

**OFFICIAL OCTOBER 2014 FINAL UPDATE SUBMISSION TO
THE NATIONAL TELECOMMUNICATIONS AND
INFORMATION ADMINISTRATION UNDER THE
STATE BROADBAND DATA AND DEVELOPMENT
GRANT PROGRAM FOR THE STATE OF IOWA**



**CONNECT
IOWA®**

October 1, 2014

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October 1, 2014

Ms. Anne W. Neville
SBI Grant Program Director
National Telecommunications and Information Administration
U.S. Department of Commerce
Room 4716
1401 Constitution Avenue, NW
Washington, DC 20230

Dear Ms. Neville:

As the State Broadband Designated Entity, in partnership with the Iowa Economic Development Authority, please accept this final submission from Connected Nation on behalf of Connect Iowa, the state of Iowa State Broadband Initiative (SBI) Grant Program.

It has been an honor and privilege for our organization to have participated in this historical effort over the last five years. Because of this extraordinary program and the support of the NTIA, communities across the country, and across the state of Iowa, have enjoyed unprecedented access to data and resources with which to engage, assess, and plan for a more connected future.

Indeed, a sturdy foundation has been set, yet there is still much to do to capture the full potential contemplated by this initial investment. Because of investments in broadband and related technologies, the future of institutions in education, healthcare, and economic development is brighter today than in any other time in our country's history; it is returns in these areas that will be the final measure of this program's impact on America. We look forward to the work ahead.

Connect Iowa would like to recognize the faithful and energized contributions of the many state stakeholders, particularly the broadband providers, in making this and all of the program's previous submissions possible. Truly, the significance of complete and validated data through their participation has added to the many successes our program has enjoyed.

The items that comprise this submission are compliant with the October 1, 2014, deadline for the semi-annual data update and in accordance with the terms of the July 1, 2009, Notice of Funds Availability (NOFA) and all subsequent clarifications pertaining to delivery of state-level mapping of broadband service availability. This packet includes:

Inventory of Deliverables, Connect Iowa: October 1, 2014

<u>NOFA Requirement</u>	<u>Data Transfer Model</u>	<u>Data Description</u>
Appendix A: 1(a)(i)	BB_Service_CensusBlock	Broadband Service Availability of Facilities-Based Providers in Census Blocks of No Greater Than Two Square Miles in Area
Appendix A: 1(a)(ii)	BB_Service_RoadSegment	Broadband Service Availability of Facilities-Based Providers by Road Segment in Census Blocks Larger in Area Than Two Square Miles
Appendix A: 1(b)	BB_Service_Wireless	Broadband Service Availability of Wireless Services Not Provided to a Specific Address
Appendix A: 3(b)	BB_ConnectionPoint_MiddleMile	Broadband Service Infrastructure Middle-Mile and Backbone Interconnection Points
Appendix A: 4	BB_Service_CAInstitutions	Community Anchor Institutions-Listing
Appendix A: 4	n/a	Community Anchor Institutions-Narratives
VII.A.1(a)	n/a	Accuracy and Verification Report
n/a	DataPackage.xlsx	Worksheets of Contact Information, Record Count, and Provider Summary Table
n/a	n/a	List of Changes and Corrections to the Dataset
n/a	n/a	Non-Participating Provider (NPP) Narratives
n/a	n/a	Broadband Provider Roster and Participation Status

In addition, this data update submission is compliant with the additional program requirements instituted by the National Telecommunications and Information Administration since the time of the April 2014 SBI data submission for the Connect Iowa program. Specifically, these new requirements are:

SBI Data Transfer Model

The submission of the broadband dataset for October 1, 2014, is contained within the SBI Data Transfer Model as provided to SBI Grantees on May 29, 2014. All efforts have been made to comply with formatting, domain, and metadata requirements to include as much information on each provider as possible.

Additional Submission Guidance

In collecting broadband service area datasets for inclusion on the National Broadband Map, this October 2014 submission includes business/commercial broadband service areas in addition to the residential datasets that have been collected for the SBI program. Following guidance from the program office, the end user category appropriately delineates the differences in residential service areas, business service areas, and combination residential/business service areas. Further, all contacted providers were asked if they provide broadband services to business customers within their existing coverage areas and, if so, this information was noted.

This final submission also includes information regarding the data and coverage estimation of non-participating providers. While Connect Iowa continued outreach to all providers prior to each submission period, the need to submit broadband service data for all providers regardless of their participation is evident as the SBI program continues into this final round of data submissions. The submission of this estimated broadband service area for providers that have not supplied data to Connect Iowa is essential in being able to portray a more accurate depiction of the current broadband landscape.

This October 2014 final data update under the SBI Grant Program continues to demonstrate our dedication to implementing the joint purposes of the Recovery Act and the Broadband Data Improvement Act (BDIA) by gathering comprehensive and accurate state-level broadband mapping data, developing state-level broadband maps, aiding in the development and maintenance of the National Broadband Map, and undertaking statewide initiatives for broadband planning.

Broadband Service Availability — Provider Outreach and Verification

This data update submission under the SBI program includes datasets for 100 percent of the Iowa provider community, or 202 total providers. There are 201 participating providers and 1 additional non-participating provider whose estimated coverage areas have been submitted. Of the 201 participating providers, 70 supplied an update to their network or coverage area(s), while 101 have reported no change. The remaining 30 represent providers who previously supplied data but were non-responsive in the October 2014 update effort; therefore, their previous dataset is being put forward as part of this compilation. A complete roster by provider depicting participation status and contact history is contained herein.

This submission also includes business/commercial providers; of the 323 residential datasets represented in this submission, including providers that offer multiple technology types, 249 are broadband datasets that do not distinguish between serving primarily residential or primarily non-residential users (end user category 5). There are 42 business-only broadband datasets (end user category 2) also included in this submission.

In addition to the facilities-based and middle-mile broadband providers tracked above, this submission contains datasets for 3 resellers that were able to provide sufficient information on their service area(s) to be included in the data transfer model.

As the aforementioned roster and attached methodology documentation will attest, it is the collective opinion of the Connect Iowa principals that all commercially reasonable efforts have been made to account for 100 percent of the known Iowa broadband provider community, pursuant to this final data update submission.

Connect Iowa has also continued to perform broadband verification activities through several means. In addition to confirmation of service area(s) by each provider, Connect Iowa has conducted field validation efforts. As of this final submission, 188 (93.07 percent) viable providers have been validated through field verification activities. Additional details on verification activities are contained within the Field Validation Methodology.

The Connect Iowa website (www.connectiowa.org) has served a prominent role in the outreach and data collection effort. This program asset has provided a way for the general public to participate in the process by offering interactive tools for users to test their connection speed, submit broadband inquiries, or contact a program representative.

As an indicator of stakeholder penetration, the Connect Iowa website encountered 5,626 unique visits during this final reporting period (48,195 total to date for the life of the grant awarded on January 1, 2010). Additionally, this pronounced Web activity netted 5 broadband inquiries over this same reporting period (252 grant inception to date). The website also provides access to the My ConnectView™ interactive mapping application, which allows consumers and broadband providers to confirm or dispute the coverage represented on the broadband inventory map. These consumer-initiated actions have been facilitated through the Connect Iowa website and the Connect Iowa interactive mapping tool (My ConnectView™) that offer the stakeholders the vehicles to provide information regarding availability in their respective service area, either in affirmation or contest of the reported data represented in the Connect Iowa mapping artifacts. Since the initial data collection and release of corresponding maps, feedback in the form of broadband inquiries has allowed Connect Iowa to identify additional areas that are in need of field validation.

Community Anchor Institutions

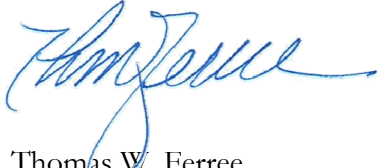
Connect Iowa has been committed to gathering data regarding the location and broadband connectivity of Community Anchor Institutions in accordance with the data requirements of the SBI NOFA Technical Appendix. Multiple agencies and leaders have continued to support CAI data collection, reiterating the importance of a relationship-oriented approach with state-level agencies and organizations that generates more responses than local outreach.

In conjunction with the Iowa Economic Development Authority, Connect Iowa conducted final outreach during this data update reporting period to continue identification of existing, centralized sources for CAI connectivity data. Additionally, outreach was coordinated to distribute the CAI survey to institutions throughout the state through multiple methods, including a customized online survey available on the Connect Iowa website. Building on existing relationships with statewide associations has reinforced the importance of broadband connectivity at anchor institutions and encouraged participation in this data collection process. The value of these relationships has

impacted the entire success of the Grant Program, and the CAI engagement has been a logical extension of new and existing relationships.

The Connect Iowa program exists to improve lives through the deployment and adoption of broadband services and to assist in the extension of broadband technology across all regions of the great state of Iowa, as well as the United States and its territories. Through the SBI program and our contribution to the National Broadband Map, communities have been given meaningful data that has helped them plan and take informed action resulting in improved technology access, adoption, and use in unserved and underserved areas.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'Tom Ferree', written in a cursive style.

Thomas W. Ferree
President and Chief Operating Officer
Connected Nation, Inc.

IOWA COMMUNITY ANCHOR INSTITUTIONS METHODOLOGY

Connect Iowa has been committed to working with Iowa to gather data on the location and broadband connectivity of Community Anchor Institutions (CAI), in accordance with the data requirements of the SBI NOFA Technical Appendix. This commitment continued based on NTIA's encouragement to improve data numbers specifically in the K-12 school and library sectors to support the ConnectED White House Initiative, launched in June 2013. The commitment has continued for the October 2014 submission. In addition to collecting new data, physical address information continues to be augmented through manual sourcing and geocoded by Connect Iowa through Esri ArcGIS software.

Connect Iowa has continued to utilize a customized online survey hosted through SurveyMonkey, with a landing page on the Connect Iowa website that was developed during the first reporting period. This survey, in combination with a customized data-gathering spreadsheet, was distributed on a regular basis to a targeted list of CAI throughout the state as well as organizations and agencies that work closely with the CAI. The distributions were completed with the support of the state client.

Connect Iowa realizes the value of key relationships, new and old, to promote the importance of broadband connectivity at Community Anchor Institutions and participation in this data collection process. It is apparent that these relationships have been beneficial to the entire success of the grant program, and the CAI engagement has been a logical extension of new and existing relationships.

Connect Iowa has conducted significant research as part of an ongoing process to identify existing, centralized sources for CAI connectivity data. In tandem with these efforts to identify existing data, Connect Iowa identified key CAI contacts in an effort to distribute and promote the online survey and raise awareness of the importance of CAI broadband connectivity. Also, when possible, Connect Iowa has worked with the Iowa Economic Development Authority to identify existing relationships that can support CAI outreach.

Connect Iowa has had an ongoing mission to educate CAI throughout the state on the importance of participating in the project and the value this data affords for federal decision makers. Participation by these institutions has raised awareness about the importance of broadband connectivity and the need to report the requested data for inclusion on the National Broadband Map.

The greatest challenge with collecting CAI data continues to be educating the CAI about the Connect Iowa project as well as self-awareness of their own broadband connectivity (specifically upload and download speeds).

A CAI summary of all processed and submitted data is provided below:

CAI Type	Total	Lat/Long	Technology of Transmission	Download Speed	Upload Speed
K-12 Schools	1,929	1,929	202	926	925
Libraries	581	581	408	444	342
Healthcare	179	179	71	64	64
Public Safety	1,192	1,192	107	88	89
Higher Ed Institutions	109	109	32	33	33
Other Government	683	683	302	253	281
Other Non-Government	11	11	9	9	9
Total	4,684	4,684	1,131	1,817	1,743

Iowa's improvements to the K-12 Schools sector is based on the download speed data from the work of Education SuperHighway. The library data is based on additional responses to the library broadband data survey distributed by Connect Iowa with the support of the State Library of Iowa, as well as data obtained from the Digital Inclusion Survey (<http://digitalinclusion.pnmi.com/>). Additionally, an FCC E-rate dataset was also provided for school and library connectivity.

The CAI data has proven to be an invaluable resource to all components of the Connect Iowa effort. The data identifies potential local champions, sector trends, and opportunities for improvement as well as opportunities to educate CAI not familiar with their current connectivity.

SBI DATA SUBMISSION METHODOLOGY

The submission of the broadband dataset for October 1, 2014, is contained within the SBI Data Transfer Model and additional components as provided to SBI Grantees on May 29, 2014.

Connected Nation (CN) has reviewed all literature that relates to the release and use of this data transfer model and recognizes that it does not replace or dictate how data is stored, processed, or displayed for the state, as it is meant primarily as a means to transfer the broadband data from all states and territories and populate the National Broadband Map in a seamless fashion.

Connected Nation has complied with the following guidance documents published by NTIA:

- Technical Mapping Guide, as released on the Grantee Workspace on March 24, 2011, was followed to ensure the completeness and validity of the submission through completion steps and checklists, completing the DataPackage spreadsheet, uploading broadband datasets into the Data Transfer Model, and checking the dataset using the SBDD_CheckSubmission receipt process.
- Naming Conventions and Category of End User, as released on the Grantee Workspace on March 26, 2012, was followed to ensure the consistency of individual file and zip package naming.

- Wireless Data Processing Guidance, as sent to SBI grantees on February 8, 2013, was followed to ensure that all fixed and mobile wireless provider coverage records are submitted to NTIA as separate, closed polygons whenever there is a variation in any of the required fields.

In addition to the methodologies contained herein, the Changes and Corrections documentation, as well as the DataPackage.xls containing contact information, the data dictionary, and a provider summary table, the following feature classes are submitted within the SBI Data Transfer Model for the state of Iowa.

Inventory of Deliverables, Connect Iowa: October 1, 2014

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Appendix A: 4	BB_Service_CAInstitutions	Community Anchor Institutions-Listing.

The provider data collected by CN on behalf of the state of Iowa have been formatted per the given specifications and uploaded into the appropriate feature classes of the SBI Data Transfer Model. Wireline availability is contained within census blocks and road segments, wireless availability is contained as polygons of coverage areas, and middle-mile connections and Community Anchor Institutions are contained as point data. All speed data is contained at the census block, road segment, or wireless polygon level of availability. All efforts have been made to comply with formatting, domain, and metadata requirements to include as much information as possible.

In collecting broadband service area datasets for inclusion on the National Broadband Map, this October 2014 submission includes business/commercial broadband service areas in addition to the residential datasets that have been collected for the SBI program. Following guidance from the program office, the end user category appropriately delineates the differences in residential service area, business service areas, and combination residential/business service areas.

Connected Nation has continued outreach to satellite providers on their availability, technology, and speed information, but granular coverage, based on complex geoprocessing models that require specific satellite details, is not currently available. Submitted within the wireless feature class are the satellite companies providing service to Iowa as a polygon of the state boundary.

DATASETS FOR IN-KIND MATCH

Connect Iowa received an in-kind match contribution to assist with SBI mapping goals which has been beneficial to the program in the following ways:

- **LiDAR Dataset:** This LIDAR dataset provides the program with access to high quality elevation data for the entire state; this file displays the changes in elevation across the state at 3 meter intervals, which is much more detailed than the standard 30 meter dataset. The digital elevation models derived from the LIDAR dataset are used in several ways, including but not limited to, obtaining the base elevation measurement for vertical assets in the state, identifying ideal locations for new towers to expand broadband services, and being able to use the elevation data in the field during field validation activities when Internet service may not be readily available.

IOWA FIELD VALIDATION METHODOLOGY

CN focused a portion of its time on specific validation processes such as:

- conducting random spectrum analysis studies throughout the state using an Avcom PSA-37-XP spectrum analyzer;
- conducting mobile speed tests throughout the state using an iPhone, Android (or other smart phone) as well as provider-specific aircards (Sprint 3G/4G, Clearwire et al);
- identifying pre-selected, provider-submitted wireless transmit tower sites and cross-referencing data about that tower against the Federal Communications Commission (FCC) databases such as Antenna Structure Registration and/or the Universal Licensing System;
- cross-referencing Federal Registration Number data against available FCC Form 477 data as well as the FCC **CO**mmission **RE**gistration **S**ystem (CORES);
- validating provider submitted data (for example: latitude/longitude) using a handheld Garmin eTrex Summit GPS unit or GPS enabled software such as Microsoft *Streets & Trips*;
- locating physical wire-line attributes (such as Central Offices, Remote Terminals, CATV plant, etc.) and comparing them against provider submitted data; and
- conducting on-net and off-net speed tests using the FCC portal at <http://www.broadband.gov/qualitytest/about/> or using the Ookla Net Metrics enabled speed test utility located on each of CN's program specific websites.

Additionally, CN cross-referenced numerous public documents in order to ensure that all known broadband providers were located and contacted. This included searching membership logs from trade associations (WISPA, WCAI, PCIA, etc.), the Cable Television Fact Book, Public Utility Commission records, Public Service Commission records, Chamber of Commerce, etc.

To date, Connected Nation's staff has conducted on-site validation tests in Iowa on the following viable providers: Ace Telephone Association; Algona Municipal Utilities; Alliance Communications Cooperative, Inc.; Alpine Communications, LC; Alta Municipal Utilities; Andrew Telephone Company; Arcadia Telephone Cooperative; AT&T Inc.; Atkins Telephone Company; Ayrshire Farmers Mutual Telephone Company; Baldwin Nashville Telephone Company, Inc.; Bellevue Municipal Utilities; Bernard Telephone Company, Inc.; BEVCOMM; BissoWireless, LLC; BitWind Communications, LLC; Board of Water Electric & Communication Trustees of the City of Muscatine; Brooklyn Mutual Telecommunications Cooperative; BTWI Wireless Internet LLC; Butler-Bremer Mutual Telephone Company; Cable ONE Inc.; Casey Mutual Telephone Company; Cedar Falls Utilities; Center Junction Telephone Company; Central Scott Telephone Company, Inc.; CenturyLink; Chat Mobility; Citizens Mutual Telephone Cooperative; City of Hawarden; Clarence Telephone Company, Inc.; Clear Lake Independent Telephone Company; CML Telephone Cooperative Association of Meriden, Iowa; Colo Telephone Company; Communications 1 Network, Inc.; Community Cable Television Agency of O'Brien County; Community Digital Wireless, LLC; Community Internet Services; Complete Communication Services; Coon Creek Telecommunications Corp.; Coon Rapids Municipal Utilities; Coon Valley Co-op Telephone Association, Inc.; Cooperative Telephone Company; Cooperative Telephone Exchange; Corn Belt Telephone Company; CoxCom Inc. ; Cricket License Company, LLC; Cumberland Telephone Company; Danville Mutual Telephone Company; Dumont Telephone Company; Dunkerton Telephone Cooperative; East Buchanan Telephone Cooperative; Eastlight, LLC; Ellsworth Cooperative Telephone Association; Enventis Telecom Inc.; Everttek Enterprises; F&B Communications, Inc.; Farmers & Merchants Mutual Telephone Company; Farmers Cooperative Telephone Company-Dysart; Farmers Mutual Cooperative Telephone Company - Harlan; Farmers Mutual Cooperative Telephone Company-Moulton; Farmers Mutual Telephone Company - Jesup; Farmers Mutual Telephone Company - Nora Springs; Farmers Mutual Telephone Company of Stanton, Iowa; Farmers Telephone Company-Essex; Fenton Co-Op Telephone Company; Fiber Net Communications, L.C.; FiberComm L.C.; Frontier Communications Corporation; Goldfield Access Network, L.C.; Grand Mound Cooperative Telephone Association; Grand River Mutual Telephone Corporation; Great Lakes Communication Corp.; Griswold Cooperative Telephone Company; Grundy Center Municipal Utilities; Harlan Municipal Utilities; Harmony Telephone Company; Hawkeye Telephone Company; Heart of Iowa Communications Cooperative; Hoppers Telephone Exchange, Inc.; Hubbard Cooperative Telephone Association and Cable; Huxley Communications Cooperative; IAMO Telephone Company; ImOn Communications, LLC; IMU Network Services; Independence Telecommunications Utility; Internet Consulting Services, LLC; Interstate 35 Telephone Company; Iowa Network Services; Jab Wireless, Inc.; Jefferson Telephone Company; Kalona Cooperative Telephone Company; Keystone Farmers Cooperative Telephone Company; Killduff Telephone Company; La Motte Telephone Company, Inc.; La Porte City Telephone Co; Laurens Municipal Communications Utility; Lehigh Valley Cooperative Telephone Association; Lenox Municipal Utilities; LISCO Wireless; Loganet; Lone Rock Cooperative Telephone Company; Long Lines; Lost Nation-Elwood Telephone Company; LTD Broadband LLC; Lynnville Telephone

Company, Inc.; Mabel Cooperative Telephone Company; Manning Municipal Communication & Television System Utility; Marne & Elk Horn Telephone Company; Martelle Cooperative Telephone Association; Massena Telephone Company; Mechanicsville Telephone Company; Mediacom Communications Corporation; Mediapolis Telephone Company; MidIowa Net; Miles Cooperative Telephone Association; Milford Cable TV Inc.; Minburn Communications; Minerva Valley Telephone Cablevision, Inc.; Modern Cooperative Telephone Company Inc.; Monarc Technologies; Mutual Telephone Company; Mutual Telephone Company of Morning Sun, Iowa; New Ulm Telecom, Inc.; North English Cooperative Telephone Company; Northeast Iowa Telephone Company; Northern Iowa Telephone Company; Northwest Telephone Cooperative Association; Ogden Telephone Company; Olin Telephone Company, Inc.; Oran Mutual Telephone Company; Osage Municipal Communications Utility; Palmer Mutual Telephone Company; Palo Cooperative Telephone Association; Panora Communications Cooperative; Partner Communications Cooperative; Prairieburg Telephone Company, Inc; Premier Communications; Radcliffe Telephone Company, Inc.; Readlyn Telephone Company; Reasnor Telephone Company, LLC; Ringtel Communications; River Valley Telecommunications Coop; Rockwell Cooperative Telephone Association; Royal Telephone Company; RuralWaves Wireless Internet; Sac County Mutual Telephone Co.; Schaller Telephone Company; Scranton Telephone Company; Searsboro Telephone Company; Sharon Telephone Company; Sioux Valley Rural Television, Inc.; Siouxland Wireless, LLC; South Slope Cooperative Telephone Company; SpeedNet, LLC; Spencer Municipal Utilities; Spiral Communications LLC; Spring Grove Communications; Springville Cooperative Telephone Association, Inc.; Sprint Nextel Corporation; Sully Telephone Association Inc; Superior Telephone Cooperative; Swisher Telephone Company; Templeton Telephone Company; Terril Telephone Cooperative; Titonka Telephone Company; T-Mobile USA, Inc.; Traer Municipal Utilities; United States Cellular Corporation; USA Communications; Van Buren Telephone Co Inc; Van Horne Cooperative Telephone Company; Verizon Communications, Inc.; ViaSat, Inc.; VS Enterprises, LTD; Walnut Telephone Company; Webb Wireless, LLC; Webb-Dickens Telephone Corporation; Webster-Calhoun Cooperative Telephone Association; Wellman Cooperative Telephone Association; West Iowa Telephone Company; West Liberty Telephone Company; Western Iowa Networks; Western Iowa Telephone Association; WideOpenWest Finance, LLC; Windstream Communications; Winnebago Cooperative Telecom Association; Woolstock Mutual Telephone; and WTC Communications, Inc.

Additionally Connected Nation had previously validated 21 providers which are now considered non-viable, due to mergers and acquisitions or because they are no longer in business: Amberwave Communications; Andrew Telephone Company; Ayrshire Farmers Mutual Telephone Company; Circle Computer Resources; Clearwire; Dynamic Broadband; Goldfield Access Network, L.C.; Internet Solver, Inc.; Iowa Connect, Inc.; Iowa Telecom; Iowa Wireless Services; Kalnet; Kalona Cooperative Telephone Company; KDSC, Inc.; MidIowa Net; NetConX, Inc.; Nexgen Integrated Communications, LLC; Prairie iNet; Qwest Corporation.; Villisca Farmers Telephone Company; and West Iowa Telephone Company.

From program initiation through this reporting period, CN has completed in-the-field validation testing against 188 viable companies (out of a universe of 202 viable providers) totaling 93.07 percent within the state of Iowa. This percentage also considers the non-participating provider record submitted to NTIA as may be contained herein (see “Data Submission and Coverage Estimation of Non-Participating Provider” below).

CN has also continued to review provider datasets for accurate speed information, platform listings, and other intricacies that may fall outside of the standard SBI Data Transfer Model parameters, as included with the submission materials provided to grantees on May 29, 2014. Any providers whose submitted coverage and attributes are anticipated to come into question have been further reviewed and confirmed; details on a case-by-case basis are presented below.

Coon Rapids Municipal Communications Utility (Business Only)

Issue: Technology of transmission code 41 with maximum advertised download and upload speeds in tier 8, higher than expected value range for the technology.

Explanation: Provider confirmed that CRMU offers speed tier 8 and uses cable modems that are DOCSIS 1.0 & 2.0 at this time.

Grand Mound Cooperative Telephone Association (Business Services)

Issue: Technology of transmission code 20 with maximum advertised download and upload speeds in tier 10, higher than the expected value range for the technology.

Resolution: Provider confirmed that their business customer services are symmetrical 100 Mbps.

Farmers Mutual Telephone Company – Nora Springs

Issue: Technology of transmission code 40 with maximum advertised download speed in tier 8, lower than expected value range for the technology.

Resolution: Provider confirmed that they offer tier 8 speeds on DOCSIS 3.0.

River Valley Telecommunications Coop (Business Services)

Issue: Technology of transmission code 20 with maximum advertised download and upload speeds in tier 10, higher than the expected value range for the technology.

Resolution: Provider confirmed that their business customer services are symmetrical 100 Mbps.

Western Iowa Telephone Association (Business Services)

Issue: Technology of transmission code 20 with maximum advertised download and upload speeds in tier 10, higher than the expected value range for the technology.

Resolution: Provider confirmed that their business customer services are symmetrical 100 Mbps.

WTC Communications, Inc. (Business Services)

Issue: Technology of transmission code 20 with maximum advertised download and upload speeds in tier 10, higher than the expected value range for the technology.

Resolution: Provider confirmed that their business customer services are symmetrical 100 Mbps.

DATA SUBMISSION AND COVERAGE ESTIMATION OF NON-PARTICIPATING PROVIDER (NPP)

As part of its ongoing broadband mapping efforts, CN has developed a series of processes with the goal of submitting coverage estimation mapping data to NTIA for every known and qualifying last-mile broadband provider, regardless of platform type (cable modem, DSL, fixed wireless, etc.).

The section below provides a summary of the status of CN's outreach and findings on all non-participating provider coverage for the October 2014 SBI submission.

Rural Waves

The coverage estimation for this provider was not updated from the prior submission in April 2014. The full white paper containing the most recent coverage estimation for this provider can be found within the October 2012 submission to NTIA.

PROVIDER VALIDATION METHODOLOGY

Broadband providers maintain their service area data in many different formats, all in varying levels of complexity and granularity. In order to ensure that the data required by the NTIA is standardized across all providers and that it is as accurate as possible, CN translates and formats the data that providers are able to supply into a GIS shapefile and produces maps for the provider to review. The resulting map(s) and review process allow for providers to see their service area in a geographic format – for some providers, the SBI grant program gave them the opportunity to see maps of their broadband service area for the first time. Having the mapped service area allows providers to quickly identify any issues that appear in the data representation, whether the issue is in the data translation into a GIS format or from the original data collection and submission. Often data was provided from various sources and through the review and revision process, local engineers who operate the networks and work in the field were able to ensure that the tabular data that has been submitted is accurate and represents the real-world network extent. Any issues in how the service area is represented on the map(s) were remedied by CN, whether they were additions, removal of service, or any other revisions. Revised maps of service area representations were sent to the provider for review and approval; CN revised data and returned maps as many times as necessary until the provider was in agreement that the map represents their service area as accurately as possible. Once the review process was completed and final approval of the data was provided, the data was deemed ready for NTIA submission. However, if approval was not received from a provider in time for the submission, but CN believed the new/updated service area to be accurate, then the coverage was submitted to NTIA without final provider approval with a note regarding the situation made in the provider log.

Once the data collection has been aggregated at a statewide level, static maps of statewide and county-level availability are produced and made publicly available. In addition, consumers can visit the interactive online tool, My ConnectView, to create customized views of broadband service areas and analyze corresponding demographic information. Leveraging broadband service data on various platforms allows for public users, providers, and other stakeholders to review, scrutinize, and

provide feedback on the represented data. This feedback has been a validation method in itself, as consumers submit inquiries to CN either affirming where service is not available or identifying areas where broadband service is shown on the map, but in actuality is not available. This has allowed for a follow-up to providers regarding revisions to the data as it is represented; it also allowed CN to identify locations where on-site visits may have been necessary to complete field validation of available services. Public feedback on all forms of mapping products served as a localized validation method for provider-supplied information and allowed CN to resolve inaccuracies as they were identified to ensure that only the highest quality information is provided to stakeholders.

Additionally, non-participating provider narratives that were submitted in previous mapping cycles were subjected to the same level of scrutiny. Occasionally, a provider may have elected to voluntarily participate (thus eliminating the need for data estimation activities in the field). However, more often than not, the NPP narrative has been updated with a combination of data gleaned from the provider's website, data obtained through FCC research, and/or data collected/verified in the field by a CN staff engineer.

Estimates derived from provider-validated data indicate that approximately 1.62 percent of Iowa households do not have terrestrial fixed broadband service available, and approximately 0.01 percent of Iowa households have neither mobile nor fixed broadband service available.

Within rural areas of the state, results derived from provider-validated data indicate that approximately 2.94 percent of rural Iowa households do not have terrestrial fixed broadband service available, and approximately 0.01 percent of rural Iowa households have neither mobile nor fixed broadband service available. Please note that the availability estimates presented are based on Census 2010 household information.

The estimates above, in accordance with NTIA's definition of available broadband service as specified in the SBI NOFA, include broadband service with download speeds of at least 768 Kbps and upload speeds greater than 200 Kbps.

In addition, due to the nature of the SBI data collection methodology as defined by the NTIA and based on both census block geographic units and street segment data, the estimates of broadband availability derived from provider-validated data may include an overstatement of the actual number of households with broadband availability. Under the census block-based data collection method, a provider will typically report broadband availability for an entire census block whether its network is present across the whole or only a subset of that census block. This potential overestimation at the census block level can be amplified as the data is aggregated across the entire state.

WIRELESS METHODOLOGY

Broadband Service Availability in Provider's Service Area Wireless Services Not Provided to a Specific Address

Data solicited from a fixed wireless provider to create propagation models include, but are not limited to:

1. The name of the structure.
2. Whether the transmitting device is operational or proposed.
3. The maximum advertised downstream speed, the maximum advertised upstream speed.
4. The typical downstream speed, the typical upstream speed (peak periods for both).
5. The frequency range of spectrum being used (as prescribed by NTIA). This may include (but is not limited to) spectrum authorizations identified within the Federal Communications Commission (FCC) Universal Licensing System (ULS) database or located on the FCC's Spectrum Dashboard. This research often proves to be exceptionally effective when estimating the coverage area of an NPP.
6. The primary population center(s) being served (for geopolitical boundary reference).
7. The physical address of the transmit site (in the event latitude/longitude is unavailable from the provider this allows a quick reference point for geocoding).
8. Latitude in either Degrees, Minutes, and Seconds and/or in Decimal Degrees (typically received as NAD 27 or NAD 83).
9. Longitude in either Degrees, Minutes and Seconds and/or in Decimal Degrees (typically received as NAD 27 or NAD 83).
10. Antenna pattern (e.g. omnidirectional, 180°, 120°, 90°, etc.).
11. Azimuth of antenna (e.g. 360° with magnetic declination if known).
12. Approximate transmit radius (in feet, miles, or kilometers).
13. Polarity of transmit antenna (Vertical or Horizontal).
14. Transmit antenna gain (in dBi).
15. Line loss (applicable only to providers using coax, heliax, waveguide or other forms of cabling – excludes power-over-Ethernet devices).
16. Mechanical and/or Electrical beam tilt (if applicable).
17. Equipment Manufacturer (allows easy cross-reference against manufacturer's specification sheet).
18. Power output of the transmitting device (if unknown, FCC standards or manufacturer specifications are applied).
19. AMSL at base of tower site.
20. Antenna centerline AGL (height of antenna above ground level measured at the centerline of the actual antenna).
21. Foliage factors (Evergreens/Deciduous and percent of ground cover).
22. Ground Clutter (primarily used in rural areas to account for foliage and in metropolitan areas to account for types and heights of buildings if known).

23. Average gain of receive antenna.
24. Receive antenna is estimated at height above average terrain (HAAT) of 6.2 meters/20 feet.
25. Federal Registration Numbers (if applicable) which may allow opportunities to cross-reference and/or obtain additional data from the FCC's ULS and the **CO**mmission **RE**gistration **S**ystem.

Propagation modeling combines scientific data and empirical mathematical formulation for the characterization of radio wave propagation as a function of frequency, distance, and other conditions. Propagation software(s) typically use the Irregular Terrain Model (also known as Longley-Rice) of radio propagation for frequencies between 20 MHz and 20 GHz. This model is based on electromagnetic theory and statistical analyses of the combination of terrain features and radio measurements, then predicting the median attenuation of a radio signal as a function of distance and the variability of the signal in time and in space. For metropolitan areas, the software can typically be adjusted to use the Okumura-Hata model, which accounts for predicting the behavior of cellular transmissions in areas where buildings are the primary obstructions. The resulting product from either model depicts a graphical illustration of the theoretical propagation characteristics of a selected frequency range based on defined variables (receiver sensitivity of the home/mobile device, foliage factor, and digital elevation terrain input).

After converting propagation models into a geospatial format, additional processing is completed to remove the small pixels representing service present in the resulting dataset. These areas are initially created based on the parameters entered in the software from the provider equipment information, the underlying data parameters of elevation, hill shade, etc., and the limitations of the software itself to display a broadband service area as accurately as possible. Generally, these random pixel striations appear as a result of signal levels reaching the highest elevated points within the prescribed radius. Typically, while this pixilation anomaly shows legitimate areas where signals can be received, these highly elevated points may have exceedingly sparse populations or are entirely void of population. As a result, and congruent to the *Wireless Technology Methodologies and Business Logic* white paper submitted to NTIA on January 20, 2011, all independent pixels representing service that are less than 0.125 square miles in area have been removed from the geospatial representation of each wireless provider.

BROADBAND INQUIRIES METHODOLOGY

CN has collected consumer feedback in the form of broadband inquiries (BBIs). These inquiries represent any type of communication received from the public regarding broadband service. Once BBIs are received across the state, this information is overlaid with the broadband availability information which was collected through the SBI program. This allows for a real-world comparison of the broadband landscape to the information received from broadband inquiries. Consumers submitting these inbound comments and/or inquiries are able to provide information regarding five categories: 1) residents who do not have broadband but want it; 2) residents who have broadband

but want a different provider; 3) residents who do not have broadband, but the broadband inventory maps indicate that they do; 4) residents who have broadband but want a faster connection speed; and 5) residents who have broadband but want a less expensive service option.

BBIs are submitted frequently by consumers via the Connect Iowa website. Inquiries often seek help to identify local broadband provider options, or to learn when a specific provider may be able to provide service to that consumer. Consumer comments also provide information which may help modify maps with actual service area information. The primary objectives of CN regarding these inquiries has been 1) to improve the accuracy of the state maps with submitted consumer information and follow-up field research; 2) to provide broadband options to consumers through cooperation with mapped providers and by facilitating new broadband service options; and 3) to map and analyze information from consumers about areas of unmet broadband demand and alternatives to currently mapped services. A prime example of the second option is the utilization of the Rural Utility Service satellite eligibility tool. By simply entering the consumer's address, the CN engineer can quickly determine if the consumer meets the initial qualification status for BIP satellite subsidies.

New BBIs are assigned to either the GIS department or the Engineering & Technical Services (ETS) team depending on the category entered by the consumer on the website submission form. The GIS or ETS team members respond to each inquiry according to the information entered by the consumer. Many BBIs can be resolved through desktop research; however, if a BBI requires research in the field, the assigned ETS team member conducts such research when performing field validations in the area of the inquiry, or at another such time as is practical and appropriate. GIS and ETS team members respond to and conclude BBIs via telephone contact and/or e-mail communication.

The broadband inquiry process has been implemented in each of the CN state programs with successful results. Altogether CN has received over 19,388 broadband inquiries since 2007, allowing the state programs to evaluate each inquiry for broadband demand and data verification. These inquiries have been continuously examined against current broadband availability, updated every six months, to determine if previously unserved households have been expanded to and can now receive broadband at their residence. This database of broadband inquiries has also allowed the CN state programs to aggregate demand in concentrated areas to show providers the exact locations where the population has made it clear that they would purchase broadband if it was made available to them. Providers in the states have responded to this process and have expanded to areas knowing that their investment will be worthwhile. Data verification methods have also proven successful, as the state programs have been able to show those inquiries that indicate the broadband service areas are misrepresented on the map to providers, who then verify where service cannot reach in regard to that residence(s). The broadband coverage in these states has been altered to create a more accurate map based on the inquiries submitted by the public.

During this reporting period, the Connect Iowa project has received a total of 5 inquiries (252 grant inception to date).

MY CONNECTVIEW METHODOLOGY

My ConnectView is an interactive online mapping tool for viewing, analyzing, and validating broadband data. Developed using Esri's ArcGIS for Server and Adobe's Flex Framework and hosted and maintained by Connected Nation, My ConnectView is a multi-functional, user-friendly way for local leaders, policymakers, consumers, and technology providers to devise a plan for the expansion and adoption of broadband.

First and foremost, My ConnectView allows consumers to locate their residence and identify providers that offer broadband Internet service to that location. The interactive platform allows for users to build and evaluate broadband expansion scenarios using a wealth of data, including several coverage analysis layers, speed analyses, Community Anchor Institutions, and tools to search and export household demographic information, as well as extract data in GIS, spreadsheet, and/or PDF formats.

My ConnectView also features more interactive data layers and additional tools than ever before to allow the consumer to explore the broadband data. My ConnectView provides consumers with the ability to print, e-mail, and provide feedback on the broadband data displayed on the interactive map. Through the collection of this feedback, a visual demand for broadband is presented. This visualization allows the CN state programs the ability to validate the broadband availability for accuracy. If residents within a region state they are without broadband, but the interactive map shows otherwise, this allows CN to approach the providers within that area in an effort to trim down their coverage to more accurately represent real-world availability on the ground.

The Connect Iowa project launched My ConnectView on April 2, 2012, and has received 1,524 visits this reporting period; to date the interactive mapping application has received 13,923 visits.

SPEED TEST METHODOLOGY

The 556 speed tests that are represented in the Connect Iowa Speed Test Report during this reporting period (7,363 grant inception to date) are the result of a partnership between CN and Ookla Net Metrics. Utilizing this relationship increases the level of confidence in the data being collected and provides for a far greater sample size than could be collected by a single testing site.

Ookla owns and operates Speedtest.net, as well as develops and deploys speed tests, such as the Connect Iowa speed test website, for partners around the world. This network of sites that is developed and run on its testing technology provides Ookla with a vast dataset that, due to the variability of geographic information collected across the varying speed test sites, is geocoded utilizing Geo-IP technology. This technology allows for tests to be geocoded to points of aggregation, typically larger nodes across provider networks. While there are hundreds of thousands of tests that have been conducted, the level of aggregation is only sufficient for county-level detail due to the test results being located at these larger nodes and not at an absolute location for each speed test.

In an effort to validate broadband data from the Connect Iowa project, speed test information is collected throughout the state. Speed tests provide speed information on the path taken through all networks (a provider's network as well as additional networks) a local machine must connect to in order to reach the host test. The benefit of this collection of speed information is two-tiered. First, it allows for a comprehensive dataset of speeds, while also providing Connect Iowa with the information on where broadband services are available. Second, unlike theoretical speed information which may be received through the data collection process, the use of speed tests provide real-world information on the speeds that currently exist within the state of Iowa.

PROVIDERS DEEMED NON-VIABLE

The following list of companies represents the remainder of the broadband provider universe that was originally identified as complete for outreach to begin for the State Broadband Initiative. These providers are not included in the Data Package for the October 2014 submission because they have been deemed non-eligible under the parameters and guidance of the SBI grant program. This list of companies includes, but is not limited to: providers offering service but below the current definition of broadband, those that have gone out of business, technology consulting firms, infrastructure or network construction companies, non-facilities based general resellers that have not provided sufficient mapping information, etc.

	Company Name	URL	Comments
1	21Globe, Inc.	http://www.21globe.com/	Does not offer broadband services; not a broadband provider. Website works but not updated since December 2012.
2	360networks	http://www.360networks.com	Acquired by another company.
3	650Net	http://www.650net.net	Website references emergency food and power items.
4	A 007 Access	n/a	This company is a nonfacilities-based reseller.
5	AAA Internet Service	http://aaainter.net/dsl	Dial-up service with nonfacilities-based DSL.
6	Aaccess Network Communications	n/a	This company is not a broadband provider.
7	Access Media 3, Inc.	n/a	This company has no service offerings in Iowa.
8	ACERX.NET	http://acerx.net	Nonfacilities-based reseller of national and regional broadband companies with cable, DSL, and mobile wireless applications.
9	Affinity Wireless Solutions, LLC	n/a	This company was acquired by KeyOn Communications.
10	Airespring, Inc.	http://www.airespring.com/	This company is a nonfacilities-based reseller.
11	Airewaves Broadband, LLC	www.airewaves.com	Airewaves website is an audio-based web service; domain is listed as for sale.
12	AirNet	n/a	This company is no longer in business.
13	American Relay	n/a	This company is not a broadband provider.
14	Arrowheadnet.com	n/a	This company is not a broadband provider.

15	Aventure Communications	n/a	Acquired by another company.
16	Bannon Communications	n/a	This company is not a broadband provider.
17	bargainisp.net	n/a	This company is not a broadband provider.
18	Barnes City Cooperative Telephone Company	n/a	This company is not a broadband provider.
19	Bel-Net Network Services	n/a	This company is no longer in business.
20	Broadband National	http://www.broadbandnational.com/	Nonfacilities-based reseller of national and regional broadband companies offering residential/business cable and DSL services.
21	BTC	n/a	This company was acquired by Western Iowa Networks.
22	Cable Television	n/a	This company is no longer in business.
23	Calhoun County Electric Co-Op	n/a	This company is not a broadband provider.
24	Camino-Net Internet Services	http://www.camino-net.com	Website is redirected to http://www.mytechproservices.com/ offering ancillary (not broadband) services.
25	Cannon Valley Telecom, Inc.	n/a	This company does business in MN.
26	Celito Communications	n/a	This company has no service offerings in Iowa.
27	cFree Wireless Network	n/a	This company is no longer in business.
28	CFY-CyberNet	n/a	This company is doing business as Cedar Falls Utilities.
29	City of Brookings Telephone Fund	http://www.swiftel.net/	This company is a nonfacilities-based reseller of Sprint.

30	Cleartouch.Com	n/a	This company is no longer in business.
31	Com Link	n/a	This company is no longer in business.
32	Comelec Services, Inc.	n/a	Acquired by another company.
33	CommSpeed Iowa, L.L.C.	n/a	This company was acquired by SpeedNet, LLC.
34	Community Internet Service	n/a	This company is no longer in business.
35	Covad Communications	n/a	This company has no service offerings in Iowa.
36	CyberStorm Wireless	n/a	This company is no longer in business.
37	Deltaforce	n/a	This company is not a broadband provider.
38	deluxehost.com	http://deluxe-host.com	Company delivers web hosting services.
39	DGUI	n/a	This company is no longer in business.
40	Dial National	n/a	This company is no longer in business.
41	Dialer.net	www.dialer.net	England-based, international pay-as-you-go mobile wireless and hot spot reseller.
42	Digital Telecommunications, Inc.	n/a	This company is no longer in business.
43	DSL @ Interlync	http://www.interlync.com/	This company is a nonfacilities-based reseller.
44	DTS-NET.COM	http://www.dts-net.com/	Web-hosting and non-facilities based reseller.
45	Dura Cable	n/a	This company is not a broadband provider.

46	EarthLink Business	http://www.earthlinkbusiness.com/	This company is a nonfacilities-based reseller.
47	Fast Dependable Access	n/a	This company is no longer in business.
48	Forbin Wireless	http://www.forbin.net/	This company offers service but it is below the FCC definition of broadband.
49	fyreSTORM Wireless	n/a	This company is no longer in business.
50	Global Crossing Telecommunications, Inc.	http://www.globalcrossing.com	Acquired by another company.
51	Hubwest	n/a	This company is not a broadband provider.
52	Hubwest Protected Networks LLC	n/a	This company is not a broadband provider.
53	I Spot ACCESS	n/a	This company is not a broadband provider.
54	IMGISP.NET	http://www.imgisp.net/	Domain name is for sale.
55	Incredible Networks	www.incredible-networks.com	Incredible Networks is an independent network engineering services business based in Adelaide Australia.
56	Indianola Municipal Utilities	n/a	This company is not a broadband provider.
57	Inercom Communications, Inc.	n/a	This company is no longer in business.
58	Interactiveinfo.com Inc.	n/a	This company does business in New York and has no service offerings in Iowa.

59	Inter-County Cable Company	n/a	This company is doing business as Brooklyn Mutual Telecommunications Cooperative.
60	Interlink LC	n/a	This company is no longer in business.
61	Iowa Cable and Telecommunications Association	n/a	This company is not a broadband provider.
62	Iowa City Telecommunications	n/a	This company is not a broadband provider.
63	Iowa Connect, Inc.	http://www.iowaconnect.com/	Acquired by another company.
64	IowaOne.net	n/a	This company is no longer in business.
65	IPNS	n/a	This company does business in Oregon and has no service offerings in Iowa.
66	iRadical	n/a	Could not locate any information on company.
67	i-rule.net	n/a	This company is no longer in business.
68	ISPartner.net	n/a	Could not locate any information on company.
69	Jenco Speed Web	n/a	This company offers fixed wireless in Ohio and has no service offerings in Iowa.
70	Kalnet	n/a	This company is no longer in business.
71	Knology of the Plains, Inc.	http://www.knology.com/	Acquired by another company.
72	LCSisp.com	http://www.lcsisp.com/index.cfm	Website no longer in service.
73	LightEdge Solutions, Inc.	n/a	This company is not a broadband provider.
74	Lightyear Network Solutions, LLC	http://lightyear.net/	This company is a nonfacilities-based reseller.

75	Local Link	n/a	This company has no service offerings in Iowa.
76	Longview Communications	n/a	This company has no service offerings in Iowa.
77	MainBoard	http://www.mainboard.cc/internet.htm	Website no longer in service.
78	Maine Cable and Wireless	http://www.maineableandwireless.com	Could not locate any information on company. Redirects to a "coming soon" website for Maine Culinary Workshop.
79	Manilla Telephone Company	n/a	This company was acquired by Farmers Mutual Telephone Cooperative of Harlan, IA.
80	Maple Leaf Networks	n/a	This company has no service offerings in Iowa.
81	Marcin Company	n/a	No longer in business; phone and website are both inactive.
82	Metropolitan Telecommunications Holding Company	n/a	This company is a nonfacilities-based reseller.
83	MFW Cable	n/a	This company is not a broadband provider.
84	Millenicom Inc.	http://www.millenicom.com/	Reseller of 3G and 4G mobile wireless services.
85	Nanomega.Com	www.nanomega.com	Website is listed on Go-Daddy as for sale.
86	NetAccess, Inc.	http://www.nas.net/	Canadian based ISP; does not offer service in U.S.
87	Netconnect	http://www.n-connect.net/	Acquired by another company.
88	NetConX, Inc.	http://www.netconx.net/wireless.shtml	Acquired by another company.
89	NetSpeed Online	http://www.netspeed-online.net	Website no longer in service.

90	New Century Telecommunications	n/a	This company is not a broadband provider.
91	New Edge Network, Inc.	n/a	Acquired by another company.
92	Northwest Internet Services	n/a	This company has no service offerings in Iowa.
93	Northwest ISP	n/a	This company is no longer in business.
94	One Communications Corporation	n/a	Acquired by another company.
95	Oneota Net	http://www.oneota.net/wirelessdsl.shtml	This company offers service but it is below the FCC definition of broadband.
96	OpenCom, Inc.	n/a	This company is a nonfacilities-based reseller.
97	OrbitCom, Inc.	n/a	This company is a nonfacilities-based reseller.
98	Overarch Broadband	n/a	This company has no service offerings in Iowa.
99	Pacific Internet Exchange	http://www.pie.us/	Website is for sale.
100	PAETEC Communications, Inc.	http://www.paetec.com/	Acquired by another company.
101	Prairie Communication	n/a	This company is no longer in business.
102	Prairie Fire Internet	n/a	This company is no longer in business.
103	Prairie iNet	http://www.prairieinet.net/	Acquired by another company.
104	PremoWeb	http://www.premoweb.com/about_us/contact_us.html	Website no longer in service.
105	Professional Computer Solutions	http://www.pcsia.net	This company offers service but it is below the FCC definition of broadband.

106	Quad-Cities Online Broadband Plus	n/a	This company is not a broadband provider.
107	RACOM	n/a	This company is not a broadband provider.
108	Rankin Communication Systems	n/a	This company is not a broadband provider.
109	RockRapids.net	n/a	This company is not a broadband provider.
110	S & S Wireless Internet	n/a	This company is no longer in business.
111	Siebring-Kruss Wireless	n/a	This company is no longer in business.
112	Simply Dialup A Metrogeek Company	http://www.simplydialup.com	Dial-up services and general reseller of DSL, satellite and cable modem.
113	SIRIS	n/a	This company is not a broadband provider.
114	Sling Broadband	n/a	This company has no service offerings in Iowa.
115	Sparkplug Central, Inc.	n/a	This company was acquired by Airband Communications.
116	Speakeasy DSL	n/a	This company is a backhaul provider and a general reseller of DSL; part of a 2010 merger between Covad, Megapath, and Speakeasy.
117	State Wireless	n/a	This company is not a broadband provider.
118	Support Corps of America	n/a	This company is no longer in business.
119	Surferz.Net	http://www.surferz.net	Website manager and developer.
120	T1 Shopper	http://www.t1shopper.com/	This company is not a broadband provider.

121	Total Access Networks, Inc.	http://www.totalaccess.net	Website no longer in service.
122	TRX, Inc.	n/a	This company is not a broadband provider.
123	TSISP.NET	www.tsisp.net	Website no longer in service.
124	Twin Rivers Valley	n/a	This company is no longer in business.
125	United Western Net	n/a	This company is no longer in business.
126	UNUM Telecommunications, Inc.	n/a	This company is no longer in business.
127	VPM Global Internet Services, Inc.	n/a	This company is a nonfacilities-based reseller.
128	WiTel Communications, LLC	n/a	This company was acquired by Level 3 Communications.
129	Wireless Roanoke, Inc.	n/a	This company is no longer in business.
130	wisbin	http://www.wisbin.com	Reseller of DSL Internet service in Wisconsin.
131	WispAir	n/a	This company is no longer in business.
132	www.AmericanAngel.us	http://www.americanangel.us	Website no longer in service.
133	YEYZOO.NET	http://t1.vedy.net	Appears to no longer be in business.
134	YLISP (Your Local ISP)	http://www.itsyournet.com	Redirects to https://www.securepaynet.net - website and indicates for sale.
135	YourT1Wifi.com	n/a	This company has no service offerings in Iowa.

APPENDIX A: BROADBAND PROVIDER LOG



Broadband Provider Log

Complete	411
Non-Responsive/Refused	0
In Progress	1
Reseller Providing Data	4
Count of Datasets by Status	416
Total Unique Providers Represented	204

Provider Name	Platform	Status	NDA Execution Date	Notes	End User Category
Ace Telephone Association	Fixed Wireless	Data Added to Statewide Inventory	3/8/2010	[JUL-24-14 Matthew Brunt] Change: Provider changed their name and DBA to AcenTek.	5 Both Residential/Business
Ace Telephone Association	DSL	Data Added to Statewide Inventory	3/8/2010	[JUL-24-14 Matthew Brunt] Change: Provider changed their name and DBA to AcenTek.	2 Business Only
Ace Telephone Association	DSL	Data Added to Statewide Inventory	3/8/2010	[JUL-24-14 Matthew Brunt] Change: Provider changed their name and DBA to AcenTek.	1 Residential Only
Alpine Communications, LC	DSL	Data Added to Statewide Inventory	2/24/2010	[AUG-27-14 Matthew Brunt] Change: Provider expanded their DSL coverage area.	5 Both Residential/Business
AT&T Inc.	Mobile Wireless	Data Added to Statewide Inventory	12/16/2009	[AUG-14-14 Matthew Brunt] Change: Provider expanded their mobile wireless coverage area.	5 Both Residential/Business
Be Line Wireless	Fixed Wireless	Data Added to Statewide Inventory	1/15/2013	[JUL-24-14 Matthew Brunt] Change: Provider expanded their coverage with the addition of new fixed wireless towers.	5 Both Residential/Business
BTWI Wireless Internet LLC	Fixed Wireless	Data Added to Statewide Inventory		[SEP-15-14 Matthew Brunt] Correction: Provider's coverage was decreased in portions of their coverage area to more accurately represent their fixed wireless coverage.	5 Both Residential/Business
Cascade Communications Company	Fiber	Data Added to Statewide Inventory	1/23/2010	[JUL-29-14 Matthew Brunt] Change: Provider expanded fiber coverage area and upgraded speeds to tier 10 download and upload.	5 Both Residential/Business
Cascade Communications Company	DSL	Data Added to Statewide Inventory	1/23/2010	[AUG-04-14 Matthew Brunt] Change: Provider converted a portion of their DSL coverage over to fiber.	5 Both Residential/Business
CenturyLink	DSL	Data Added to Statewide Inventory	12/4/2009	[AUG-18-14 Matthew Brunt] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for October 2014 submission.	5 Both Residential/Business
CenturyLink	Fiber	Data Added to Statewide Inventory	12/4/2009	[AUG-18-14 Matthew Brunt] Change: Provider expanded their fiber coverage area.	5 Both Residential/Business
Chat Mobility	Mobile Wireless	Data Added to Statewide Inventory	1/19/2010	[JUL-17-14 Matthew Brunt] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for October 2014 submission.	5 Both Residential/Business
Citizens Mutual Telephone Cooperative	DSL	Data Added to Statewide Inventory	2/26/2010	[AUG-27-14 Matthew Brunt] Change: Provider converted a portion of their DSL coverage over to fiber.	5 Both Residential/Business
Citizens Mutual Telephone Cooperative	Fiber	Data Added to Statewide Inventory	2/26/2010	[AUG-27-14 Matthew Brunt] Change: Provider expanded their fiber coverage area.	5 Both Residential/Business
Cogent Communications, Inc.	Fiber	Data Added to Statewide Inventory		[AUG-28-14 Matthew Brunt] Correction: This is the initial fiber submission for this provider who was previously in service.	2 Business Only
Community Internet Services	Fixed Wireless	Data Added to Statewide Inventory		[SEP-15-14 Matthew Brunt] Correction: This is the initial submission for this provider, but they previously offered services in Iowa.	5 Both Residential/Business
Cricket License Company, LLC	Mobile Wireless	Data Added to Statewide Inventory	4/6/2010	[AUG-08-14 Matthew Brunt] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for October 2014 submission.	5 Both Residential/Business
Enventis Telecom Inc.	DSL	Data Added to Statewide Inventory	2/2/2010	[SEP-11-14 Matthew Brunt] Change and Correction: Provider expanded DSL coverage in a portion of their service area, while also decreasing DSL coverage in other portions of their service area.	1 Residential Only
Frontier Communications Corporation	DSL	Data Added to Statewide Inventory	1/22/2010	[AUG-22-14 Matthew Brunt] Change: Provider expanded their DSL coverage area.	5 Both Residential/Business
Grand Mound Cooperative Telephone Association	Fiber	Data Added to Statewide Inventory		[AUG-28-14 Matthew Brunt] Change: Provider expanded their fiber coverage area.	1 Residential Only
Grand Mound Cooperative Telephone Association	Fiber	Data Added to Statewide Inventory		[AUG-28-14 Matthew Brunt] Change: Provider expanded their fiber coverage area.	2 Business Only
Great Lakes Communication Corp.	Fixed Wireless	Data Added to Statewide Inventory	4/25/2013	[AUG-26-14 Matthew Brunt] Change: Provider discontinued service to one of their fixed wireless towers.	5 Both Residential/Business
IAMO Telephone Company	Fiber	Data Added to Statewide Inventory	1/25/2010	[JUL-17-14 Matthew Brunt] Change: Provider expanded their fiber coverage area and upgraded their speeds to tier 10 download and tier 10 upload.	5 Both Residential/Business
Jab Wireless, Inc.	Fixed Wireless	Data Added to Statewide Inventory	6/14/2010	[JUL-25-14 Matthew Brunt] Change: Provider decreased their coverage, adjusting signal levels depending on where more customers are located.	5 Both Residential/Business
Kalona Cooperative Telephone Company	Fiber	Data Added to Statewide Inventory	1/20/2010	[AUG-27-14 Matthew Brunt] Change: Provider converted all of their DSL coverage area over to fiber.	5 Both Residential/Business
Level 3 Communications, LLC	Fiber	Data Added to Statewide Inventory	12/14/2009	[AUG-25-14 Matthew Brunt] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for October 2014 submission.	2 Business Only
Marne & Elk Horn Telephone Company	DSL	Data Added to Statewide Inventory	2/11/2010	[AUG-21-14 Matthew Brunt] Change: Provider converted a portion of their DSL coverage area over to fiber.	5 Both Residential/Business
Marne & Elk Horn Telephone Company	Fiber	Data Added to Statewide Inventory	2/11/2010	[AUG-21-14 Matthew Brunt] Change: Provider expanded their fiber coverage area.	5 Both Residential/Business

Mediacom Communications Corporation	Cable	Data Added to Statewide Inventory	1/12/2010	[AUG-21-14 Matthew Brunt] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for October 2014 submission.	1 Residential Only
Minburn Communications	Fiber	Data Added to Statewide Inventory	4/7/2010	[AUG-28-14 Matthew Brunt] Change: Provider expanded their fiber coverage area.	5 Both Residential/Business
Minburn Communications	Fixed Wireless	Data Added to Statewide Inventory	4/7/2010	[AUG-21-14 Matthew Brunt] Change: Provider expanded their fixed wireless coverage area.	5 Both Residential/Business
Minburn Communications	Fiber	Data Added to Statewide Inventory	4/7/2010	[AUG-21-14 Matthew Brunt] Change: Provider expanded their fiber coverage area.	5 Both Residential/Business
Minerva Valley Telephone Cablevision, Inc.	Fiber	Data Added to Statewide Inventory	4/7/2010	[JUL-24-14 Matthew Brunt] Change: Provider started offering fiber in a portion of their coverage area.	5 Both Residential/Business
Northeast Iowa Telephone Company	Fixed Wireless	Data Added to Statewide Inventory	4/13/2010	[JUL-24-14 Matthew Brunt] Change: Provider expanded their coverage with the additional of a new fixed wireless tower.	5 Both Residential/Business
Northeast Iowa Telephone Company	Fiber	Data Added to Statewide Inventory	4/13/2010	[JUL-17-14 Matthew Brunt] Change: Provider expanded their fiber coverage area.	5 Both Residential/Business
Northwest Telephone Cooperative Association	Fixed Wireless	Data Added to Statewide Inventory	2/17/2010	[AUG-28-14 Matthew Brunt] Change: Provider expanded their fixed wireless coverage area.	1 Residential Only
Northwest Telephone Cooperative Association	Fixed Wireless	Data Added to Statewide Inventory	2/17/2010	[AUG-28-14 Matthew Brunt] Change: Provider expanded their fixed wireless coverage area.	2 Business Only
Panora Communications Cooperative	Fixed Wireless	Data Added to Statewide Inventory	1/29/2010	[SEP-04-14 Matthew Brunt] Change: Provider expanded their fixed wireless coverage and updated their speeds to tier 5 download and tier 3 upload.	5 Both Residential/Business
Prairieburg Telephone Company, Inc	Fixed Wireless	Data Added to Statewide Inventory	3/25/2010	[AUG-21-14 Matthew Brunt] Change: Provider expanded their fixed wireless coverage area.	5 Both Residential/Business
Premier Communications	Cable	Data Added to Statewide Inventory	1/25/2010	[AUG-27-14 Matthew Brunt] Change: Provider stopped offering cable service in a portion of their coverage area.	2 Business Only
Premier Communications	Cable	Data Added to Statewide Inventory	1/25/2010	[AUG-27-14 Matthew Brunt] Change: Provider stopped offering cable service in a portion of their coverage area.	1 Residential Only
South Slope Cooperative Telephone Company	Fiber	Data Added to Statewide Inventory	2/2/2010	[SEP-09-14 Matthew Brunt] Change: Provider expanded their fiber coverage area.	5 Both Residential/Business
Spencer Municipal Utilities	Fiber	Data Added to Statewide Inventory	2/18/2010	[AUG-27-14 Matthew Brunt] Change: Provider expanded their fiber coverage area.	5 Both Residential/Business
Sprint Nextel Corporation	Mobile Wireless	Data Added to Statewide Inventory	1/14/2010	[AUG-11-14 Matthew Brunt] Change: Provider expanded their mobile wireless coverage area.	5 Both Residential/Business
T-Mobile USA, Inc.	Mobile Wireless	Data Added to Statewide Inventory	1/8/2010	[AUG-12-14 Matthew Brunt] Change: Provider expanded their mobile wireless coverage area.	5 Both Residential/Business
Traer Municipal Utilities	Fixed Wireless	Data Added to Statewide Inventory	4/14/2010	[JUL-17-14 Matthew Brunt] Change: Provider added an additional tower, and upgraded speeds to tier 5 download and tier 5 upload across their coverage area.	5 Both Residential/Business
Verizon Communications, Inc.	Mobile Wireless	Data Added to Statewide Inventory	12/14/2009	[AUG-18-14 Matthew Brunt] Change: Provider expanded their mobile wireless coverage.	5 Both Residential/Business
ViaSat, Inc.	Satellite	Data Added to Statewide Inventory	1/8/2010	[AUG-18-14 Matthew Brunt] Change: Provider started offering tier 5 download and tier 3 upload.	1 Residential Only
West Iowa Telephone Company	Fiber	Data Added to Statewide Inventory	1/27/2010	[AUG-27-14 Matthew Brunt] Change: Provider expanded their fiber coverage area.	5 Both Residential/Business
Windstream Communications	DSL	Data Added to Statewide Inventory		[AUG-20-14 Matthew Brunt] Changes and/or Corrections: Possible service expansion or corrections to previous dataset; entirely new dataset provided for October 2014 submission.	1 Residential Only
Winnebago Cooperative Telecom Association	Fiber	Data Added to Statewide Inventory	1/22/2010	[AUG-28-14 Matthew Brunt] Change: Provider expanded their fiber coverage area.	5 Both Residential/Business
Winnebago Cooperative Telecom Association	DSL	Data Added to Statewide Inventory	1/22/2010	[AUG-28-14 Matthew Brunt] Change: Provider converted a portion of their DSL coverage area over to fiber.	5 Both Residential/Business
Ace Telephone Association	Backhaul	Backhaul Provider Only Processing Complete	3/8/2010		N/A Backhaul
Bellevue Municipal Utilities	Fiber	Speed Only Update; Data Processing Complete	5/20/2010	[AUG-13-14 Matthew Brunt] Change: Provider upgraded their speeds to tier 7 download and upload.	5 Both Residential/Business
Bernard Telephone Company, Inc.	Fiber	Speed Only Update; Data Processing Complete	5/19/2010	[JUL-29-14 Matthew Brunt] Change: Provider upgraded their fiber speeds to tier 5 upload.	5 Both Residential/Business
Cable ONE Inc.	Cable	Speed Only Update; Data Processing Complete	12/7/2009	[AUG-14-14 Matthew Brunt] Change: Provider upgraded their speeds to tier 6 upload.	5 Both Residential/Business
Casey Mutual Telephone Company	DSL	Speed Only Update; Data Processing Complete	5/3/2010	[JUN-23-14 Matthew Brunt] Change: Provider upgraded speeds to tier 7 download.	5 Both Residential/Business
CML Telephone Cooperative Association of Meriden, Iowa	Fiber	Speed Only Update; Data Processing Complete	1/25/2010	[JUN-06-14 Matthew Brunt] Change: Provider upgraded speeds to tier 10 download and tier 10 upload.	5 Both Residential/Business
Colo Telephone Company	Fiber	Speed Only Update; Data Processing Complete	1/28/2010	[AUG-29-14 Matthew Brunt] Change: Provider upgraded their speeds to tier 10 download and tier 8 upload.	5 Both Residential/Business
Colo Telephone Company	Fiber	Speed Only Update; Data Processing Complete	1/28/2010	[AUG-13-14 Matthew Brunt] Change: Provider upgraded their speeds to tier 10 download and tier 8 upload.	5 Both Residential/Business
Dumont Telephone Company	Fiber	Speed Only Update; Data Processing Complete	2/25/2010	[JUN-05-14 Matthew Brunt] Change: Provider upgraded their speeds to tier 10 download and upload.	5 Both Residential/Business
Dumont Telephone Company	Cable	Speed Only Update; Data Processing Complete	2/25/2010	[JUN-05-14 Matthew Brunt] Change: Provider upgraded their upload speeds to tier 5.	5 Both Residential/Business
Farmers Mutual Cooperative Telephone Company-Moulton	Fiber	Speed Only Update; Data Processing Complete	5/21/2010	[JUN-09-14 Matthew Brunt] Change: Provider upgraded their speeds to tier 10 download and tier 10 upload.	5 Both Residential/Business
Griswold Cooperative Telephone Company	DSL	Speed Only Update; Data Processing Complete	4/21/2010	[JUN-05-14 Matthew Brunt] Change: Provider upgraded their speeds to tier 8 download and tier 7 upload.	5 Both Residential/Business
Harlan Municipal Utilities	Cable	Speed Only Update; Data Processing Complete	5/5/2010	[AUG-29-14 Matthew Brunt] Correction: Provider lowered their residential cable speeds to tier 4 upload.	1 Residential Only
Harlan Municipal Utilities	Cable	Speed Only Update; Data Processing Complete	5/5/2010	[AUG-29-14 Matthew Brunt] Correction: Provider reduced their business cable speeds to tier 9 download and tier 4 upload.	2 Business Only

Hawkeye Telephone Company	DSL	Speed Only Update; Data Processing Complete	2/12/2010	[AUG-13-14 Matthew Brunt] Change: Depending on the location in their coverage area, the provider upgraded their speeds to tier 6 download and tier 3 upload; tier 7 download and tier 5 upload; or tier 10 download and tier 5 upload.	5 Both Residential/Business
Interstate 35 Telephone Company	Fiber	Speed Only Update; Data Processing Complete	2/2/2010	[JUN-12-14 Matthew Brunt] Change: Provider upgraded speeds to tier 10 download and tier 9 upload.	5 Both Residential/Business
Interstate 35 Telephone Company	Fiber	Speed Only Update; Data Processing Complete	2/2/2010	[JUN-12-14 Matthew Brunt] Change: Provider upgraded speeds to tier 10 download and tier 9 upload.	5 Both Residential/Business
La Motte Telephone Company, Inc.	DSL	Speed Only Update; Data Processing Complete	2/16/2010	[SEP-05-14 Matthew Brunt] Correction: Provider adjusted their speeds to tier 5 download and tier 2 upload.	1 Residential Only
La Motte Telephone Company, Inc.	Fiber	Speed Only Update; Data Processing Complete	2/16/2010	[SEP-05-14 Matthew Brunt] Correction: Provider adjusted their fiber upload speeds to tier 3.	1 Residential Only
La Motte Telephone Company, Inc.	Fixed Wireless	Speed Only Update; Data Processing Complete	2/16/2010	[SEP-05-14 Matthew Brunt] Change: Provider increased their speeds to tier 5 download.	1 Residential Only
Lehigh Valley Cooperative Telephone Association	Fiber	Speed Only Update; Data Processing Complete	4/16/2010	[AUG-13-14 Matthew Brunt] Change: Provider upgraded their speeds to tier 8 download and tier 5 upload.	5 Both Residential/Business
LISCO Wireless	Fiber	Speed Only Update; Data Processing Complete	1/28/2010	[JUN-06-14 Matthew Brunt] Change: Provider upgraded a portion of their fiber coverage to tier 11 download and upload.	5 Both Residential/Business
Lost Nation-Elwood Telephone Company	Fiber	Speed Only Update; Data Processing Complete	4/13/2010	[JUL-17-14 Matthew Brunt] Change: Provider upgraded their fiber speeds to tier 7 download and tier 7 upload.	5 Both Residential/Business
Mutual Telephone Company	Fiber	Speed Only Update; Data Processing Complete	1/25/2010	[AUG-13-14 Matthew Brunt] Change: Provider upgraded their speeds to tier 9 download and tier 4 upload.	1 Residential Only
New Ulm Telecom, Inc.	DSL	Speed Only Update; Data Processing Complete	3/10/2010	[JUL-17-14 Matthew Brunt] Change: Provider supplied business only speeds of tier 8 download and tier 5 upload for portions of their DSL coverage area.	2 Business Only
Northern Iowa Telephone Company	Fiber	Speed Only Update; Data Processing Complete	1/25/2010	[AUG-21-14 Matthew Brunt] Change: Provider upgraded their residential fiber speeds to tier 9 download and tier 4 upload.	1 Residential Only
Ogden Telephone Company	DSL	Speed Only Update; Data Processing Complete	3/17/2010	[AUG-13-14 Matthew Brunt] Correction: Provider updated their upload speeds from tier 4 to tier 3.	1 Residential Only
Osage Municipal Communications Utility	Cable	Speed Only Update; Data Processing Complete	5/18/2010	[SEP-11-14 Matthew Brunt] Change: Provider upgraded their speeds to tier 10 download and tier 8 upload.	5 Both Residential/Business
Panora Communications Cooperative	Fiber	Speed Only Update; Data Processing Complete	1/29/2010	[AUG-29-14 Matthew Brunt] Change: Provider upgraded their speeds to tier 10 download and tier 7 upload, and changed their End User Category to 5.	5 Both Residential/Business
Panora Communications Cooperative	Fiber	Speed Only Update; Data Processing Complete	1/29/2010	[AUG-13-14 Matthew Brunt] Change: Provider upgraded their speeds to tier 10 download and tier 7 upload.	5 Both Residential/Business
Premier Communications	Fiber	Speed Only Update; Data Processing Complete	1/25/2010	[AUG-26-14 Matthew Brunt] Change: Provider upgraded their residential fiber speeds to tier 9 download and tier 4 upload.	1 Residential Only
Readlyn Telephone Company	DSL	Speed Only Update; Data Processing Complete	2/23/2010	[AUG-26-14 Matthew Brunt] Change: Provider upgraded their DSL speeds to tier 6 download and tier 3 upload.	5 Both Residential/Business
Readlyn Telephone Company	Fiber	Speed Only Update; Data Processing Complete	2/23/2010	[AUG-26-14 Matthew Brunt] Change: Provider upgraded their fiber speeds to tier 8 download and tier 5 upload.	1 Residential Only
Readlyn Telephone Company	Fiber	Speed Only Update; Data Processing Complete	2/23/2010	[AUG-27-14 Matthew Brunt] Change: Provider offers fiber business speeds of tier 8 download and tier 5 upload, in the same area as residential coverage.	2 Business Only
River Valley Telecommunications Coop	DSL	Speed Only Update; Data Processing Complete	3/23/2010	[AUG-26-14 Matthew Brunt] Change: Provider upgraded their DSL speeds to tier 9 download and tier 7 upload.	1 Residential Only
River Valley Telecommunications Coop	Fixed Wireless	Speed Only Update; Data Processing Complete	3/23/2010	[AUG-26-14 Matthew Brunt] Change: Provider upgraded their fixed wireless speeds to tier 7 download and tier 5 upload.	5 Both Residential/Business
Rockwell Cooperative Telephone Association	Fiber	Speed Only Update; Data Processing Complete	5/12/2010	[OCT-15-14 Ashley Hitt] Correction: Provider has upgraded speeds to tier 5 download and upload.	5 Both Residential/Business
Royal Telephone Company	Fiber	Speed Only Update; Data Processing Complete	2/12/2010	[AUG-21-14 Matthew Brunt] Change: Provider upgraded their speeds to tier 9 download and tier 7 upload in a small portion of their coverage area.	5 Both Residential/Business
Scranton Telephone Company	DSL	Speed Only Update; Data Processing Complete	2/1/2010	[JUN-05-14 Matthew Brunt] Change: Provider upgraded their speeds to tier 8 download and tier 7 upload.	5 Both Residential/Business
Spring Grove Communications	Fiber	Speed Only Update; Data Processing Complete		[AUG-13-14 Matthew Brunt] Change: Provider upgraded their speeds to tier 9 download and tier 7 upload.	5 Both Residential/Business
Superior Telephone Cooperative	DSL	Speed Only Update; Data Processing Complete	5/24/2010	[JUN-12-14 Matthew Brunt] Change: Provider upgraded their speeds to tier 7 download and tier 5 upload.	5 Both Residential/Business
Terril Telephone Cooperative	DSL	Speed Only Update; Data Processing Complete	2/12/2010	[AUG-27-14 Matthew Brunt] Change: Provider started offering speeds of tier 9 download and tier 7 upload in a small portion of their coverage area.	5 Both Residential/Business
Webb-Dickens Telephone Corporation	Fiber	Speed Only Update; Data Processing Complete	1/25/2010	[AUG-13-14 Matthew Brunt] Change: Provider upgraded their speeds to tier 9 download and tier 4 upload.	1 Residential Only
Western Iowa Networks	Fiber	Speed Only Update; Data Processing Complete	2/22/2010	[AUG-13-14 Matthew Brunt] Change: Provider upgraded their speeds to tier 11 download and tier 11 upload.	5 Both Residential/Business
WideOpenWest Finance, LLC	Cable	Speed Only Update; Data Processing Complete		[SEP-15-14 Matthew Brunt] Change: Provider speeds updated to tier 9 download.	1 Residential Only
West Iowa Telephone Company	DSL	End User Category Update Only; Data Processing Complete	1/27/2010	[SEP-15-14 Matthew Brunt] Change: Provider changed their End User Category to 5.	5 Both Residential/Business
RuralWaves Wireless Internet	Fixed Wireless	No Update-Estimated Coverage Submitted for Non-Participating Provider			1 Residential Only

Farmers Telephone Company - Batavia	DSL	Approval for Update Not Received – Data Still Submitted		[SEP-23-14 Ashley Hitt] Change: Provider offers broadband speeds as of March 2014; previously had a max download speed of only 384 Kbps.	1 Residential Only
Sioux Valley Rural Television, Inc.	Fixed Wireless	Approval for Update Not Received – Data Still Submitted	6/7/2010	[JUL-17-14 Matthew Brunt] Correction: Provider decreased the size of their coverage area.	5 Both Residential/Business
Algona Municipal Utilities	Cable	No Update to Provide	2/9/2010		5 Both Residential/Business
Algona Municipal Utilities	Fiber	No Update to Provide	2/9/2010		5 Both Residential/Business
Alliance Communications Cooperative, Inc.	Backhaul	No Update to Provide	1/28/2010		N/A Backhaul
Alliance Communications Cooperative, Inc.	Fiber	No Update to Provide	1/28/2010		5 Both Residential/Business
Alpine Communications, LC	Fiber	No Update to Provide	2/24/2010		5 Both Residential/Business
Alta Municipal Utilities	Cable	No Update to Provide	5/18/2010		5 Both Residential/Business
Arcadia Telephone Cooperative	DSL	No Update to Provide	5/6/2010		5 Both Residential/Business
AT&T Inc.	Backhaul	No Update to Provide	12/16/2009		N/A Backhaul
Ayrshire Farmers Mutual Telephone Company	Fixed Wireless	No Update to Provide	2/17/2010		5 Both Residential/Business
Ayrshire Farmers Mutual Telephone Company	DSL	No Update to Provide	2/17/2010		5 Both Residential/Business
Baldwin Nashville Telephone Company, Inc.	Fiber	No Update to Provide	2/3/2010		5 Both Residential/Business
Bernard Telephone Company, Inc.	Backhaul	No Update to Provide	5/19/2010		N/A Backhaul
Bernard Telephone Company, Inc.	Fixed Wireless	No Update to Provide	5/19/2010		5 Both Residential/Business
BEVCOMM	DSL	No Update to Provide	6/16/2010		5 Both Residential/Business
BissoWireless LLC	Fixed Wireless	No Update to Provide	2/12/2014		5 Both Residential/Business
BitWind Communications, LLC	Fixed Wireless	No Update to Provide			5 Both Residential/Business
Board of Water Electric & Communication Trustees of the City of Muscatine	Fixed Wireless	No Update to Provide	5/14/2010		5 Both Residential/Business
Board of Water Electric & Communication Trustees of the City of Muscatine	Cable	No Update to Provide	5/14/2010		1 Residential Only
Board of Water Electric & Communication Trustees of the City of Muscatine	Fiber	No Update to Provide	5/14/2010		5 Both Residential/Business
Board of Water Electric & Communication Trustees of the City of Muscatine	Cable	No Update to Provide	5/14/2010		2 Business Only
Butler-Bremer Mutual Telephone Company	Backhaul	No Update to Provide	4/20/2010		N/A Backhaul
Butler-Bremer Mutual Telephone Company	DSL	No Update to Provide	4/20/2010		5 Both Residential/Business
Butler-Bremer Mutual Telephone Company	Fiber	No Update to Provide	4/20/2010		5 Both Residential/Business
Butler-Bremer Mutual Telephone Company	Cable	No Update to Provide	4/20/2010		5 Both Residential/Business
Casey Mutual Telephone Company	Backhaul	No Update to Provide	5/3/2010		N/A Backhaul
Cedar Falls Utilities	Fiber	No Update to Provide	6/16/2010		5 Both Residential/Business
Cedar Falls Utilities	Fixed Wireless	No Update to Provide	6/16/2010		5 Both Residential/Business
Center Junction Telephone Company	DSL	No Update to Provide	3/12/2010		5 Both Residential/Business
CenturyLink	Backhaul	No Update to Provide	12/4/2009		N/A Backhaul
City of Hawarden	Cable	No Update to Provide	5/20/2010		5 Both Residential/Business
Clear Lake Independent Telephone Company	DSL	No Update to Provide	5/6/2020		5 Both Residential/Business
Clear Lake Independent Telephone Company	Fiber	No Update to Provide	5/6/2020		5 Both Residential/Business
Clear Lake Independent Telephone Company	Fiber	No Update to Provide	5/6/2020		5 Both Residential/Business
Cogent Communications, Inc.	Backhaul	No Update to Provide			N/A Backhaul
Communications 1 Network, Inc.	Fiber	No Update to Provide	4/14/2010		5 Both Residential/Business
Community Digital Wireless, LLC	Fixed Wireless	No Update to Provide	5/6/2010		5 Both Residential/Business
Coon Creek Telecommunications Corp.	DSL	No Update to Provide	2/9/2012		5 Both Residential/Business
Coon Rapids Municipal Utilities	Cable	No Update to Provide	4/22/2010		1 Residential Only
Coon Rapids Municipal Utilities	Cable	No Update to Provide	4/22/2010		2 Business Only
Coon Valley Co-op Telephone Association, Inc.	Fixed Wireless	No Update to Provide			5 Both Residential/Business
Coon Valley Co-op Telephone Association, Inc.	DSL	No Update to Provide			5 Both Residential/Business
Cooperative Telephone Company	Fixed Wireless	No Update to Provide	2/2/2010		5 Both Residential/Business
Cooperative Telephone Company	DSL	No Update to Provide	2/2/2010		5 Both Residential/Business
Cooperative Telephone Exchange	Backhaul	No Update to Provide	2/2/2010		N/A Backhaul
Cooperative Telephone Exchange	Fiber	No Update to Provide	2/2/2010		5 Both Residential/Business
CoxCom Inc.	Cable	No Update to Provide	1/29/2010		5 Both Residential/Business
Danville Mutual Telephone Company	DSL	No Update to Provide			5 Both Residential/Business
Dixon Telephone Company	Cable	No Update to Provide	5/5/2010		5 Both Residential/Business
Dunkerton Telephone Cooperative	DSL	No Update to Provide	4/15/2010		5 Both Residential/Business
Ellsworth Cooperative Telephone Association	Fiber	No Update to Provide	1/25/2010		5 Both Residential/Business
Everttek Enterprises	Fixed Wireless	No Update to Provide	2/3/2010		5 Both Residential/Business
Everttek Enterprises	Cable	No Update to Provide	2/3/2010		5 Both Residential/Business
Everttek Enterprises	Fiber	No Update to Provide	2/3/2010		5 Both Residential/Business
Farmers Cooperative Telephone Company-Dysart	DSL	No Update to Provide	3/12/2010		5 Both Residential/Business
Farmers Mutual Cooperative Telephone Company - Harlan	Fixed Wireless	No Update to Provide	2/5/2010		5 Both Residential/Business
Farmers Mutual Cooperative Telephone Company - Harlan	Cable	No Update to Provide	2/5/2010		5 Both Residential/Business
Farmers Mutual Cooperative Telephone Company - Harlan	DSL	No Update to Provide	2/5/2010		5 Both Residential/Business
Farmers Mutual Cooperative Telephone Company - Harlan	Fiber	No Update to Provide	2/5/2010		5 Both Residential/Business
Farmers Mutual Telephone Company - Jesup	DSL	No Update to Provide	4/20/2010		1 Residential Only
Farmers Mutual Telephone Company - Jesup	Fiber	No Update to Provide	4/20/2010		1 Residential Only
Farmers Mutual Telephone Company - Nora Springs	Fixed Wireless	No Update to Provide	1/26/2010		5 Both Residential/Business
Farmers Mutual Telephone Company - Nora Springs	Cable	No Update to Provide	1/26/2010		5 Both Residential/Business
Farmers Mutual Telephone Company - Nora Springs	DSL	No Update to Provide	1/26/2010		5 Both Residential/Business
Farmers Mutual Telephone Company - Nora Springs	Fiber	No Update to Provide	1/26/2010		5 Both Residential/Business
Farmers Mutual Telephone Company - Nora Springs	Fiber	No Update to Provide	1/26/2010		5 Both Residential/Business
Farmers Mutual Telephone Company of Stanton, Iowa	Backhaul	No Update to Provide	4/9/2010		N/A Backhaul
Farmers Mutual Telephone Company of Stanton, Iowa	Cable	No Update to Provide	4/9/2010		5 Both Residential/Business
Farmers Mutual Telephone Company of Stanton, Iowa	DSL	No Update to Provide	4/9/2010		5 Both Residential/Business

Farmers Mutual Telephone Company of Stanton, Iowa	DSL	No Update to Provide	4/9/2010	5 Both Residential/Business
Fiber Net Communications, L.C.	Backhaul	No Update to Provide	3/9/2010	N/A Backhaul
FiberComm L.C.	Backhaul	No Update to Provide	2/15/2010	N/A Backhaul
FiberComm L.C.	DSL	No Update to Provide	2/15/2010	5 Both Residential/Business
FiberComm L.C.	Fixed Wireless	No Update to Provide	2/15/2010	5 Both Residential/Business
Frontier Communications Corporation	Backhaul	No Update to Provide	1/22/2010	N/A Backhaul
Goldfield Access Network, L.C.	DSL	No Update to Provide	1/22/2010	5 Both Residential/Business
Goldfield Access Network, L.C.	Fiber	No Update to Provide	1/22/2010	5 Both Residential/Business
Goldfield Access Network, L.C.	DSL	No Update to Provide	1/22/2010	5 Both Residential/Business
Grand Mound Cooperative Telephone Association	Fixed Wireless	No Update to Provide		5 Both Residential/Business
Grand Mound Cooperative Telephone Association	DSL	No Update to Provide		1 Residential Only
Grand Mound Cooperative Telephone Association	DSL	No Update to Provide		2 Business Only
Grand River Mutual Telephone Corporation	Fixed Wireless	No Update to Provide	2/5/2010	5 Both Residential/Business
Grand River Mutual Telephone Corporation	DSL	No Update to Provide	2/5/2010	5 Both Residential/Business
Grand River Mutual Telephone Corporation	Fiber	No Update to Provide	2/5/2010	5 Both Residential/Business
Grand River Mutual Telephone Corporation	Fiber	No Update to Provide	2/5/2010	5 Both Residential/Business
Grundy Center Municipal Utilities	Fixed Wireless	No Update to Provide		5 Both Residential/Business
Grundy Center Municipal Utilities	Cable	No Update to Provide		5 Both Residential/Business
Harmony Telephone Company	DSL	No Update to Provide	1/12/2010	5 Both Residential/Business
Harmony Telephone Company	Fixed Wireless	No Update to Provide	1/12/2010	5 Both Residential/Business
Heart of Iowa Communications Cooperative	Backhaul	No Update to Provide	1/7/2010	N/A Backhaul
Heart of Iowa Communications Cooperative	DSL	No Update to Provide	1/7/2010	5 Both Residential/Business
Heart of Iowa Communications Cooperative	Fixed Wireless	No Update to Provide	1/7/2010	5 Both Residential/Business
Heart of Iowa Communications Cooperative	Fiber	No Update to Provide	1/7/2010	5 Both Residential/Business
Hubbard Cooperative Telephone Association and Cable	DSL	No Update to Provide	5/14/2010	5 Both Residential/Business
Hughes Network Systems, LLC	Satellite	No Update to Provide	2/5/2010	1 Residential Only
Huxley Communications Cooperative	Backhaul	No Update to Provide	1/25/2010	N/A Backhaul
Huxley Communications Cooperative	DSL	No Update to Provide	1/25/2010	1 Residential Only
Huxley Communications Cooperative	Fiber	No Update to Provide	1/25/2010	1 Residential Only
Huxley Communications Cooperative	DSL	No Update to Provide	1/25/2010	2 Business Only
Huxley Communications Cooperative	Fiber	No Update to Provide	1/25/2010	2 Business Only
IAMO Telephone Company	Fixed Wireless	No Update to Provide	1/25/2010	5 Both Residential/Business
ImOn Communications, LLC	Fiber	No Update to Provide	2/8/2012	1 Residential Only
ImOn Communications, LLC	Cable	No Update to Provide	2/8/2012	1 Residential Only
ImOn Communications, LLC	Fiber	No Update to Provide	2/8/2012	2 Business Only
Independence Telecommunications Utility	Cable	No Update to Provide	4/9/2010	5 Both Residential/Business
Internet Solver, Inc.	DSL	No Update to Provide		1 Residential Only
Iowa Network Services	Backhaul	No Update to Provide	3/5/2010	N/A Backhaul
Jab Wireless, Inc.	DSL	No Update to Provide	6/14/2010	5 Both Residential/Business
Jefferson Telephone Company	DSL	No Update to Provide	1/22/2010	5 Both Residential/Business
Jefferson Telephone Company	Fiber	No Update to Provide	1/22/2010	5 Both Residential/Business
Keystone Farmers Cooperative Telephone Company	DSL	No Update to Provide	4/12/2010	5 Both Residential/Business
Kilduff Telephone Company	DSL	No Update to Provide		5 Both Residential/Business
Laurens Municipal Communications Utility	Cable	No Update to Provide	6/2/2010	5 Both Residential/Business
Level 3 Communications, LLC	Backhaul	No Update to Provide	12/14/2009	N/A Backhaul
LISCO Wireless	Backhaul	No Update to Provide	1/28/2010	N/A Backhaul
LISCO Wireless	DSL	No Update to Provide	1/28/2010	5 Both Residential/Business
Loganet	Fixed Wireless	No Update to Provide	2/13/2013	1 Residential Only
Lone Rock Cooperative Telephone Company	DSL	No Update to Provide	2/15/2010	5 Both Residential/Business
Long Lines	Backhaul	No Update to Provide	5/4/2010	N/A Backhaul
Long Lines	Backhaul	No Update to Provide	5/4/2010	N/A Backhaul
Long Lines	Backhaul	No Update to Provide	5/4/2010	N/A Backhaul
Long Lines	Backhaul	No Update to Provide	5/4/2010	N/A Backhaul
Long Lines	Backhaul	No Update to Provide	5/4/2010	N/A Backhaul
Long Lines	Backhaul	No Update to Provide	5/4/2010	N/A Backhaul
Long Lines	DSL	No Update to Provide	5/4/2010	5 Both Residential/Business
Long Lines	Cable	No Update to Provide	5/4/2010	5 Both Residential/Business
LTD Broadband LLC	Fixed Wireless	No Update to Provide	2/27/2014	5 Both Residential/Business
Lynnville Telephone Company, Inc.	DSL	No Update to Provide		5 Both Residential/Business
Mabel Cooperative Telephone Company	DSL	No Update to Provide	4/8/2010	5 Both Residential/Business
Manning Municipal Communication & Television System Utility	Fixed Wireless	No Update to Provide	4/22/2010	5 Both Residential/Business
Manning Municipal Communication & Television System Utility	Cable	No Update to Provide	4/22/2010	5 Both Residential/Business
Marne & Elk Horn Telephone Company	Backhaul	No Update to Provide	2/11/2010	N/A Backhaul
Marne & Elk Horn Telephone Company	Fixed Wireless	No Update to Provide	2/11/2010	5 Both Residential/Business
Martelle Cooperative Telephone Association	Cable	No Update to Provide	5/5/2010	5 Both Residential/Business
Martelle Cooperative Telephone Association	DSL	No Update to Provide	5/5/2010	5 Both Residential/Business
Massena Telephone Company	Backhaul	No Update to Provide	6/18/2010	N/A Backhaul
Massena Telephone Company	Fixed Wireless	No Update to Provide	6/18/2010	1 Residential Only
Massena Telephone Company	DSL	No Update to Provide	6/18/2010	1 Residential Only
Mechanicsville Telephone Company	Fixed Wireless	No Update to Provide		5 Both Residential/Business
Mechanicsville Telephone Company	DSL	No Update to Provide		5 Both Residential/Business
Mediacom Communications Corporation	Backhaul	No Update to Provide	1/12/2010	N/A Backhaul
Mediapolis Telephone Company	DSL	No Update to Provide	4/14/2010	1 Residential Only
Mediapolis Telephone Company	DSL	No Update to Provide	4/14/2010	2 Business Only
Mediapolis Telephone Company	Fiber	No Update to Provide	4/14/2010	2 Business Only
Mediapolis Telephone Company	Fiber	No Update to Provide	4/14/2010	1 Residential Only
MidIowa Net	DSL	No Update to Provide		5 Both Residential/Business
MidIowa Net	Fixed Wireless	No Update to Provide		5 Both Residential/Business
Miles Cooperative Telephone Association	DSL	No Update to Provide	5/17/2010	5 Both Residential/Business
Miles Cooperative Telephone Association	Fiber	No Update to Provide	5/17/2010	5 Both Residential/Business
Milford Cable TV Inc.	Cable	No Update to Provide	4/21/2010	5 Both Residential/Business
Minburn Communications	Backhaul	No Update to Provide	4/7/2010	N/A Backhaul
Minburn Communications	DSL	No Update to Provide	4/7/2010	5 Both Residential/Business
Minerva Valley Telephone Cablevision, Inc.	DSL	No Update to Provide	4/7/2010	5 Both Residential/Business
Modern Cooperative Telephone Company Inc.	DSL	No Update to Provide		5 Both Residential/Business
Monarc Technologies	Fiber	No Update to Provide	2/16/2011	1 Residential Only
Monarc Technologies	Fiber	No Update to Provide	2/16/2011	2 Business Only
Mutual Telephone Company	Fiber	No Update to Provide	1/25/2010	2 Business Only
Mutual Telephone Company of Morning Sun, Iowa	Fixed Wireless	No Update to Provide	5/5/2010	5 Both Residential/Business
Mutual Telephone Company of Morning Sun, Iowa	DSL	No Update to Provide	5/5/2010	5 Both Residential/Business

Mutual Telephone Company of Morning Sun, Iowa	DSL	No Update to Provide	5/5/2010		5 Both Residential/Business
New Ulm Telecom, Inc.	DSL	No Update to Provide	3/10/2010		1 Residential Only
North English Cooperative Telephone Company	DSL	No Update to Provide	5/12/2010		5 Both Residential/Business
Northeast Iowa Telephone Company	Backhaul	No Update to Provide	4/13/2010		N/A Backhaul
Northeast Iowa Telephone Company	DSL	No Update to Provide	4/13/2010		5 Both Residential/Business
Northern Iowa Telephone Company	DSL	No Update to Provide	1/25/2010		2 Business Only
Northern Iowa Telephone Company	Fiber	No Update to Provide	1/25/2010		2 Business Only
Northern Iowa Telephone Company	DSL	No Update to Provide	1/25/2010		1 Residential Only
Northwest Telephone Cooperative Association	Backhaul	No Update to Provide	2/17/2010		N/A Backhaul
Northwest Telephone Cooperative Association	DSL	No Update to Provide	2/17/2010		1 Residential Only
Northwest Telephone Cooperative Association	DSL	No Update to Provide	2/17/2010		2 Business Only
Ogden Telephone Company	Backhaul	No Update to Provide	3/17/2010		N/A Backhaul
Olin Telephone Company, Inc.	Fiber	No Update to Provide	2/23/2010		5 Both Residential/Business
Olin Telephone Company, Inc.	DSL	No Update to Provide	2/23/2010		5 Both Residential/Business
Onslow Cooperative Telephone Association	DSL	No Update to Provide	2/3/2010		5 Both Residential/Business
Oran Mutual Telephone Company	Fiber	No Update to Provide	2/8/2010		5 Both Residential/Business
Osage Municipal Communications Utility	Fixed Wireless	No Update to Provide	5/18/2010		5 Both Residential/Business
Palmer Mutual Telephone Company	DSL	No Update to Provide	1/21/2010		5 Both Residential/Business
Palo Cooperative Telephone Association	Fiber	No Update to Provide	5/19/2010		5 Both Residential/Business
Panora Communications Cooperative	Fixed Wireless	No Update to Provide	1/29/2010		5 Both Residential/Business
Panora Communications Cooperative	Cable	No Update to Provide	1/29/2010		5 Both Residential/Business
Panora Communications Cooperative	Cable	No Update to Provide	1/29/2010		5 Both Residential/Business
Partner Communications Cooperative	Fiber	No Update to Provide	5/15/2010		5 Both Residential/Business
Partner Communications Cooperative	Cable	No Update to Provide	5/15/2010		5 Both Residential/Business
Prairieburg Telephone Company, Inc	DSL	No Update to Provide	3/25/2010		5 Both Residential/Business
Premier Communications	Fiber	No Update to Provide	1/25/2010		2 Business Only
Preston Telephone Company	DSL	No Update to Provide	2/5/2010		5 Both Residential/Business
Radcliffe Telephone Company, Inc.	Backhaul	No Update to Provide	4/26/2010		N/A Backhaul
Radcliffe Telephone Company, Inc.	Fiber	No Update to Provide	4/26/2010		5 Both Residential/Business
Reasnor Telephone Company, LLC	DSL	No Update to Provide			5 Both Residential/Business
Ringtel Communications	DSL	No Update to Provide	2/17/2010		5 Both Residential/Business
River Valley Telecommunications Coop	DSL	No Update to Provide	3/23/2010		2 Business Only
River Valley Telecommunications Coop	Fiber	No Update to Provide	3/23/2010		2 Business Only
River Valley Telecommunications Coop	Fiber	No Update to Provide	3/23/2010		1 Residential Only
Rockwell Cooperative Telephone Association	Backhaul	No Update to Provide	5/12/2010		N/A Backhaul
Rockwell Cooperative Telephone Association	Fixed Wireless	No Update to Provide	5/12/2010		5 Both Residential/Business
Rockwell Cooperative Telephone Association	DSL	No Update to Provide	5/12/2010		5 Both Residential/Business
Scranton Telephone Company	Backhaul	No Update to Provide	2/1/2010		N/A Backhaul
Searsboro Telephone Company	DSL	No Update to Provide			5 Both Residential/Business
Sharon Telephone Company	Backhaul	No Update to Provide	5/20/2010		N/A Backhaul
Sharon Telephone Company	DSL	No Update to Provide	5/20/2010		1 Residential Only
Sharon Telephone Company	Fiber	No Update to Provide	5/20/2010		1 Residential Only
Sharon Telephone Company	Fixed Wireless	No Update to Provide	5/20/2010		1 Residential Only
Skycasters	Satellite	No Update to Provide	10/16/2012		1 Residential Only
South Slope Cooperative Telephone Company	DSL	No Update to Provide	2/2/2010		5 Both Residential/Business
Spacenet, Inc.	Satellite	No Update to Provide			1 Residential Only
SpeedNet, LLC	Fixed Wireless	No Update to Provide			1 Residential Only
Spencer Municipal Utilities	Backhaul	No Update to Provide	2/18/2010		N/A Backhaul
Spencer Municipal Utilities	Cable	No Update to Provide	2/18/2010		5 Both Residential/Business
Springville Cooperative Telephone Association, Inc.	DSL	No Update to Provide	2/15/2010		5 Both Residential/Business
Springville Cooperative Telephone Association, Inc.	Fiber	No Update to Provide	2/15/2010		5 Both Residential/Business
Sprint Nextel Corporation	Backhaul	No Update to Provide	1/14/2010		N/A Backhaul
Templeton Telephone Company	Backhaul	No Update to Provide	3/12/2010		N/A Backhaul
Templeton Telephone Company	DSL	No Update to Provide	3/12/2010		5 Both Residential/Business
United States Cellular Corporation	Mobile Wireless	No Update to Provide	2/15/2011		5 Both Residential/Business
USA Communications	Cable	No Update to Provide	1/27/2010		5 Both Residential/Business
USA Communications	DSL	No Update to Provide	1/27/2010		5 Both Residential/Business
USA Communications	Fiber	No Update to Provide	1/27/2010		5 Both Residential/Business
Van Buren Telephone Co Inc	DSL	No Update to Provide	1/26/2010		5 Both Residential/Business
Van Horne Cooperative Telephone Company	Backhaul	No Update to Provide	5/18/2010		N/A Backhaul
Van Horne Cooperative Telephone Company	DSL	No Update to Provide	5/18/2010		5 Both Residential/Business
Van Horne Cooperative Telephone Company	Fiber	No Update to Provide	5/18/2010		5 Both Residential/Business
VS Enterprises, LTD	Cable	No Update to Provide			1 Residential Only
Walnut Telephone Company	Backhaul	No Update to Provide	4/14/2010		N/A Backhaul
Walnut Telephone Company	Fixed Wireless	No Update to Provide	4/14/2010		2 Business Only
Walnut Telephone Company	Cable	No Update to Provide	4/14/2010		2 Business Only
Walnut Telephone Company	DSL	No Update to Provide	4/14/2010		2 Business Only
Walnut Telephone Company	Fiber	No Update to Provide	4/14/2010		2 Business Only
Walnut Telephone Company	Cable	No Update to Provide	4/14/2010		1 Residential Only
Walnut Telephone Company	DSL	No Update to Provide	4/14/2010		1 Residential Only
Walnut Telephone Company	Fiber	No Update to Provide	4/14/2010		1 Residential Only
Walnut Telephone Company	Fixed Wireless	No Update to Provide	4/14/2010		1 Residential Only
Webb Wireless, LLC	Fixed Wireless	No Update to Provide	8/14/2013		5 Both Residential/Business
Webb-Dickens Telephone Corporation	Fiber	No Update to Provide	1/25/2010		2 Business Only
Webster-Calhoun Cooperative Telephone Association	Fiber	No Update to Provide	5/21/2010		5 Both Residential/Business
Wellman Cooperative Telephone Association	Fixed Wireless	No Update to Provide	5/19/2010		5 Both Residential/Business
Wellman Cooperative Telephone Association	DSL	No Update to Provide	5/19/2010		5 Both Residential/Business
Wellman Cooperative Telephone Association	Fiber	No Update to Provide	5/19/2010		5 Both Residential/Business
West Liberty Telephone Company	Backhaul	No Update to Provide	1/25/2010		N/A Backhaul
West Liberty Telephone Company	DSL	No Update to Provide	1/25/2010		5 Both Residential/Business
West Liberty Telephone Company	Fiber	No Update to Provide	1/25/2010		5 Both Residential/Business
West Liberty Telephone Company	Fixed Wireless	No Update to Provide	1/25/2010		5 Both Residential/Business
Western Iowa Networks	Fixed Wireless	No Update to Provide	2/22/2010		5 Both Residential/Business
Western Iowa Networks	DSL	No Update to Provide	2/22/2010		5 Both Residential/Business
Winnebago Cooperative Telecom Association	Backhaul	No Update to Provide	1/22/2010		N/A Backhaul
Woolstock Mutual Telephone	Backhaul	No Update to Provide	5/19/2010		N/A Backhaul

Woolstock Mutual Telephone	Fixed Wireless	No Update to Provide	5/19/2010		5 Both Residential/Business
Woolstock Mutual Telephone	DSL	No Update to Provide	5/19/2010		5 Both Residential/Business
WTC Communications, Inc.	DSL	No Update to Provide	3/22/2010		2 Business Only
WTC Communications, Inc.	Cable	No Update to Provide	3/22/2010		2 Business Only
WTC Communications, Inc.	Cable	No Update to Provide	3/22/2010		1 Residential Only
WTC Communications, Inc.	DSL	No Update to Provide	3/22/2010		1 Residential Only
Zayo Group, LLC	Backhaul	No Update to Provide			N/A Backhaul
Andrew Telephone Company	DSL	No Update Provided – Use Last Submission Data	1/19/2010		1 Residential Only
Atkins Telephone Company	DSL	No Update Provided – Use Last Submission Data	5/14/2010		5 Both Residential/Business
Atkins Telephone Company	Fiber	No Update Provided – Use Last Submission Data	5/14/2010		5 Both Residential/Business
Brooklyn Mutual Telecommunications Cooperative	DSL	No Update Provided – Use Last Submission Data	4/21/2010		5 Both Residential/Business
Central Scott Telephone Company, Inc.	Fixed Wireless	No Update Provided – Use Last Submission Data	4/22/2010		5 Both Residential/Business
Central Scott Telephone Company, Inc.	DSL	No Update Provided – Use Last Submission Data	4/22/2010		5 Both Residential/Business
Clarence Telephone Company, Inc.	Fiber	No Update Provided – Use Last Submission Data			1 Residential Only
Clarence Telephone Company, Inc.	Fiber	No Update Provided – Use Last Submission Data			2 Business Only
Community Cable Television Agency of O'Brien County	Fixed Wireless	No Update Provided – Use Last Submission Data	5/5/2010		5 Both Residential/Business
Community Cable Television Agency of O'Brien County	Cable	No Update Provided – Use Last Submission Data	5/5/2010		5 Both Residential/Business
Complete Communication Services	Cable	No Update Provided – Use Last Submission Data	6/17/2010		1 Residential Only
Complete Communication Services	Fiber	No Update Provided – Use Last Submission Data	6/17/2010		1 Residential Only
Corn Belt Telephone Company	Fixed Wireless	No Update Provided – Use Last Submission Data	2/15/2010		5 Both Residential/Business
Corn Belt Telephone Company	Fiber	No Update Provided – Use Last Submission Data	2/15/2010		5 Both Residential/Business
Cumberland Telephone Company	DSL	No Update Provided – Use Last Submission Data	4/27/2010		1 Residential Only
Cumberland Telephone Company	Fixed Wireless	No Update Provided – Use Last Submission Data	4/27/2010		1 Residential Only
Cumberland Telephone Company	Fixed Wireless	No Update Provided – Use Last Submission Data	4/27/2010		2 Business Only
Cumberland Telephone Company	DSL	No Update Provided – Use Last Submission Data	4/27/2010		2 Business Only
East Buchanan Telephone Cooperative	DSL	No Update Provided – Use Last Submission Data	4/30/2010		1 Residential Only
Eastlight, LLC	Fixed Wireless	No Update Provided – Use Last Submission Data			5 Both Residential/Business
F&B Communications, Inc.	Fiber	No Update Provided – Use Last Submission Data	2/19/2010		5 Both Residential/Business
F&B Communications, Inc.	DSL	No Update Provided – Use Last Submission Data	2/19/2010		5 Both Residential/Business
Farmers & Merchants Mutual Telephone Com	Fixed Wireless	No Update Provided – Use Last Submission Data	5/7/2010		1 Residential Only
Farmers & Merchants Mutual Telephone Com	Fiber	No Update Provided – Use Last Submission Data	5/7/2010		1 Residential Only
Farmers Telephone Company-Essex	Fixed Wireless	No Update Provided – Use Last Submission Data	1/27/2010		5 Both Residential/Business
Farmers Telephone Company-Essex	DSL	No Update Provided – Use Last Submission Data	1/27/2010		5 Both Residential/Business
Fenton Co-Op Telephone Company	DSL	No Update Provided – Use Last Submission Data	4/16/2010		1 Residential Only
Hospers Telephone Exchange, Inc.	Cable	No Update Provided – Use Last Submission Data	1/11/2010		1 Residential Only
Hospers Telephone Exchange, Inc.	DSL	No Update Provided – Use Last Submission Data	1/11/2010		5 Both Residential/Business
Hospers Telephone Exchange, Inc.	Fiber	No Update Provided – Use Last Submission Data	1/11/2010		5 Both Residential/Business
Hospers Telephone Exchange, Inc.	Cable	No Update Provided – Use Last Submission Data	1/11/2010		2 Business Only
IMU Network Services	Fiber	No Update Provided – Use Last Submission Data	5/10/2010		1 Residential Only
IMU Network Services	Fiber	No Update Provided – Use Last Submission Data	5/10/2010		2 Business Only
IMU Network Services	Fixed Wireless	No Update Provided – Use Last Submission Data	5/10/2010		5 Both Residential/Business
Internet Consulting Services, LLC	Fixed Wireless	No Update Provided – Use Last Submission Data	5/19/2010		5 Both Residential/Business
La Porte City Telephone Co	DSL	No Update Provided – Use Last Submission Data	2/22/2010		5 Both Residential/Business
Lenox Municipal Utilities	Fiber	No Update Provided – Use Last Submission Data	4/20/2010		5 Both Residential/Business
Nexgen Integrated Communications, LLC	DSL	No Update Provided – Use Last Submission Data			2 Business Only
Nexgen Integrated Communications, LLC	Fiber	No Update Provided – Use Last Submission Data			2 Business Only
Sac County Mutual Telephone Co.	DSL	No Update Provided – Use Last Submission Data	2/15/2010		5 Both Residential/Business
Sac County Mutual Telephone Co.	Backhaul	No Update Provided – Use Last Submission Data	2/15/2010		N/A Backhaul
Schaller Telephone Company	DSL	No Update Provided – Use Last Submission Data			1 Residential Only
Siouxland Wireless, LLC	Fixed Wireless	No Update Provided – Use Last Submission Data	12/3/2013		5 Both Residential/Business
Siouxland Wireless, LLC	Backhaul	No Update Provided – Use Last Submission Data	12/3/2013		N/A Backhaul
Spiral Communications LLC	Fixed Wireless	No Update Provided – Use Last Submission Data			1 Residential Only
Spiral Communications LLC	Fixed Wireless	No Update Provided – Use Last Submission Data			2 Business Only
Sully Telephone Association Inc	Fixed Wireless	No Update Provided – Use Last Submission Data	4/28/2010		5 Both Residential/Business
Sully Telephone Association Inc	DSL	No Update Provided – Use Last Submission Data	4/28/2010		5 Both Residential/Business
Swisher Telephone Company	Fiber	No Update Provided – Use Last Submission Data	2/2/2010		5 Both Residential/Business

TC LLC	Fixed Wireless	No Update Provided – Use Last Submission Data	2/6/2014		5 Both Residential/Business
TC LLC	Cable	No Update Provided – Use Last Submission Data	2/6/2014		5 Both Residential/Business
Titonka Telephone Company	DSL	No Update Provided – Use Last Submission Data	5/4/2010		1 Residential Only
Titonka Telephone Company	Backhaul	No Update Provided – Use Last Submission Data	5/4/2010		N/A Backhaul
Western Iowa Telephone Association	Cable	No Update Provided – Use Last Submission Data	4/22/2010		1 Residential Only
Western Iowa Telephone Association	DSL	No Update Provided – Use Last Submission Data	4/22/2010		1 Residential Only
Western Iowa Telephone Association	DSL	No Update Provided – Use Last Submission Data	4/22/2010		2 Business Only
Western Iowa Telephone Association	Cable	No Update Provided – Use Last Submission Data	4/22/2010		2 Business Only
Wyoming Mutual Telephone Company	DSL	No Update Provided – Use Last Submission Data	2/19/2010		5 Both Residential/Business
Windstream Communications	DSL	Solicited Initial Data			1 Residential Only