

Connect America Fund (CAF) via FCC (<http://www.fcc.gov/encyclopedia/connecting-america>)

When we have submitted the application and have successfully acquired the necessary funding, we can consider this phase complete.

### Phase 1

In this phase, we create the infrastructure necessary to offer wireless services to New Boston residents. We offer wireless services first because they are easier to set up and will quickly begin earning revenue for the town.

The services offered will be 4G/5G/LTE, which are currently the fastest wireless services available. The services we offer will have static Internet Protocol (IP) options.

We can consider this phase to be complete when we have finished creating the infrastructure and the wireless services are stable and working for the residents.

### Phase 2

This is the phase where we create the wired internet infrastructure that will be offered to individuals and businesses. This service will use Ethernet over Copper (EoC) to deliver the high

speed internet. EoC is best for the internet implementation because it is less expensive than fiber optics. It will be sufficient for the town because it will be offering only internet service, as opposed to the broadband services (including cable service) of other carriers.

When we have set up the wired internet service and are offering it to residents and businesses, we will have completed this phase.

### Phase 3

In this final phase, the town of New Boston will have a working set of internet services that it will be able to expand to other towns. The leaders of New Boston will work with the leaders of Goffstown and Milford to build the necessary infrastructure to offer our services to their towns.

## Resources

The Federal Government offers two grants to rural communities who want to setup a community internet service:

Community Connect program via USDA ([http://www.rurdev.usda.gov/utp\\_commconnect.html](http://www.rurdev.usda.gov/utp_commconnect.html))

Connect America Fund (CAF) via FCC (<http://www.fcc.gov/encyclopedia/connecting-america>)

For initial capability provider we recommend that the primary resource that the town should use should be Juniper Networks ([www.juniper.net](http://www.juniper.net)). Juniper Networks is very experienced in developing and implementing network infrastructures. Consequently it can help to create a robust, secure network for New Boston.

Furthermore, Juniper Networks has special programs and discounts that are designed specifically for small communities to establish community internet services. They can provide New Boston with the highest- quality network infrastructure at the lowest (and most reasonable) price.

## Actuals

For the following service in the listed location is the actual price (excluding taxes) of what a consumer would pay for 10MB upload 10MB Download /28 static IP address allocation (+/- 5% price deviation, prices obtained via public website pricing tool of each vendor):

	Verizon	Quest	Comcast	Fairpoint	Megapath
Boston	\$99	\$110	\$159	X	\$139
Nashua	\$129	\$125	\$179	\$139	\$156
New Boston	X	X	\$300	X	\$265

X = Service specified is not offered by provider

## Management

The provider will be manage by an elected body of three people who will oversee the services that are provided and establish service agreements from an executive level. This body will also be responsible for the hiring of an operations manager who will be responsible for the daily operations of the service. The term shall be 3 years per election period.

## Financial Impact to Community

There will be no tax increase or financial impact to the residents of New Boston. The initial startup costs are covered by federal grants for the establishment of the service. Only residents who opt-in for the service will be charge the monthly service fee for internet services.

## Benefits

When we develop a community internet service, we will reap a number of benefits. We will quickly enjoy several short- term benefits, but we will also continue to have benefits in the long run.

### Short Term Benefits

- The creation of new jobs
- Faster and cheaper internet service for residents
- Reduce property taxes for residents
- Interests of the Community is priority over interests of business to make profit

### **Long Term Benefits**

- Encourage more small businesses to open and operate in New Boston
- Reduce property taxes throughout the region (New Boston, Goffstown, & Milford)
- Profits gained for the interests of the communities
- Generate revenue for the town through taxes obtained by business investing in New Boston

### **Estimated Revenues/Savings**

Total Populate (based on last census) 5231

Assume 50% (2615) subscribe

Cost for 10MB upload 10MB Download /28 static IP address allocation = \$200

\$150 = over head

\$50 = Profit

Total Profit for the year = \$1569000

Total property tax savings per resident = \$299.95/yr

### **Conclusion**

We recommend that the town votes to approve the proposal and start the application process to obtain the grants to establish a community based internet service.

## Appendix

Below is a list of communities that, as of January of this year, have community internets. This list is from a document titled Community Based Broadband Solutions The Benefits of Competition and Choice for Community Development and High Speed Internet Access. This document was published by The White House and can be found at [https://www.whitehouse.gov/sites/default/files/docs/community-based\\_broadband\\_report\\_by\\_executive\\_office\\_of\\_the\\_president.pdf](https://www.whitehouse.gov/sites/default/files/docs/community-based_broadband_report_by_executive_office_of_the_president.pdf)

<b>City</b>	<b>State</b>	<b>Name of Network</b>
Ketchikan	AK	KPU Telecommunications
Kotlik	AK	Kotlik
Statewide	AK	Rural Alaska Video E-Health Network (RAVEN)
White Mountain	AK	White Mountain
Opelika	AL	Opelika
Opp	AL	Opp Cablevision
Scottsboro	AL	Scottsboro EPB
Sylacauga	AL	Sylacauga
Conway	AR	Conway Corporation
Paragould	AR	Paragould Light Water and Cable
Sells	AZ	Tohono O'odham Last-Mile FTTH and Broadband Wireless Network
Anaheim	CA	Anaheim
Anaheim	CA	Anaheim Fiber
Burbank	CA	Burbank Water and Power
Glendale	CA	Glendale
Humboldt County	CA	Digital Redwoods
Loma Linda	CA	Loma Linda
Loma Linda	CA	Loma Linda Connected Community
Lompoc	CA	City of Lompoc (LompocNet)
Long Beach	CA	Long Beach
Mendocino County	CA	Mendocino Community Network
Palo Alto	CA	Palo Alto Fiber
Pasadena	CA	Pasadena
San Bruno	CA	San Bruno Municipal Cable TV
San Francisco	CA	SF Fiber
Santa Clara	CA	Santa Clara
Santa Monica	CA	Santa Monica City Net
Santa Monica	CA	Santa Monica Fiber
Shafter	CA	City of Shafter, California
Truckee	CA	Truckee Donner Public Utility District
Vernon	CA	Vernon Light & Power
Cortez	CO	Cortez Community Network
Durango	CO	Durango
Glenwood Springs	CO	Glenwood Springs Community Broadband Network (GSCBN)
Longmont	CO	NextLight

Bristol	CT	Bristol CT
East Hartford	CT	Connecticut Education Network
Manchester	CT	Manchester Wireless
Fort Pierce	FL	FPUAnet Communications
Gainesville	FL	GATOR NET
Hobe Sound	FL	Martin County Dark Fiber
Indiantown	FL	Martin County Dark Fiber
Jacksonville	FL	Jacksonville iNet
Jensen Beach	FL	Martin County Dark Fiber
Jupiter Island	FL	Martin County Dark Fiber
Lakeland	FL	Lakeland
Leesburg	FL	Leesburg
New Smyrna Beach	FL	Utilities Commission, City of New Smyrna Beach
Ocala	FL	Ocala Utility Services
Ocean Breeze Park	FL	Martin County Dark Fiber
Palm Beach County	FL	Palm Beach County
Palm City	FL	Martin County Dark Fiber
Palm Coast	FL	Palm Coast FiberNET
Port Salerno	FL	Martin County Dark Fiber
Quincy	FL	NetQuincy
Sewall's Point	FL	Martin County Dark Fiber
Stuart	FL	Martin County Dark Fiber
Tallahassee	FL	Tallahassee
Valparaiso	FL	Valparaiso Broadband
Baconton	GA	Community Network Services - Camilla
Baker County	GA	SGRITA Rural Last-mile Infrastructure Project Last-mile
Cairo	GA	Community Network Services - Cairo (Syrup City)
Calhoun	GA	CALNET
Calhoun County	GA	SGRITA Rural Last-mile Infrastructure Project Last-mile
Camilla	GA	Community Network Services - Camilla
Cartersville	GA	Fibercom
Catoosa County	GA	OptiLink
Columbia County	GA	Columbia County Community Broadband Network
Dalton	GA	OptiLink
Doerun	GA	City of Doerun
Douglasville	GA	Douglas County School System Fiber
Dublin	GA	Dublin
Early County	GA	SGRITA Rural Last-mile Infrastructure Project Last-mile
Elberton	GA	Elberton Utilities
Flintstone	GA	EPB Fiber Optics
Forsyth	GA	Forsyth Cablenet
LaGrange	GA	LaGrange Telecommunications Department
Miller County	GA	SGRITA Rural Last-mile Infrastructure Project Last-mile
Mitchell County	GA	SGRITA Rural Last-mile Infrastructure Project Last-mile
Monroe	GA	Monroe Utilities Network

Moultrie	GA	Community Network Services - Moultrie
Murray County	GA	OptiLink
Pelham	GA	Community Network Services - Pelham (Pelnet)
Rossville	GA	EPB Fiber Optics
Sandersville	GA	Sandersville FiberLink
Thomasville	GA	Community Network Services - Thomasville
Tifton	GA	Tifton
Whitfield County	GA	OptiLink
Wildwood	GA	EPB Fiber Optics
Algona	IA	Algona Municipal Utilities
Alta	IA	Altatec
Bellevue	IA	Bellevue
Cedar Falls	IA	Cedar Falls Utilities
Cedar Falls	IA	Cedar Falls Utilities - rural expansion
Coon Rapids	IA	Coon Rapids Municipal Utilities
Grundy Center	IA	Grundy Center Municipal Light & Power
Harlan	IA	Harlan Municipal Utilities
Hartley	IA	The Community Agency
Hawarden	IA	HITEC - Hawarden Integrated Technology, Energy, & Communication
Independence	IA	Independence Light & Power, Telecommunications
Indianola	IA	Indianola
Laurens	IA	Laurens Municipal Power and Communications
Lenox	IA	Lenox
Manning	IA	Manning Municipal Communication and Television System Utility
Mapleton	IA	Mapleton Communications
Muscatine	IA	MachLink
Osage	IA	Osage Municipal Utilities
Paullina	IA	The Community Agency
Primghar	IA	The Community Agency
Reinbeck	IA	Reinbeck Telecom
Sanborn	IA	The Community Agency
Spencer	IA	Spencer Municipal Utilities
Webster City	IA	Webster City
Ammon	ID	Ammon
Idaho Falls	ID	Circa
Plummer	ID	Coeur d'Alene Reservation FTTH Project Last-mile Non-remote
Aurora	IL	Onlight Aurora
Aurora	IL	OnLight Aurora
Champaign	IL	Urbana-Champaign Big Broadband UC2B
DeKalb County	IL	DeKalb Advancement of Technology Authority Broadband
Evanston	IL	Evanston
Highland	IL	Highland Communication Services

LaSalle County	IL	DeKalb Advancement of Technology Authority Broadband
Princeton	IL	Princeton Municipal Utilities
Rochelle	IL	Rochelle Municipal Utilities
Rock Falls	IL	Rock Falls
Urbana	IL	Urbana-Champaign Big Broadband UC2B
Anderson	IN	Anderson Municipal Light and Power
Auburn	IN	Auburn Essential Services
Lebanon	IN	Lebanon Utilities
Mishawaka	IN	Saint Joe Valley MetroNet
South Bend	IN	Saint Joe Valley MetroNet
Westfield	IN	City of Westfield
Chanute	KS	Chanute
Lenexa	KS	Lenexa Fiber
Ottawa	KS	Ottawa Network
White Cloud	KS	Iowa Tribe of Kansas and Nebraska Fiber-to-the- Premise
Barbourville	KY	Barbourville
Bardstown	KY	Bardstown Cable
Bowling Green	KY	Bowling Green Municipal Utility
Corinth	KY	City of Williamstown
Frankfort	KY	Frankfort Plant Board
Franklin	KY	Franklin Municipal FiberNET
Glasgow	KY	Glasgow Electric Power Board
Grant County	KY	City of Williamstown
Hopkinsville	KY	Energy Net
Monticello	KY	Community Telecom Services
Murray	KY	Murray Electric System
Owen County	KY	City of Williamstown
Owensboro	KY	OMU Online
Paducah	KY	Paducah Power System
Russellville	KY	Russellville EPB SmartNet
Williamstown	KY	City of Williamstown
Lafayette	LA	Lafayette Utilities System
Braintree	MA	Braintree Electric Light Department
Chicopee	MA	Chicopee Electric Light
Holyoke	MA	Holyoke Gas & Electric Co.
Leverett	MA	LeverettNet
Norwood	MA	Norwood Light Broadband
Russell	MA	Russell Municipal Cable
Shrewsbury	MA	Shrewsbury Electric and Cable Operations
South Hadley	MA	Five College Fiber Optic Network
Taunton	MA	Taunton Municipal Lightning Plant
Worcester	MA	Worcester Municipal Fiber Loop

Carroll County	MD	Carroll County Broadband
Columbia	MD	Howard County Fiber Network
Dayton	MD	Howard County Fiber Network
Easton	MD	EastonOnline
Elkridge	MD	Howard County Fiber Network
Ellicot City	MD	Howard County Fiber Network
Fulton	MD	Howard County Fiber Network
Highland	MD	Howard County Fiber Network
Savage	MD	Howard County Fiber Network
Coldwater	MI	CBPU
Crystal Falls	MI	City of Crystal Falls
Holland	MI	Holland Fiber Network
Negaunee	MI	City of Negaunee Dept. of Public Works
Norway	MI	City of Norway CATV System
Sebewaing	MI	Sebewaing Light & Water
Wyandotte	MI	Wyandotte
Bagley	MN	Bagley Public Utilities
Barnesville	MN	Barnesville Municipal Utilities
Belle Plaine	MN	Scott County Fiber Network
Bingham Lake	MN	SMBS - Bingham lake
Brewster	MN	SMBS - Brewster
Carver	MN	CarverLink
Chanhassen	MN	CarverLink
Chaska	MN	Chaska.Net
Cologne	MN	CarverLink
Crosslake	MN	Crosslake Communications
Eagan	MN	Access Eagan
Elko New Market	MN	Scott County Fiber Network
Hamburg	MN	CarverLink
Heron Lake	MN	SMBS - Heron Lake
Jackson	MN	SMBS - Jackson
Jordan	MN	Scott County Fiber Network
Lake County	MN	Lake County
Lakefield	MN	SMBS - Lakefield
Mayer	MN	CarverLink
Monticello	MN	Monticello Fiber Network
New Germany	MN	CarverLink
New Prague	MN	Scott County Fiber Network
Norwood Young America	MN	CarverLink
Okabena	MN	SMBS - Okabena
Pine City	MN	Pine City Fiber Optic Backbone
Prior Lake	MN	Scott County Fiber Network
Round Lake	MN	SMBS - Round Lake
Savage	MN	Scott County Fiber Network
Shakopee	MN	Scott County Fiber Network
Silver Bay	MN	Lake County Fiber Network

St. Louis Park	MN	St. Louis Park
Two Harbors	MN	Lake County Fiber Network
Victoria	MN	CarverLink
Waconia	MN	CarverLink
Watertown	MN	CarverLink
Westbrook	MN	Westbrook Municipal Light & Power
Wilder	MN	SMBS -Wilder
Windom	MN	Windomnet
Kahoka	MO	Kahoka
Marshall	MO	Marshall
North Kansas City	MO	liNKCity
Poplar Bluff	MO	City of Poplar Bluff Municipal Utilities
Springfield	MO	SpringNet
Collins	MS	Collins Communications
Asheville	NC	ERC Broadband
Chapel Hill	NC	Chapel Hill Fiber Optic Services
Cornelius	NC	MI-Connection
Davidson	NC	MI-Connection
Mooresville	NC	MI-Connection
Morganton	NC	Morganton
Salisbury	NC	Fibrant
Sylva	NC	BalsamWest FiberNET
Tryon	NC	PANGAEA
Wilson	NC	Greenlight
South Sioux City	NE	South Sioux City Municipal Network
Cheshire	NH	Fast Roads
Claremont	NH	Fast Roads
Enfield	NH	Fast Roads
Fitzwilliam	NH	Fast Roads
Goshen	NH	Fast Roads
Hanover	NH	Fast Roads
Keene	NH	Fast Roads
Lebanon	NH	Fast Roads
Lyme	NH	Fast Roads
Marlow	NH	Fast Roads
New London	NH	Fast Roads
Newport	NH	Fast Roads
Orford	NH	Fast Roads
Richmond	NH	Fast Roads
Rindge	NH	Fast Roads
Springfield	NH	Fast Roads
Sunapee	NH	Fast Roads
Swanzy	NH	Fast Roads
Glassboro	NJ	Glassboro Municipal Area Network
Vineland	NJ	Vineland Metropolitan Area Network
Churchill	NV	CC Communications
Bristol Center	NY	Axcess Ontario
Bristol Springs	NY	Axcess Ontario
Canandaigua	NY	Axcess Ontario

Cheshire	NY	Axcess Ontario
Clifton Springs	NY	Axcess Ontario
East Bloomfield	NY	Axcess Ontario
Farmington	NY	Axcess Ontario
Fishers	NY	Axcess Ontario
Geneva	NY	Axcess Ontario
Gorham	NY	Axcess Ontario
Hogansburg	NY	St. Regis Mohawk Tribe Connect (Economic Development for the 21st Century)
Honeoye	NY	Axcess Ontario
Hopewell	NY	Axcess Ontario
Manchester	NY	Axcess Ontario
Naples	NY	Axcess Ontario
New York City	NY	New York City Wireless Network NYCWiN
Phelps	NY	Axcess Ontario
Rushville	NY	Axcess Ontario
Stanley	NY	Axcess Ontario
Victor	NY	Axcess Ontario
West Bloomfield	NY	Axcess Ontario
Akron	OH	OneCommunity
Ashtabula	OH	OneCommunity
Barberton	OH	OneCommunity
Bryan	OH	Bryan Municipal Utilities
Butler County	OH	Butler County
Canton	OH	OneCommunity
Cincinnati	OH	Hamilton County
Cleveland	OH	OneCommunity
Cleveland Heights	OH	OneCommunity
Dover	OH	Dover Technology
Dublin	OH	Dublink+
Eastlake	OH	OneCommunity
Elyria	OH	OneCommunity
Gahanna	OH	Gahanna
Hamilton	OH	Hamilton Miami U
Lorain	OH	OneCommunity
Mayfield Village	OH	OneCommunity - Mayfield Village
Medina County	OH	Medina County
Mentor	OH	OneCommunity
Middletown	OH	Middletown Miami U
New Albany	OH	BlueAlbany
Sandusky	OH	OneCommunity
Wadsworth	OH	City of Wadsworth Electric & Communications Dept.
Wadsworth	OH	OneCommunity
Woodsfield	OH	Woodsfield Municipal Power
Wooster	OH	OneCommunity
Ponca City	OK	Ponca City Technology Services
Sallisaw	OK	DiamondNet
Ashland	OR	Ashland Fiber Network
Canby	OR	Clackamas Broadband Express

Damascus	OR	Clackamas Broadband Express
Douglas County	OR	Oregon South Central Regional Fiber Consortium Lighting the Fiber Middle-mile Project
Estacada	OR	Clackamas Broadband Express
Eugene	OR	Eugene
Gladstone	OR	Clackamas Broadband Express
Government Camp	OR	Clackamas Broadband Express
Happy Valley	OR	Clackamas Broadband Express
Independence	OR	MINET
Klamath County	OR	Oregon South Central Regional Fiber Consortium Lighting the Fiber Middle-mile Project
Lane County	OR	Oregon South Central Regional Fiber Consortium Lighting the Fiber Middle-mile Project
Milwaukie	OR	Clackamas Broadband Express
Molalla	OR	Clackamas Broadband Express
Monmouth	OR	MINET
Mulino	OR	Clackamas Broadband Express
Oregon City	OR	Clackamas Broadband Express
Sandy	OR	SandyNet
Sherwood	OR	Sherwood Fiber
Springfield	OR	Springfield Utility Board
The Dalles	OR	Q-Life Network
Wilsonville	OR	Clackamas Broadband Express
Beaver County	PA	Beaver County Fiber
Kutztown	PA	Hometown Utilicom
Pitcairn	PA	Pitcairn Power/Community Cable
Hartsville	SC	Hartsville
Oconee County	SC	Oconee FOCUS (Fiber Optics Creating Unified Solutions)
Orangeburg County	SC	Orangeburg
Aberdeen	SD	CityNet (Dakota Interconnect)
Beresford	SD	Beresford Municipal Telephone/Cablevision
Brookings	SD	Swiftel
Bristol	TN	Bristol TN Essential Services
Chattanooga	TN	EPB Fiber Optics
Clarksville	TN	Clarksville CDE Lightband
Columbia	TN	CPWS Broadband
East Ridge	TN	EPB Fiber Optics
Erwin	TN	Erwin Utilities
Fayetteville	TN	Fayetteville Public Utilities
Jackson	TN	Jackson Energy Authority
Johnson City	TN	BVU OptiNet
Lookout Mountain	TN	EPB Fiber Optics
Morristown	TN	FiberNET
Nashville	TN	NESNet
Pulaski	TN	PES Energize
Red Bank	TN	EPB Fiber Optics
Ridgeside	TN	EPB Fiber Optics
Signal Mountain	TN	EPB Fiber Optics
Tullahoma	TN	Tullahoma Utilities Board

Greenville	TX	GEUS
Lindon	UT	Utah Telecommunications Open Infrastructure Agency (UTOPIA)
Brigham City	UT	Utah Telecommunications Open Infrastructure Agency (UTOPIA)
Centerville	UT	Utah Telecommunications Open Infrastructure Agency (UTOPIA) HQ
Layton	UT	Utah Telecommunications Open Infrastructure Agency (UTOPIA)
Midvale	UT	Utah Telecommunications Open Infrastructure Agency (UTOPIA)
Murray	UT	Utah Telecommunications Open Infrastructure Agency (UTOPIA)
Orem	UT	Utah Telecommunications Open Infrastructure Agency (UTOPIA)
Payson	UT	Utah Telecommunications Open Infrastructure Agency (UTOPIA)
Perry	UT	Utah Telecommunications Open Infrastructure Agency (UTOPIA)
Spanish Fork	UT	Spanish Fork Community Network
Tremonton	UT	Utah Telecommunications Open Infrastructure Agency (UTOPIA)
West Valley City	UT	Utah Telecommunications Open Infrastructure Agency (UTOPIA) HQ
Abingdon	VA	BVU OptiNet
Arlington County	VA	ConnectArlington
Atkins	VA	BVU OptiNet
Bluefield	VA	BVU OptiNet
Bristol	VA	BVU OptiNet
Castlewood	VA	BVU OptiNet
Cedar Bluff	VA	BVU OptiNet
Chillhowie	VA	BVU OptiNet
Clay Pool Hill	VA	BVU OptiNet
Cleveland	VA	BVU OptiNet
Clinchco	VA	BVU OptiNet
Clintwood	VA	BVU OptiNet
Damascus	VA	BVU OptiNet
Danville	VA	nDanville
Duffield	VA	LENOWISCO Planning District Commission
Eastern Virginia	VA	Eastern Shore of Virginia Broadband Authority
Emery-Meadow View	VA	BVU OptiNet
Galax	VA	Wired Road
Glad Spring	VA	BVU OptiNet
Grundy	VA	BVU OptiNet
Haysi	VA	BVU OptiNet
Hiltons	VA	BVU OptiNet
Honaker	VA	BVU OptiNet
Independence	VA	BVU OptiNet
Lebanon	VA	BVU OptiNet
Luray	VA	Page County Broadband Project
Marion	VA	BVU OptiNet
Martinsville	VA	Martinsville Information Network - MINET
Nelson County	VA	Nelson County Virginia Broadband Project
Page County	VA	Page County Broadband Project
Richlands	VA	BVU OptiNet
Rockbridge County	VA	Connect the Dots: Rockbridge Broadband Initiative
Rural Retreat	VA	BVU OptiNet
Saltville	VA	BVU OptiNet
Shenandoah	VA	Page County Broadband Project
St Paul	VA	BVU OptiNet

Stanley	VA	Page County Broadband Project
Staunton	VA	Staunton
Sugar Grove	VA	BVU OptiNet
Tazewell	VA	BVU OptiNet
Troutdale	VA	BVU OptiNet
Vansant	VA	BVU OptiNet
Wytheville	VA	BVU OptiNet
Barnard	VT	ECFibernet (East Central Vermont Community Fiber Network)
Bethel	VT	ECFibernet (East Central Vermont Community Fiber Network)
Braintree	VT	ECFibernet (East Central Vermont Community Fiber Network)
Brookfield	VT	ECFibernet (East Central Vermont Community Fiber Network)
Hancock	VT	ECFibernet (East Central Vermont Community Fiber Network)
North Randolph	VT	ECFibernet (East Central Vermont Community Fiber Network)
Pomfret	VT	ECFibernet (East Central Vermont Community Fiber Network)
Reading	VT	ECFibernet (East Central Vermont Community Fiber Network)
Rochester	VT	ECFibernet (East Central Vermont Community Fiber Network)
Royalton	VT	ECFibernet (East Central Vermont Community Fiber Network)
Sharon	VT	ECFibernet (East Central Vermont Community Fiber Network)
Stockbridge	VT	ECFibernet (East Central Vermont Community Fiber Network)
Aberdeen	WA	Grays Harbor PUD
Ardenvoir	WA	Chelan PUD
Bauer's Landing	WA	Douglas County Community Network
Benton City	WA	Benton PUD Broadband
Benton County	WA	Benton PUD Broadband
Blewett	WA	Chelan PUD
Bridgeport	WA	Douglas County Community Network
Bridgeport Bar	WA	Douglas County Community Network
Burlington	WA	Mt Vernon Fiber Optic Services
Cashmere	WA	Chelan PUD
Chelan	WA	Chelan PUD
Chelan County	WA	Chelan PUD
Cheney	WA	Cheney Fiber Network
Chumstick	WA	Chelan PUD
Clallam County	WA	Clallam PUD
Coulee City	WA	Grant PUD
Coulee Dam	WA	Grant PUD
Desert Aire	WA	Grant PUD
Desert Canyon	WA	Douglas County Community Network
Douglas County	WA	Douglas County Community Network
Dryden	WA	Chelan PUD
East Wenatchee	WA	Douglas County Community Network
Edmonds	WA	City of Edmonds
Entiat	WA	Chelan PUD
Ephrata	WA	Grant PUD
Franklin County	WA	Franklin PUD Broadband
Grand Coulee	WA	Grant PUD
Grant County	WA	Grant PUD
Hartline	WA	Grant PUD
Kennewick	WA	Benton PUD Broadband

Kitsap County	WA	Kitsap PUD
Leavenworth	WA	Chelan PUD
Mansfield	WA	Douglas County Community Network
Mason County	WA	Mason County PUD <sub>3</sub>
Mattawa	WA	Grant PUD
Meritt	WA	Chelan PUD
Monitor	WA	Chelan PUD
Moses Lake	WA	Grant PUD
Mt Vernon	WA	Mt Vernon Fiber Optic Services
Newport	WA	Pend Oreille County Public Utility District (PUD) Broadband Network
Okanogan County	WA	Okanogan PUD
Orondo	WA	Douglas County Community Network
Pacific County	WA	Pacific County PUD#2
Pasco	WA	Franklin PUD Broadband
Pend Oreille County	WA	Pend Oreille PUD
Peshastin	WA	Chelan PUD
Port of Skagit County	WA	Mt Vernon Fiber Optic Services
Prosser	WA	Benton PUD Broadband
Quincy	WA	Grant PUD
Royal City	WA	Grant PUD
Sequim	WA	Clallam PUD
Shelton	WA	Mason County Public Utilities District
Soap Lake	WA	Grant PUD
Sun Cove	WA	Douglas County Community Network
Tacoma	WA	Click! Network
Warden	WA	Grant PUD
Waterville	WA	Douglas County Community Network
Wenatchee	WA	Chelan PUD
Wilson Creek	WA	Grant PUD
Yodelin	WA	Chelan PUD
Eau Claire	WI	Chippewa Internetworking Consortium (CINC)
Oconto	WI	Oconto Falls Municipal Utilities
Platteville	WI	Chippewa Internetworking Consortium (CINC)
Reedsburg	WI	Reedsburg Utility Commission
Reedsburg	WI	Reedsburg Utility Commission - rural expansion
Shawano	WI	Shawano Municipal Utilities
Sun Prairie	WI	Sun Prairie Utilities
Superior	WI	Chippewa Internetworking Consortium (CINC)
Wausau	WI	Chippewa Internetworking Consortium (CINC)
Philippi	WV	Philippi Communications System
Powell	WY	Powell Fiber Optic Network