

**STATE OF MINNESOTA
BEFORE THE PUBLIC UTILITIES COMMISSION**

Beverly Jones Heydinger	Chair
Nancy Lange	Commissioner
Dan Lipschultz	Commissioner
Matt Schuerger	Commissioner
John Tuma	Commissioner

**In the Matter of the Petition of CenturyLink QC Docket No. P-421/AM-16-496
to be Regulated Pursuant to Minn. Stat. §
237.025: Competitive Market Regulation**

AFFIDAVIT OF ROBERT BRIGHAM

JUNE 30, 2016

PUBLIC DOCUMENT

HIGHLY SENSITIVE PROTECTED DATA HAS BEEN EXCISED

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3. Minn. Stat. § 237.025, Subd. 4 provides the competitive criteria that must be met in order for the Commission to grant the Petition for an exchange service area to be regulated under this section of the statute:

Subd. 4. **Competitive criteria.** The commission shall approve a petition under this section if a petitioning local exchange carrier demonstrates to the commission's satisfaction that:

(1) it serves fewer than 50 percent of the households in an exchange service area, and at least 60 percent of households in the exchange service area can choose voice service from at least one additional unaffiliated competitive service provider; or:

(2) it serves more than 50 percent of the households in an exchange service area, and:

(i) at least 60 percent of households in the exchange service area can choose voice service from at least one additional unaffiliated competitive service provider;

(ii) no significant economic, technological, or other barriers to market entry and exit exist;

(iii) no single provider has the ability to maintain prices above competitive levels for a significant period of time or otherwise deter competition; and

(iv) the petitioning local exchange carrier will continue to offer basic local service, as defined in subdivision 8, consistent with its tariffs in effect at the time of its petition.

4. In this Petition, CenturyLink is seeking Market Regulation under Minn. Stat. § 237.025 for 108 exchange service areas in Minnesota. For each exchange service area, this Petition seeks Market Regulation based on the criteria in Subd. 4(1). In no case is CenturyLink seeking Market Regulation under the criteria in Subd. 4(2). Therefore, my affidavit is limited to providing evidence demonstrating that the criteria in Subd. 4(1) are met; i.e., that CenturyLink QC "serves fewer than 50 percent of the households in each exchange service area, and at least 60 percent of households in the exchange service area can choose voice service from at least one additional unaffiliated competitive service provider."

5. As noted above, the geographic unit defined in the statute is the “exchange service area.” However, much of the data in my affidavit is provided at the more granular wire center level. The 108 exchange service areas for which CenturyLink seeks relief include 154 wire centers.¹ Most exchange service areas contain only one wire center; in these cases the exchange service area and wire center are the same. However in other cases, especially in urban areas such as Minneapolis, St. Paul and Duluth, an exchange service area may contain several wire centers.² Exhibit RHB-1 provides a list and mapping of the 108 exchange service areas and 154 wire centers.³

II. CRITERIA IN MINN. STAT. § 237.025, SUBD. 4(1)

A. CenturyLink QC Serves less than 50% of Households in each Exchange Service Area

5. Confidential Exhibit RHB-2 provides the percentage of households that subscribe to CenturyLink voice service in each of the 154 CenturyLink QC wire centers in Minnesota. These data demonstrate that CenturyLink QC provides local exchange voice service to well less than 50% of the households in each of these wire centers. In fact, in none of these wire centers does CenturyLink provide voice services to more that 38% of households. Since this criterion is met for each wire center, it is also met for each exchange service area. These data demonstrate that in each CenturyLink QC exchange service area, the company “serves fewer than 50 percent of the households” and meets the first criterion in Subd. 4(1).

¹ Exchange Service Areas and wire centers are listed in the Qwest Corporation Exchange and Network Services Tariff, Section 5

² Exchange service areas that are served by a central office switch in another state (such as Fargo-Moorhead) are not included.

³ In all exhibits, the Duluth Kenwood wire center is included in the Duluth Hemlock wire center, since CenturyLink systems combine data for these two wire centers. CenturyLink clarifies that it is seeking relief for the Duluth Kenwood wire center.

6. Confidential Exhibit RHB-2 calculates the percentage of residential households subscribing to CenturyLink QC voice service in each wire center by dividing the CenturyLink primary residential voice lines by the number of housing units⁴ located in the wire center. The housing units are based on the latest United States census bureau data, and the primary access lines are based on CenturyLink billing data for end of year 2015. Primary lines (not including additional lines) are used to identify the households that have CenturyLink voice service—whether they have one line or multiple lines.

7. In this Petition, CenturyLink is seeking regulation under Minn. Stat. § 237.025 for (1) all residential voice services and (2) basic business voice services for customers with three or fewer access lines.⁵ Confidential Exhibit RHB-2 provides the percentage of residential households that subscribe to CenturyLink QC voice service, but it does not consider small business customers (with three or fewer lines). CenturyLink has been able to use billing data to identify the number of business locations that subscribe to three or fewer basic business lines in each wire center, but the census bureau does not identify business premises separately for those with three and fewer access lines.⁶ Thus, we cannot calculate the percentage of businesses with three or fewer lines that subscribe to CenturyLink voice service because we do not have the small business census data for the denominator of the calculation. However, if we calculate the number of residential housing units *and business customers with three or fewer lines* subscribing to CenturyLink QC voice service, and divide this by the number of households, this calculation provides a “ceiling” for the percentage of residential customers and business customers with

⁴ A Housing Unit is defined by the census bureau as “a house, an apartment, a mobile home or trailer, a group of rooms, or a single room that is occupied, or, if vacant, is intended for occupancy as separate living quarters.” See: <https://www.census.gov/popest/about/terms/housing.html>

⁵ Subd. 2(a) defines the subject of the Petition under Minn. Stat. § 237.025 as a single market; “residential voice services and business voice services subscribing to three or fewer business lines”.

⁶ The census department does identify the number of “firms” but this includes all business locations, and does not distinguish between businesses with three or fewer lines and businesses with four or more lines.

three or fewer lines that subscribe to CenturyLink QC voice service. Since the denominator does not include total small business premises and is understated, the percent of residential customers and business customers with three or fewer lines subscribing to CenturyLink voice service cannot mathematically be higher than this percentage, and thus this calculation serves as a ceiling. That is, if this calculation for a wire center yields a percentage less than 50%, the percentage of residential households and businesses with three and fewer lines served with CenturyLink voice service in the wire center *must* be less than 50%. These calculations, displayed in Confidential Exhibit RHB-3, show that even using this “ceiling” calculation, the percentage for each and every CenturyLink QC wire center in Minnesota is less than 50%. Thus, for residential households and businesses with three or fewer lines, each wire center—and each exchange service area—meets the criteria specified in Subd. 4(1).

B. 60 percent of households in CenturyLink QC Exchanges can choose another provider.

8. The second criteria under Minn. Stat. § 237.025 Subd. 4(1) requires that “at least 60 percent of households in the exchange service area can choose voice service from at least one additional unaffiliated competitive service provider.” A “competitive provider” is defined in Minn. Stat. § 237.025 Subd. 1 as a “wireless voice service provider” or “any other provider of local voice service who owns a substantial proportion of the last-mile or loop facilities delivering service to a majority of households in an exchange service area, without regard to the technology used to deliver the service.” It is important to note that the statute references a percent of *households*, not a percent of the geographic area within an exchange service area. Thus, it is possible that a competitor could offer service to less than 60% of an exchange service area, but still offer service to well over 60% of the households in the area, because households may be concentrated in certain geographic areas. The remaining paragraphs of this section will provide evidence demonstrating that at least 60 percent of households in each CenturyLink QC exchange

service area can choose voice service from at least one additional unaffiliated competitive service provider.

9. Confidential Exhibit RHB-2, which I described earlier, demonstrates that in no wire center does CenturyLink QC provide voice service to more than 38% of households today. This means that at least 62% of households in every wire center either have voice service from another provider, or do not have voice service at all. According to the FCC's 2015 Universal Service Monitoring Report, 97.9% of occupied housing units in Minnesota have voice service,⁷ so it is reasonable to assume that only 2.1% of households in each wire center do not have voice service from some provider. If we add together (1) the percentage of households in each wire center that subscribe to CenturyLink QC service and (2) the 2.1% that do not have any voice service, the remaining percentage of households, as displayed in Confidential Exhibit RHB-4, represents the customers that subscribe to voice service from an alternative voice provider other than CenturyLink. It may be readily observed that the percentage of households served by an alternative voice provider is well over 60% in all CenturyLink QC wire centers but one, and in that wire center the percentage is 59.6%, rounding to 60%. If over 60% of households *already purchase* voice service from another provider, then by definition "at least 60 percent of households in the exchange service area *can choose* voice service from at least one additional unaffiliated competitive service provider." This demonstrates that each wire center, and exchange service area, meets the criteria outlined in Minn. Stat. § 237.025 Subd. 4(1).

10. Nearly all households in CenturyLink QC's Minnesota serving area have wireless voice service options, and the vast majority of households have multiple wireless options. Exhibit RHB-5 provides maps showing the CenturyLink QC exchange service areas in

⁷ *Universal Service Monitoring Report*, prepared by Federal and State Staff for the Federal-State Joint Board on Universal Service, 2015, Table 6.6. See <https://www.fcc.gov/general/federal-state-joint-board-monitoring-reports>

Minnesota, along with the areas served by several major wireless carriers-- AT&T, Verizon, Sprint and T-Mobile.⁸ It may be observed that there are very few areas within CenturyLink exchange service area boundaries where there is no wireless coverage, and this occurs only in the most sparsely populated areas. Very few Minnesotans actually live in these remote areas without wireless service available from multiple carriers. There are *no* CenturyLink QC exchange service areas that are not served by each of the major wireless providers, and for nearly all exchange service areas, AT&T, Verizon and T-Mobile claim full coverage of the entire exchange, while Sprint claims full coverage if roaming is considered. At least two wireless carriers have complete coverage for all but a few exchange service areas in the state. Exceptions are Silver Bay, Tofte and Grand Marais in the northeast corner of the state, along with Wabasha and Sandstone. These exchanges have partial wireless coverage from all the carriers, but there are areas that appear to be served by one or no carriers. However, the areas that are not served are also the areas with very few households; the areas that are served contain well over 60% of the households in these wire centers. For example, most of the population of Silver Bay, Tofte and Grand Marais live close to Lake Superior, and that area has wireless coverage from multiple providers. The areas without coverage are located in the remote Boundary Waters area where few people live. Thus, *even if we only consider only wireless voice service providers, “at least 60 percent of households in the exchange service area can choose voice service from at least one additional unaffiliated competitive service provider,”* meeting this requirement at the statute.

11. Cable companies are also “competitive providers” as defined in Minn. Stat. § 237.025 Subd. 1, since they own the last-mile or loop facilities used to deliver voice service to

⁸ Wireless coverage based on maps provided on wireless carrier web sites. See: <http://www.verizonwireless.com/landingpages/better-matters/?intmcp=INT-SEA-NON-SE-coverage-051614-DE-SR-LP-T#maps>, <https://www.att.com/maps/wireless-coverage.html>, <https://coverage.sprint.com/IMPACT.jsp?>, <https://www.t-mobile.com/coverage-map.html>

their customers. Cable companies, including Comcast, Charter, Mediacom, Cable One, Midcontinent and others provide phone service (along with video and high speed internet) throughout CenturyLink QC's Minnesota serving territory. Confidential Exhibit RHB-6 provides the *Sharetracker*⁹ estimates of cable voice presence in each CenturyLink QC wire center in Minnesota for the fourth quarter of 2015, along with the count of CenturyLink residential primary lines for December 2015.¹⁰ This exhibit shows that cable telephony service is available to customers in all but three of CenturyLink QC's 154 wire centers in Minnesota. Only the Finland (Silver Lake Exchange), Swanville and Tofte wire centers do not have cable voice competition. In each of the other 151 CenturyLink QC wire centers, cable competition is entrenched, and in total, there are more cable voice connections than there are CenturyLink QC primary residential voice connections. While the relative number of CenturyLink QC and cable voice connections varies by wire center, it is clear that there is fierce cable competition in each of these wire centers.

12. CenturyLink does not have data that shows the exact locations of all households that are passed by, and can order voice service from, cable providers in each exchange service area. While CenturyLink does not have specific data to demonstrate that 60% of households in each and every wire center can purchase voice service from the cable company, it is clear that cable companies focus on the most populous areas within an exchange service area, and it is clear that in most exchange service areas, at least 60% of households can purchase voice service from a cable provider.

⁹ *Sharetracker* is a consulting firm that conducts market share and market penetration studies for a number of clients, including CenturyLink. *Sharetracker* is the largest U.S. market research company dedicated to telecom market share and provides FlowShare measurement products and analytics. It recently acquired *Centris*, who previously provided this data to CenturyLink. See: <http://sharetracker.net/>

¹⁰ From Confidential Exhibit RHB-2.

13. The commission should grant CenturyLink's petition to classify its residential voice services and business voice services for customers subscribing to three or fewer lines as subject to Competitive Market regulation, pursuant to Minn. Stat § 237.025. The data described above demonstrates that in each of CenturyLink's 108 exchange service areas in Minnesota, the conditions in Minn. Stat. § 237.025, Subd 4(1) are satisfied. The data in Confidential Exhibits RHB-2 and RHB-3 demonstrate that CenturyLink QC "serves fewer than 50 percent of the households in an exchange service area." The data in Confidential Exhibit 4 and Exhibit RHB-5 demonstrate that "at least 60 percent of households in the exchange service area can choose voice service from at least one additional unaffiliated competitive service provider."

III. REQUIRED MATERIALS PER MINN. STAT. § 237.025, SUBD. 2

14. Minn. Stat. § 237.025, Subd. 2 defines the materials that an applicant for Competitive Market Regulation must provide in an Application. First, a Petitioner must provide: "A list of exchange service areas in which the local exchange carrier is seeking to be regulated under this section." CenturyLink is requesting Competitive Market Regulation pursuant to Minn. Stat. § 237.025 in 108 exchange service areas comprised of 154 wire centers as listed in Exhibit RHB-1.

15. Second, a Petitioner must provide: "The local services offered by the local exchange carrier in each exchange service area." The local services offered by CenturyLink QC can be found in the tariffs, price lists and catalogs that are located on the CenturyLink web site at: <http://www.centurylink.com/Pages/AboutUs/Legal/Tariffs/displayTariffLandingPage.html?rid=tariffs>

16. Third, a Petitioner must provide: "A list of competitive service providers in each exchange service area." As described earlier, a "competitive provider" is defined in Minn. Stat. § 237.025 Subd. 1 as a "wireless voice service provider" or "any other provider of local voice

service who owns a substantial proportion of the last-mile or loop facilities delivering service to a majority of households in an exchange service area, without regard to the technology used to deliver the service.” This definition includes facilities-based wireless and wireline providers, but excludes resellers and over-the-top Voice over Internet Protocol (“VoIP”) providers. The *major* wireless providers in each wire center are identified in Exhibit RHB-5, and the cable providers, who are “facilities-based,” are identified in Confidential Exhibit RHB-6. There are, however, many other facilities-based CLECs operating in the CenturyLink QC exchange serving areas and wire centers. In some cases, these CLECs provide their own loop facilities and in some cases they purchase Unbundled Network Elements (“UNEs”) to provide service. Many of these CLECs are listed on the Department of Commerce web site at <https://www.edockets.state.mn.us/eAssessment-public/company/phoneServiceProvider.action>.

CLECs offering facilities-based voice services in the CenturyLink QC serving area include: Integra, AT&T, Verizon, XO Communications, Windstream, POPP Communications and many others.¹¹ Exhibit RHB-7 provides a partial list of providers that offer facilities-based services to *residential* customers in CenturyLink QC wire centers. CenturyLink does not claim that this exhibit provides a complete list of providers; it is provided for informational purposes only. This exhibit does not provide the evidentiary basis to support CenturyLink’s petition.

17. Fourth, a Petitioner must provide: “A description of affiliate relationships the petitioning local exchange carrier has with any provider of local service in each exchange service area.” CenturyLink QC has an affiliate relationship with CenturyLink Communications LLC (“CLC”), which offers voice and other services to some larger business customers in Minnesota using various technologies including VoIP. However, CLC does not market voice services to residential customers or businesses with three or fewer access lines in CenturyLink QC’s serving

¹¹ A number of these providers offer service primarily to business customers, using both their own facilities and facilities leased from CenturyLink.

territory. CenturyLink's Petition does not rely upon data from CLC to demonstrate either that (1) it serves less than 50% of the customers in each exchange service area or that (2) service is available from an alternate service provider for 60% of customers in each exchange service area.

18. Fifth, a Petitioner must provide: "Documentation demonstrating the local exchange carrier's loss of local voice service customers to unaffiliated competitive service providers in each exchange service area over, at a minimum, the previous five years." Confidential Exhibit RHB-8 provides the total CenturyLink QC access lines for the years 2000, 2005, 2010 and 2015 for each wire center.¹² It may be observed that on average, CenturyLink has lost 74% of its access lines (residential and business) since 2000 as customers have migrated to other voice options provided by unaffiliated competitors, such as cable, wireless and VoIP service providers. As I described earlier, 97.9% of households in Minnesota subscribe to some form of voice service, so the customers leaving CenturyLink are not going without phone service; they are simply moving to one of the competitive voice options available to them.

19. Sixth, a Petitioner must provide: "Evidence demonstrating that the local exchange carrier satisfies the competitive criteria under subdivision 4 in each exchange service area." The evidence to demonstrate that CenturyLink meets these criteria in each CenturyLink QC exchange service area is provided in Section II of my affidavit.

20. Seventh, a Petitioner must provide: "Other information requested by the Commission that is relevant to the applicable competitive criteria under subdivision 4." As far as I am aware, the Commission has not requested any additional information.

¹² Confidential Exhibit RHB-8 shows total access lines, including all residence and business lines, rather than just primary residence lines, as provided in Confidential Exhibit RHB-2.

IV. CONCLUSION

21. Based on the evidence provided with my Affidavit, the Commission should grant CenturyLink's Petition to classify its residential voice services and business voice services (for customers subscribing to three or fewer lines) as subject to Competitive Market regulation, pursuant to Minn. Stat § 237.025, for the 108 exchange service areas listed in Exhibit RHB-1.

This concludes my affidavit.

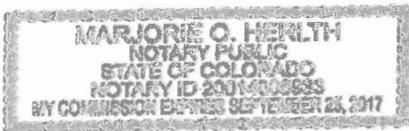


Robert Brigham

Subscribed and sworn to before me
this 27th day of June, 2016.



Notary Public



Minnesota CenturyLink QC Wire Centers

Exchange Service Area	Wire Center	CLLI
ALBERT LEA	ALBERT LEA	ALLEMNAL
ANOKA	ANOKA	ANOKMNAN
ANOKA	OAK GROVE	OKGVMNOG
ANOKA	SODERVILLE	SDVLMNSO
APPLETON	APPLETON	APPLMNAP
AUSTIN	AUSTIN	AUSTMNAB
AVON	AVON	AVONMNVO
BARNUM	BARNUM	BRNMMNBA
BASS BROOK(COHASSET)	BASS BROOK(COHASSET)	CHSTMNCH
BATTLE LAKE	BATTLE LAKE	BTLKMNBA
BEMIDJI	BEMIDJI	BMDJMNBE
BIWABIK	BIWABIK	BWBKMNBI
BRAHAM	BRAHAM	BRHMMNBR
BRAINERD	BRAINERD	BRNRMNBR
BUFFALO	BUFFALO	BFLOMNBU
BUHL	BUHL	BUHLMNBU
CALEDONIA	CALEDONIA	CLDNMNCA
CAMBRIDGE	CAMBRIDGE	CMBRMNCA
CARLTON	CARLTON	CRTOMNCB
CASS LAKE	CASS LAKE	CSSLMNCL
CHATFIELD	CHATFIELD	CTFDMNCH
CHISHOLM	CHISHOLM	CHSHMNCS
CLOQUET	CLOQUET	CLQTMNCA
COLD SPRING	COLD SPRING	CLSPMNCB
COLERAINE	COLERAINE	CLRNMNCO
COMSTOCK	COMSTOCK	CMSTMNCO
COOK	COOK	COOKMNCO
CROOKSTON	CROOKSTON	CKTNMNCR
DETROIT LAKES	DETROIT LAKES	DTLKMNDL
DULUTH	DULUTH CALUMET	DLTHMNCB
DULUTH	DULUTH LAKESIDE	DLTHMNLA
DULUTH	DULUTH PIKE LAKE	DLTHMNPL
DULUTH	ISLAND LAKE	ISLKMNIL
DULUTH	DULUTH DOUGLAS	DLTHMNDB
DULUTH	DULUTH HEMLOCK	DLTHMNAF
DULUTH	DULUTH MELROSE	DLTHMNME
EAGAN-LEXINGTON	EAGAN-LEXINGTON	EAGNMNLB
ELK RIVER	ELK RIVER	EKRVMNER
EXCELSIOR	EXCELSIOR	EXCLMNEX
FARIBAULT	FARIBAULT	FRBLMNFA

Exchange Service Area	Wire Center	CLLI
FERGUS FALLS	FERGUS FALLS	FRFLMNFB
FOLEY	FOLEY	FOLYMNFO
FOREST LAKE	FOREST LAKE	FRLKMNFL
GAYLORD	GAYLORD	GYLRMNGA
GLENVILLE	GLENVILLE	GLVLMNGL
GLENWOOD	GLENWOOD	GLWDMNGL
GRAND MARAIS	GRAND MARAIS	GDMRMNGM
GRAND RAPIDS	GRAND RAPIDS	GDRPMNGR
HAMEL	HAMEL	HAMLMNHB
HANOVER	HANOVER	HNVRMNHB
HAWLEY	HAWLEY	HWLYMNHA
HENNING	HENNING	HNNGMNHE
HIBBING	HIBBING	HBNGMNHI
HINCKLEY	HINCKLEY	HNCKMNHI
HOLDINGFORD	HOLDINGFORD	HLFRMNCO
ISANTI	ISANTI	ISNTMNIS
JACKSON	JACKSON	JCSNMNJA
KEEWATIN	KEEWATIN	KEWTMNKE
LE SUEUR	LE SUEUR	LESRMNLS
LITCHFIELD	LITCHFIELD	LTFDMNLI
LITTLE FALLS	LITTLE FALLS	LTFLMNLF
LUVERNE	LUVERNE	LVRNMNLU
MAHNOMEN	MAHNOMEN	MHNMMNMA
MARBLE	MARBLE	MRBLMNMA
MARSHALL	MARSHALL	MRSHMNMA
MINNEAPOLIS	BLAINE	BLANMNBL
MINNEAPOLIS	BLOOMINGTON SOUTH	BLTNMNNSO
MINNEAPOLIS	BROOKLYN CENTER	BRCTMNBC
MINNEAPOLIS	BURNSVILLE	BRVLMNBU
MINNEAPOLIS	BLOOMINGTON CEDAR	BLTNMNCE
MINNEAPOLIS	COON RAPIDS	CNRPMNND
MINNEAPOLIS	CRYSTAL	CRYSMNCR
MINNEAPOLIS	EDEN PRAIRIE	EDPRMNPE
MINNEAPOLIS	FRIDLEY	FRDLMNFR
MINNEAPOLIS	GLEN PRAIRIE	EDPRMNPG
MINNEAPOLIS	HOPKINS	HPKNMNHO
MINNEAPOLIS	MPLS 24TH AVE	MPLSMNTF
MINNEAPOLIS	MPLS 66TH ST	RCFDMN66
MINNEAPOLIS	MPLS 7TH AVE	MPLSMN07
MINNEAPOLIS	MPLS BEARD	MPLSMNBE
MINNEAPOLIS	MPLS BRYANT	MPLSMNBB
MINNEAPOLIS	MPLS CENTRAL AVE	MPLSMNGE
MINNEAPOLIS	MPLS DOWNTOWN	MPLSMNDT

Exchange Service Area	Wire Center	CLLI
MINNEAPOLIS	MPLS FRANKLIN	MPLSMNFR
MINNEAPOLIS	MPLS FT SNELLING	MPLSMNFS
MINNEAPOLIS	MPLS PENN	MPLSMNPE
MINNEAPOLIS	MPLS PILLSBURY	MPLSMNPI
MINNEAPOLIS	BLOOMINGTON NORMANDALE	BLTNMNNNO
MINNEAPOLIS	ORCHARD	GLVYMNOR
MINNEAPOLIS	PLYMOUTH	PLMOMNFE
MONTEVIDEO	MONTEVIDEO	MTVDMNMO
MOOSE LAKE	MOOSE LAKE	MOLKMNML
MORA	MORA	MORAMNMO
MORRIS	MORRIS	MRRSMNMO
MOUNTAIN IRON	MOUNTAIN IRON	MTIRMNMI
NASHWAUK	NASHWAUK	NSHWMNNA
NAVARRE	NAVARRE	NVRRMNNA
NICOLLET	NICOLLET	NCLTMNNC
NISSWA	NISSWA	NSSWMNNI
NORTH BRANCH	NORTH BRANCH	NBRNMNNB
NORTHFIELD	NORTHFIELD	NRFDMNNO
OGILVIE	OGILVIE	OGLVMNOA
OLIVIA-BIRD ISLAND	OLIVIA-BIRD ISLAND	OLIVMNOL
ORTONVILLE-BIG STONE	ORTONVILLE-BIG STONE	ORVLMNOR
OWATONNA	OWATONNA	OWTNMNOW
PARK RAPIDS	PARK RAPIDS	PKRPMNPR
PINE CITY	PINE CITY	PNCYMNPC
PIPESTONE	PIPESTONE	PPSTMNPI
PRINCETON	PRINCETON	PRTNMNPR
RED WING	RED WING	RDWNMNRW
REDWOOD FALLS-MORTON	REDWOOD FALLS-MORTON	RDFLMNRA
ROCHESTER	ROCHESTER	ROCHMNRO
ROCKFORD	ROCKFORD	RCFRMNRO
ROYALTON	ROYALTON	RYTNMNRN
RUSH CITY	RUSH CITY	RSCYMNRC
SABIN	SABIN	SABNMNSA
SANDSTONE	SANDSTONE	SNDSMNSA
SAUK CENTRE	SAUK CENTRE	SKCTMNSC
SHAKOPEE	SHAKOPEE	SHKPMNSH
SILVER BAY	FINLAND	FNLDMNFO
SILVER BAY	SILVER BAY	SLBAMNSA
ST CHARLES	ST CHARLES	STCHMNSC
ST CLOUD	ST CLOUD	STCDMNTO
ST JOSEPH	ST JOSEPH	STJSMNSJ
ST PAUL	ST PAUL BEECH	STPLMNBE
ST PAUL	ST PAUL EMERSON	STPLMNEM

Exchange Service Area	Wire Center	CLLI
ST PAUL	ST PAUL FRONT	STPLMNH B
ST PAUL	ST PAUL MARKET	STPLMNMK
ST PAUL	ST PAUL MIDWAY	STPLMNMI
ST PAUL	AFTON	AFTNMNAF
ST PAUL	CLEVELAND	NWBTMNCL
ST PAUL	COTTAGE GROVE	CTGVMNCG
ST PAUL	MAPLEWOOD	MPWDMNMA
ST PAUL	OAKDALE WEST	WSPLMNWS
ST PAUL	PARK ROW	NSPLMNPR
ST PAUL	RICE	SHVWMNRI
ST PETER	ST PETER	STPRMNSP
STAPLES	STAPLES	SPLSMNST
STEWARTVILLE	STEWARTVILLE	STVLMNST
STILLWATER	STILLWATER	STWRMNST
SWANVILLE	SWANVILLE	SWVLMNSV
THIEF RIVER FALLS	THIEF RIVER FALLS	TRFLMNTH
TOFTE	TOFTE	TOFTMNTB
TRACY	TRACY	TRACMNTR
VIRGINIA	EVELETH	EVLTMNEV
VIRGINIA	VIRGINIA	VRGNMNV I
WABASHA	WABASHA	WBSHMNWA
WADENA	WADENA	WADNMNWA
WASECA	WASECA	WASCMNWA
WAYZATA	WAYZATA	WYZTMNWA
WHITE BEAR LAKE	WHITE BEAR LAKE	WBLKMNWB
WILLMAR	WILLMAR	WLMRMNWI
WINDOM	WINDOM	WNDMMNWI
WINONA	WINONA	WINOMNWI

Note: The Duluth Hemlock wire center includes Duluth Kenwood.

CenturyLink QC Residential Voice Service in Minnesota Wire Centers

CLLI	Wire Center	Census Housing Units	Residence Primary Access Lines	% of Housing Units with Voice Service
[Highly Sensitive Not Public Data Begins]				
AFTNMNAF	AFTON	10,350		
ALLEMNAL	ALBERT LEA	9,510		
ANOKMNAN	ANOKA	31,676		
APPLMNAP	APPLETON	1,031		
AUSTMNAB	AUSTIN	12,951		
AVONMNVO	AVON	1,182		
BFLOMNBU	BUFFALO	7,963		
BLANMNBL	BLAINE	34,429		
BLTNMNCE	CEDAR	4,151		
BLTNMNNO	NORMANDALE	11,760		
BLTNMNNO	BLOOMINGTON SOUTH	19,100		
BMDJMNBE	BEMIDJI	12,956		
BRCTMNBC	BROOKLYN CENTER	21,565		
BRHMMNBR	BRAHAM	2,731		
BRNMMNBA	BARNUM	1,820		
BRNRMNBR	BRAINERD	17,188		
BRVLMNBU	BURNSVILLE	20,568		
BTLKMNBA	BATTLE LAKE	2,756		
BUHLMNBU	BUHL	853		
BWBKMNBI	BIWABIK	1,549		
CHSHMNCS	CHISHOLM	4,045		
CHSTMNCH	BASS BROOK(COHASSET)	1,684		
CKTNMNCR	CROOKSTON	4,039		
CLDNMNCA	CALEDONIA	2,035		
CLQTMNCA	CLOQUET	9,170		
CLRNMNCO	COLERAINE	3,085		
CLSPMNCB	COLD SPRING	2,977		
CMBRMNCA	CAMBRIDGE	6,688		
CMSTMNCO	COMSTOCK	525		
CNRPMNND	COON RAPIDS	32,226		
COOKMNCO	COOK	2,324		
CRTOMNCB	CARLTON	1,806		
CRYSMNCR	CRYSTAL	25,145		
CSSLMNCL	CASS LAKE	2,675		
CTFDMNCH	CHATFIELD	1,947		
CTGVMNCG	COTTAGE GROVE	16,830		
DLTHMNAF	DULUTH HEMLOCK	12,148		
DLTHMNCB	DULUTH CALUMET	8,870		

CLLI	Wire Center	Census Housing Units	Residence Primary Access Lines	% of Housing Units with Voice Service
DLTHMNDB	DULUTH DOUGLAS	2,443		
DLTHMNLA	DULUTH LAKESIDE	6,721		
DLTHMNME	DULUTH MELROSE	15,166		
DLTHMNPL	DULUTH PIKE LAKE	5,115		
DTLKMNDL	DETROIT LAKES	9,399		
EAGNMNLB	EAGAN-LEXINGTON	31,419		
EDPRMNEP	EDEN PRAIRIE	21,068		
EDPRMNGP	GLEN PRAIRIE	20,121		
EKRVMNER	ELK RIVER	14,625		
EVLTMNEV	EVELETH	4,383		
EXCLMNEX	EXCELSIOR	12,958		
FNLDMNFO	FINLAND	595		
FOLYMNFO	FOLEY	2,144		
FRBLMNFA	FARIBAULT	12,077		
FRDLMNFR	FRIDLEY	12,847		
FRFLMNFB	FERGUS FALLS	9,199		
FRLKMNFL	FOREST LAKE	9,749		
GDMRMNGM	GRAND MARAIS	2,829		
GDRPMNGR	GRAND RAPIDS	10,396		
GLVLMNGL	GLENVILLE	803		
GLVYMNOR	ORCHARD	28,866		
GLWDMNGL	GLENWOOD	2,346		
GYLRMNGA	GAYLORD	1,257		
HAMLMNHB	HAMEL	3,364		
HBNGMNI	HIBBING	8,766		
HLMFRMCO	HOLDINGFORD	1,032		
HNCKMNI	HINCKLEY	3,654		
HNNGMNHE	HENNING	1,495		
HNVRMNI	HANOVER	1,302		
HPKNMNI	HOPKINS	27,222		
HWLYMNI	HAWLEY	1,282		
ISLKMNI	ISLAND LAKE	2,256		
ISNTMNI	ISANTI	5,555		
JCSNMNI	JACKSON	2,416		
KEWTMNI	KEEWATIN	604		
LESRMNI	LE SUEUR	2,698		
LTFDMNI	LITCHFIELD	4,872		
LTFLMNI	LITTLE FALLS	6,504		
LVRNMNI	LUVERNE	2,924		
MHNMMNI	MAHNOMEN	1,737		
MOLKMNI	MOOSE LAKE	2,051		
MORAMNI	MORA	6,023		
MPLSMNI	MPLS 7TH AVE	15,653		

CLLI	Wire Center	Census Housing Units	Residence Primary Access Lines	% of Housing Units with Voice Service
MPLSMNBB	MPLS BRYANT	26,294		
MPLSMNBE	MPLS BEARD	39,815		
MPLSMNDT	MPLS DOWNTOWN	21,841		
MPLSMNFR	MPLS FRANKLIN	22,115		
MPLSMNFS	MPLS FT SNELLING	1,982		
MPLSMNGE	MPLS CENTRAL AVE	23,572		
MPLSMNPE	MPLS PENN	10,409		
MPLSMNPI	MPLS PILLSBURY	31,378		
MPLSMNTF	MPLS 24TH AVE	29,443		
MPWDMNMA	MAPLEWOOD	36,281		
MRBLMNMA	MARBLE	857		
MRRSMNMO	MORRIS	2,620		
MRSHMNMA	MARSHALL	6,578		
MTIRMNMI	MOUNTAIN IRON	500		
MTVDMNMO	MONTEVIDEO	3,587		
NBRNMNNB	NORTH BRANCH	5,803		
NCLTMNNC	NICOLLET	698		
NRFDMNNO	NORTHFIELD	9,702		
NSHWMNNA	NASHWALK	2,168		
NSPLMNPR	PARK ROW	24,701		
NSSWMNNI	NISSWA	3,918		
NVRRMNNA	NAVARRE	2,296		
NWBTMNCL	CLEVELAND	17,932		
OGLVMNOA	OGILVIE	1,149		
OKGVMNOG	OAK GROVE	8,291		
OLIVMNOL	OLIVIA-BIRD ISLAND	2,225		
ORVLMNOR	ORTONVILLE-BIG STONE	2,169		
OWTNMNOW	OWATONNA	13,222		
PKRPMNPR	PARK RAPIDS	8,093		
PLMOMNFE	PLYMOUTH	20,584		
PNCYMNPC	PINE CITY	5,083		
PPSTMNPI	PIPESTONE	2,638		
PRTNMNPR	PRINCETON	7,365		
RCFDMN66	MPLS 66TH ST	19,969		
RCFRMNRO	ROCKFORD	3,011		
RDFLMNRA	REDWOOD FALLS-MORTC	2,869		
RDWNMNRW	RED WING	8,689		
ROCHMNRO	ROCHESTER	51,501		
RSCYMNRC	RUSH CITY	2,328		
RYTNMNRN	ROYALTON	1,416		
SABNMNSA	SABIN	699		
SDVLMNSO	SODERVILLE	10,850		
SHKPMNSH	SHAKOPEE	20,288		

CLLI	Wire Center	Census Housing Units	Residence Primary Access Lines	% of Housing Units with Voice Service
SHVWMNRI	RICE	27,407		
SKCTMNSC	SAUK CENTRE	3,575		
SLBAMNSA	SILVER BAY	1,614		
SNDSMNSA	SANDSTONE	1,866		
SPLSMNST	STAPLES	3,114		
STCDMNTD	ST CLOUD	50,371		
STCHMNSC	ST CHARLES	2,793		
STJSMNSJ	ST JOSEPH	3,419		
STPLMNBE	ST PAUL BEECH	29,204		
STPLMNEM	ST PAUL EMERSON	20,573		
STPLMNHBB	ST PAUL FRONT	18,178		
STPLMNMI	ST PAUL MIDWAY	24,063		
STPLMNMK	ST PAUL MARKET	31,603		
STPRMNSP	ST PETER	6,436		
STVLMNST	STEWARTVILLE	3,260		
STWRMNST	STILLWATER	14,901		
SWVLMNSV	SWANVILLE	537		
TOFTMNTB	TOFTE	1,581		
TRACMNTR	TRACY	1,532		
TRFLMNTH	THIEF RIVER FALLS	5,741		
VRGNMNVII	VIRGINIA	8,211		
WADNMNWA	WADENA	3,076		
WASCMNWA	WASECA	5,107		
WBLKMNWB	WHITE BEAR LAKE	27,196		
WBSHMNWA	WABASHA	2,285		
WINOMNWI	WINONA	14,468		
WLMRMNWI	WILLMAR	9,528		
WNDMMNWI	WINDOM	2,835		
WSPLMNWS	OAKDALE WEST	32,381		
WYZTMNWA	WAYZATA	16,417		
	Grand Total	1,592,445		

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Note: The Duluth Hemlock wire center includes Duluth Kenwood.

Ceiling Calculation for Residence Households and Business Customers with Three or Fewer Lines Subscribing to QC Voice Service

CLLI	Wire Center	Census Housing Units	Residence Households with CenturyLink Voice Service (Primary Access Lines)	Small Business Premises (three or fewer lines) with CenturyLink Voice Service	Residence Households and Small Business Premises with CenturyLink Voice Service	Residence Households and Small Business Premises with CenturyLink Voice Service as percent of Housing Units (Ceiling Calculation)
[Highly Sensitive Not Public Data Begins]						
AFTNMNAF	AFTON	10,350				
ALLEMNAL	ALBERT LEA	9,510				
ANOKMNAN	ANOKA	31,676				
APPLMNAP	APPLETON	1,031				
AUSTMNAB	AUSTIN	12,951				
AVONMNVO	AVON	1,182				
BFLOMNBU	BUFFALO	7,963				
BLANMNBL	BLAINE	34,429				
BLTNMNCE	CEDAR	4,151				
BLTNMNNO	NORMANDALE	11,760				
BLTNMNNO	BLOOMINGTON SOUTH	19,100				
BMDJMNBE	BEMIDJI	12,956				
BRCTMNBC	BROOKLYN CENTER	21,565				
BRHMMNBR	BRAHAM	2,731				
BRNMMNBA	BARNUM	1,820				
BRNRMNBR	BRAINERD	17,188				
BRVLMNBU	BURNSVILLE	20,568				
BTLKMNBA	BATTLE LAKE	2,756				
BUHLMNBU	BUHL	853				
BWBKMNBI	BIWABIK	1,549				
CHSHMNCS	CHISHOLM	4,045				
CHSTMNCH	BASS BROOK(COHASSET)	1,684				
CKTNMNCR	CROOKSTON	4,039				
CLDNMNCA	CALEDONIA	2,035				
CLQTMNCA	CLOQUET	9,170				
CLRNMNCO	COLERAINE	3,085				
CLSPMNCB	COLD SPRING	2,977				
CMBRMNCA	CAMBRIDGE	6,688				
CMSTMNCO	COMSTOCK	525				

CLLI	Wire Center	Census Housing Units	Residence Households with CenturyLink Voice Service (Primary Access Lines)	Small Business Premises (three or fewer lines) with CenturyLink Voice Service	Residence Households and Small Business Premises with CenturyLink Voice Service	Residence Households and Small Business Premises with CenturyLink Voice Service as percent of Housing Units (Ceiling Calculation)
CNRPMNND	COON RAPIDS	32,226				
COOKMNCO	COOK	2,324				
CRTOMNCB	CARLTON	1,806				
CRYSMNCR	CRYSTAL	25,145				
CSSLMNCL	CASS LAKE	2,675				
CTFDMNCH	CHATFIELD	1,947				
CTGVMNCG	COTTAGE GROVE	16,830				
DLTHMNAF	DULUTH HEMLOCK	12,148				
DLTHMNCB	DULUTH CALUMET	8,870				
DLTHMNDB	DULUTH DOUGLAS	2,443				
DLTHMNLA	DULUTH LAKESIDE	6,721				
DLTHMNME	DULUTH MELROSE	15,166				
DLTHMNPL	DULUTH PIKE LAKE	5,115				
DTLKMNDL	DETROIT LAKES	9,399				
EAGNMNLB	EAGAN-LEXINGTON	31,419				
EDPRMNPE	EDEN PRAIRIE	21,068				
EDPRMNPG	GLEN PRAIRIE	20,121				
EKRVMNER	ELK RIVER	14,625				
EVLTMNEV	EVELETH	4,383				
EXCLMNEX	EXCELSIOR	12,958				
FNLDMNFO	FINLAND	595				
FOLYMNFO	FOLEY	2,144				
FRBLMNFA	FARIBAULT	12,077				
FRDLMNFR	FRIDLEY	12,847				
FRFLMNFB	FERGUS FALLS	9,199				
FRLKMNFL	FOREST LAKE	9,749				
GDMRMNGM	GRAND MARAIS	2,829				
GDRPMNGR	GRAND RAPIDS	10,396				
GLVLMNGL	GLENVILLE	803				
GLVYMNOR	ORCHARD	28,866				
GLWDMNGL	GLENWOOD	2,346				
GylRMNGA	GAYLORD	1,257				

CLLI	Wire Center	Census Housing Units	Residence Households with CenturyLink Voice Service (Primary Access Lines)	Small Business Premises (three or fewer lines) with CenturyLink Voice Service	Residence Households and Small Business Premises with CenturyLink Voice Service	Residence Households and Small Business Premises with CenturyLink Voice Service as percent of Housing Units (Ceiling Calculation)
HAMLMNHB	HAMEL	3,364				
HBNGMNHI	HIBBING	8,766				
HLFRMNCO	HOLDINGFORD	1,032				
HNCKMNHI	HINCKLEY	3,654				
HNNGMNHE	HENNING	1,495				
HNVRMNHB	HANOVER	1,302				
HPKNMNHO	HOPKINS	27,222				
HWLYMNHA	HAWLEY	1,282				
ISLKMNIL	ISLAND LAKE	2,256				
ISNTMNIS	ISANTI	5,555				
JCSNMNJA	JACKSON	2,416				
KEWTMNKE	KEEWATIN	604				
LESRMNLS	LE SUEUR	2,698				
LTFDMNLI	LITCHFIELD	4,872				
LTFLMNLF	LITTLE FALLS	6,504				
LVRNMNLU	LUVERNE	2,924				
MHNMMNMA	MAHNOMEN	1,737				
MOLKMNML	MOOSE LAKE	2,051				
MORAMNMO	MORA	6,023				
MPLSMN07	MPLS 7TH AVE	15,653				
MPLSMNBB	MPLS BRYANT	26,294				
MPLSMNBE	MPLS BEARD	39,815				
MPLSMNDT	MPLS DOWNTOWN	21,841				
MPLSMNFR	MPLS FRANKLIN	22,115				
MPLSMNFS	MPLS FT SNELLING	1,982				
MPLSMNGE	MPLS CENTRAL AVE	23,572				
MPLSMNPE	MPLS PENN	10,409				
MPLSMNPI	MPLS PILLSBURY	31,378				
MPLSMNTF	MPLS 24TH AVE	29,443				
MPWDMNMA	MAPLEWOOD	36,281				
MRBLMNMA	MARBLE	857				
MRRSMNMO	MORRIS	2,620				

CLLI	Wire Center	Census Housing Units	Residence Households with CenturyLink Voice Service (Primary Access Lines)	Small Business Premises (three or fewer lines) with CenturyLink Voice Service	Residence Households and Small Business Premises with CenturyLink Voice Service	Residence Households and Small Business Premises with CenturyLink Voice Service as percent of Housing Units (Ceiling Calculation)
MRSHMNMA	MARSHALL	6,578				
MTIRMNMI	MOUNTAIN IRON	500				
MTVDMNMO	MONTEVIDEO	3,587				
NBRNMNNB	NORTH BRANCH	5,803				
NCLTMNNC	NICOLLET	698				
NRFDMNNO	NORTHFIELD	9,702				
NSHWMNNA	NASHWAUK	2,168				
NSPLMNPR	PARK ROW	24,701				
NSSWMNNI	NISSWA	3,918				
NVRRMNNA	NAVARRE	2,296				
NWBTMNCL	CLEVELAND	17,932				
OGLVMNOA	OGILVIE	1,149				
OKGVMNOG	OAK GROVE	8,291				
OLVMNOL	OLIVIA-BIRD ISLAND	2,225				
ORVLMNOR	ORTONVILLE-BIG STONE	2,169				
OWTNMNOW	OWATONNA	13,222				
PKRPMNPR	PARK RAPIDS	8,093				
PLMOMNFE	PLYMOUTH	20,584				
PNCYMNPC	PINE CITY	5,083				
PPSTMNPI	PIPESTONE	2,638				
PRTNMNPR	PRINCETON	7,365				
RCFDMN66	MPLS 66TH ST	19,969				
RCFRMNRO	ROCKFORD	3,011				
RDFLMNRA	REDWOOD FALLS-MORTON	2,869				
RDWNMNRW	RED WING	8,689				
ROCHMNRO	ROCHESTER	51,501				
RSCYMNRC	RUSH CITY	2,328				
RYTNMNRN	ROYALTON	1,416				
SABNMNSA	SABIN	699				
SDVLMNSO	SODERVILLE	10,850				
SHKPMNSH	SHAKOPEE	20,288				
SHVWMNRI	RICE	27,407				

CLLI	Wire Center	Census Housing Units	Residence Households with CenturyLink Voice Service (Primary Access Lines)	Small Business Premises (three or fewer lines) with CenturyLink Voice Service	Residence Households and Small Business Premises with CenturyLink Voice Service	Residence Households and Small Business Premises with CenturyLink Voice Service as percent of Housing Units (Ceiling Calculation)
SKCTMNSC	SAUK CENTRE	3,575				
SLBAMNSA	SILVER BAY	1,614				
SNDSMNSA	SANDSTONE	1,866				
SPLSMNST	STAPLES	3,114				
STCDMNTD	ST CLOUD	50,371				
STCHMNSC	ST CHARLES	2,793				
STJSMNSJ	ST JOSEPH	3,419				
STPLMNBE	ST PAUL BEECH	29,204				
STPLMNEM	ST PAUL EMERSON	20,573				
STPLMNHBB	ST PAUL FRONT	18,178				
STPLMNMII	ST PAUL MIDWAY	24,063				
STPLMNMK	ST PAUL MARKET	31,603				
STPRMNSP	ST PETER	6,436				
STVLMNST	STEWARTVILLE	3,260				
STWRMNST	STILLWATER	14,901				
SWVLMNSV	SWANVILLE	537				
TOFTMNTB	TOFTE	1,581				
TRACMNTR	TRACY	1,532				
TRFLMNTH	THIEF RIVER FALLS	5,741				
VRGNMNVII	VIRGINIA	8,211				
WADNMNWA	WADENA	3,076				
WASCMNWA	WASECA	5,107				
WBLKMNWB	WHITE BEAR LAKE	27,196				
WBSHMNWA	WABASHA	2,285				
WINOMNWI	WINONA	14,468				
WLMRMNWI	WILLMAR	9,528				
WNDMMNWI	WINDOM	2,835				
WSPLMNWS	OAKDALE WEST	32,381				
WYZTMNWA	WAYZATA	16,417				
	Grand Total	1592445				

Note: Duluth Kenwood is included in Duluth Hemlock

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Households in CenturyLink QC Wire Centers with Unaffiliated Competitive Voice Provider

CLLI	Wire Center	Census Housing Units	Residence Primary Access Lines	% of Housing Units with CenturyLink QC Voice Service	% of Housing Units with No Voice Service	% of Housing Units with Voice Service from Unaffiliated Provider
			[Highly Sensitive Not Public Data Begins]			[Highly Sensitive Not Public Data Begins]
AFTNMNAF	AFTON	10350			2.1%	
ALLEMNAL	ALBERT LEA	9510			2.1%	
ANOKMNAN	ANOKA	31676			2.1%	
APPLMNAP	APPLETON	1031			2.1%	
AUSTMNAB	AUSTIN	12951			2.1%	
AVONMNVO	AVON	1182			2.1%	
BFLOMNBU	BUFFALO	7963			2.1%	
BLANMNBL	BLAINE	34429			2.1%	
BLTNMNCE	CEDAR	4151			2.1%	
BLTNMNNO	NORMANDALE	11760			2.1%	
BLTNMNNSO	BLOOMINGTON SOUTH	19100			2.1%	
BMDJMNBE	BEMIDJI	12956			2.1%	
BRCTMNBC	BROOKLYN CENTER	21565			2.1%	
BRHMMNBR	BRAHAM	2731			2.1%	
BRNMMNBA	BARNUM	1820			2.1%	
BRNRMNBR	BRAINERD	17188			2.1%	
BRVLMNBU	BURNSVILLE	20568			2.1%	
BTLKMNBA	BATTLE LAKE	2756			2.1%	
BUHLMNBU	BUHL	853			2.1%	
BWBKMNBI	BIWABIK	1549			2.1%	

**PUBLIC DOCUMENT-HIGHLY SENSITIVE
 PROTECTED DATA HAS BEEN EXCISED**

CLLI	Wire Center	Census Housing Units	Residence Primary Access Lines	% of Housing Units with CenturyLink QC Voice Service	% of Housing Units with No Voice Service	% of Housing Units with Voice Service from Unaffiliated Provider
CHSHMNCS	CHISHOLM	4045			2.1%	
CHSTMNCH	BASS BROOK(COHASSET)	1684			2.1%	
CKTNMNCR	CROOKSTON	4039			2.1%	
CLDNMNCA	CALEDONIA	2035			2.1%	
CLQTMNCA	CLOQUET	9170			2.1%	
CLRNMNCO	COLERAINE	3085			2.1%	
CLSPMNCB	COLD SPRING	2977			2.1%	
CMBRMNCA	CAMBRIDGE	6688			2.1%	
CMSTMNCO	COMSTOCK	525			2.1%	
CNRPMNND	COON RAPIDS	32226			2.1%	
COOKMNCO	COOK	2324			2.1%	
CRTOMNCB	CARLTON	1806			2.1%	
CRYSMNCR	CRYSTAL	25145			2.1%	
CSSLMNCL	CASS LAKE	2675			2.1%	
CTFDMNCH	CHATFIELD	1947			2.1%	
CTGVMNCG	COTTAGE GROVE	16830			2.1%	
DLTHMNAF	DULUTH HEMLOCK	12148			2.1%	
DLTHMNCB	DULUTH CALUMET	8870			2.1%	
DLTHMNDB	DULUTH DOUGLAS	2443			2.1%	
DLTHMNLA	DULUTH LAKESIDE	6721			2.1%	
DLTHMNME	DULUTH MELROSE	15166			2.1%	
DLTHMNPL	DULUTH PIKE LAKE	5115			2.1%	
DTLKMNDL	DETROIT LAKES	9399			2.1%	
EAGNMNLB	EAGAN-LEXINGTON	31419			2.1%	
EDPRMNEP	EDEN PRAIRIE	21068			2.1%	

CLLI	Wire Center	Census Housing Units	Residence Primary Access Lines	% of Housing Units with CenturyLink QC Voice Service	% of Housing Units with No Voice Service	% of Housing Units with Voice Service from Unaffiliated Provider
EDPRMNGP	GLEN PRAIRIE	20121			2.1%	
EKRVMNER	ELK RIVER	14625			2.1%	
EVLTMNEV	EVELETH	4383			2.1%	
EXCLMNEX	EXCELSIOR	12958			2.1%	
FNLDMNFO	FINLAND	595			2.1%	
FOLYMNFO	FOLEY	2144			2.1%	
FRBLMNFA	FARIBAULT	12077			2.1%	
FRDLMNFR	FRIDLEY	12847			2.1%	
FRFLMNFB	FERGUS FALLS	9199			2.1%	
FRLKMNFL	FOREST LAKE	9749			2.1%	
GDMRMNGM	GRAND MARAIS	2829			2.1%	
GDRPMNGR	GRAND RAPIDS	10396			2.1%	
GLVLMNGL	GLENVILLE	803			2.1%	
GLVYMNOR	ORCHARD	28866			2.1%	
GLWDMNGL	GLENWOOD	2346			2.1%	
GYLRMNGA	GAYLORD	1257			2.1%	
HAMLMNHB	HAMEL	3364			2.1%	
HBNGMNHI	HIBBING	8766			2.1%	
HLFRMNCO	HOLDINGFORD	1032			2.1%	
HNCKMNHI	HINCKLEY	3654			2.1%	
HNNGMNHE	HENNING	1495			2.1%	
HNVRMNHB	HANOVER	1302			2.1%	
HPKNMNHO	HOPKINS	27222			2.1%	
HWLYMNHA	HAWLEY	1282			2.1%	
ISLKMNIL	ISLAND LAKE	2256			2.1%	

CLLI	Wire Center	Census Housing Units	Residence Primary Access Lines	% of Housing Units with CenturyLink QC Voice Service	% of Housing Units with No Voice Service	% of Housing Units with Voice Service from Unaffiliated Provider
ISNTMNIS	ISANTI	5555			2.1%	
JCSNMNJA	JACKSON	2416			2.1%	
KEWTMNKE	KEEWATIN	604			2.1%	
LESRMNLS	LE SUEUR	2698			2.1%	
LTFDMNLI	LITCHFIELD	4872			2.1%	
LTFLMNLF	LITTLE FALLS	6504			2.1%	
LVRNMNLU	LUVERNE	2924			2.1%	
MHNMMNMA	MAHNOMEN	1737			2.1%	
MOLKMNML	MOOSE LAKE	2051			2.1%	
MORAMNMO	MORA	6023			2.1%	
MPLSMN07	MPLS 7TH AVE	15653			2.1%	
MPLSMNBB	MPLS BRYANT	26294			2.1%	
MPLSMNBE	MPLS BEARD	39815			2.1%	
MPLSMNDT	MPLS DOWNTOWN	21841			2.1%	
MPLSMNFR	MPLS FRANKLIN	22115			2.1%	
MPLSMNFS	MPLS FT SNELLING	1982			2.1%	
MPLSMNGE	MPLS CENTRAL AVE	23572			2.1%	
MPLSMNPE	MPLS PENN	10409			2.1%	
MPLSMNPI	MPLS PILLSBURY	31378			2.1%	
MPLSMNTF	MPLS 24TH AVE	29443			2.1%	
MPWDMNMA	MAPLEWOOD	36281			2.1%	
MRBLMNMA	MARBLE	857			2.1%	
MRRSMNMO	MORRIS	2620			2.1%	
MRSHMNMA	MARSHALL	6578			2.1%	
MTIRMNMI	MOUNTAIN IRON	500			2.1%	

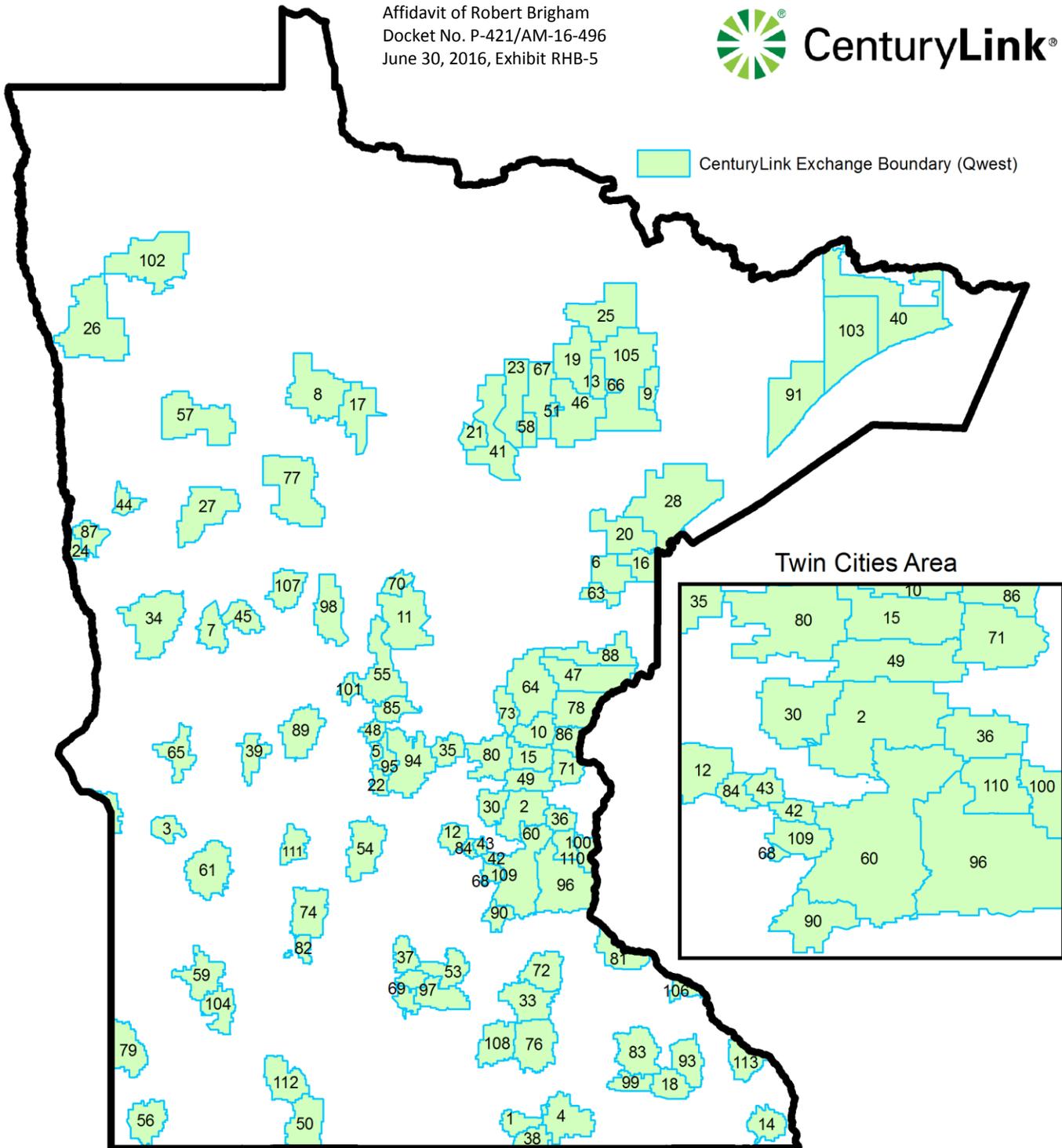
CLLI	Wire Center	Census Housing Units	Residence Primary Access Lines	% of Housing Units with CenturyLink QC Voice Service	% of Housing Units with No Voice Service	% of Housing Units with Voice Service from Unaffiliated Provider
MTVDMNMO	MONTEVIDEO	3587			2.1%	
NBRNMNNB	NORTH BRANCH	5803			2.1%	
NCLTMNNC	NICOLLET	698			2.1%	
NRFDMNNO	NORTHFIELD	9702			2.1%	
NSHWMNNA	NASHWAUK	2168			2.1%	
NSPLMNPR	PARK ROW	24701			2.1%	
NSSWMNNI	NISSWA	3918			2.1%	
NVRRMNNA	NAVARRE	2296			2.1%	
NWBTMNCL	CLEVELAND	17932			2.1%	
OGLVMNOA	OGILVIE	1149			2.1%	
OKGVMNOG	OAK GROVE	8291			2.1%	
OLIVMNOL	OLIVIA-BIRD ISLAND	2225			2.1%	
ORVLMNOR	ORTONVILLE-BIG STONE	2169			2.1%	
OWTNMNOW	OWATONNA	13222			2.1%	
PKRPMNPR	PARK RAPIDS	8093			2.1%	
PLMOMNFE	PLYMOUTH	20584			2.1%	
PNCYMNPC	PINE CITY	5083			2.1%	
PPSTMNPI	PIPESTONE	2638			2.1%	
PRTNMNPR	PRINCETON	7365			2.1%	
RCFDMN66	MPLS 66TH ST	19969			2.1%	
RCFRMNRO	ROCKFORD	3011			2.1%	
RDFLMNRA	REDWOOD FALLS-MORTON	2869			2.1%	
RDWNMNRW	RED WING	8689			2.1%	
ROCHMNRO	ROCHESTER	51501			2.1%	
RSCYMNRC	RUSH CITY	2328			2.1%	

CLLI	Wire Center	Census Housing Units	Residence Primary Access Lines	% of Housing Units with CenturyLink QC Voice Service	% of Housing Units with No Voice Service	% of Housing Units with Voice Service from Unaffiliated Provider
RYTNMNRN	ROYALTON	1416			2.1%	
SABNMNSA	SABIN	699			2.1%	
SDVLMNSO	SODERVILLE	10850			2.1%	
SHKPMNSH	SHAKOPEE	20288			2.1%	
SHVWMNRI	RICE	27407			2.1%	
SKCTMNSC	SAUK CENTRE	3575			2.1%	
SLBAMNSA	SILVER BAY	1614			2.1%	
SNDSMNSA	SANDSTONE	1866			2.1%	
SPLSMNST	STAPLES	3114			2.1%	
STCDMNTD	ST CLOUD	50371			2.1%	
STCHMNSC	ST CHARLES	2793			2.1%	
STJSMNSJ	ST JOSEPH	3419			2.1%	
STPLMNBE	ST PAUL BEECH	29204			2.1%	
STPLMNEM	ST PAUL EMERSON	20573			2.1%	
STPLMNHBB	ST PAUL FRONT	18178			2.1%	
STPLMNMI	ST PAUL MIDWAY	24063			2.1%	
STPLMNMK	ST PAUL MARKET	31603			2.1%	
STPRMNSP	ST PETER	6436			2.1%	
STVLMNST	STEWARTVILLE	3260			2.1%	
STWRMNST	STILLWATER	14901			2.1%	
SWVLMNSV	SWANVILLE	537			2.1%	
TOFTMNTB	TOFTE	1581			2.1%	
TRACMNTR	TRACY	1532			2.1%	
TRFLMNTH	THIEF RIVER FALLS	5741			2.1%	
VRGNMNVII	VIRGINIA	8211			2.1%	

CLLI	Wire Center	Census Housing Units	Residence Primary Access Lines	% of Housing Units with CenturyLink QC Voice Service	% of Housing Units with No Voice Service	% of Housing Units with Voice Service from Unaffiliated Provider
WADNMNWA	WADENA	3076			2.1%	
WASCMNWA	WASECA	5107			2.1%	
WBLKMNWB	WHITE BEAR LAKE	27196			2.1%	
WBSHMNWA	WABASHA	2285			2.1%	
WINOMNWI	WINONA	14468			2.1%	
WLMRMNWI	WILLMAR	9528			2.1%	
WNDMMNWI	WINDOM	2835			2.1%	
WSPLMNWS	OAKDALE WEST	32381			2.1%	
WYZTMNWA	WAYZATA	16417			2.1%	
	Grand Total	1592445			2.1%	

Highly Sensitive Not Public Data Ends]

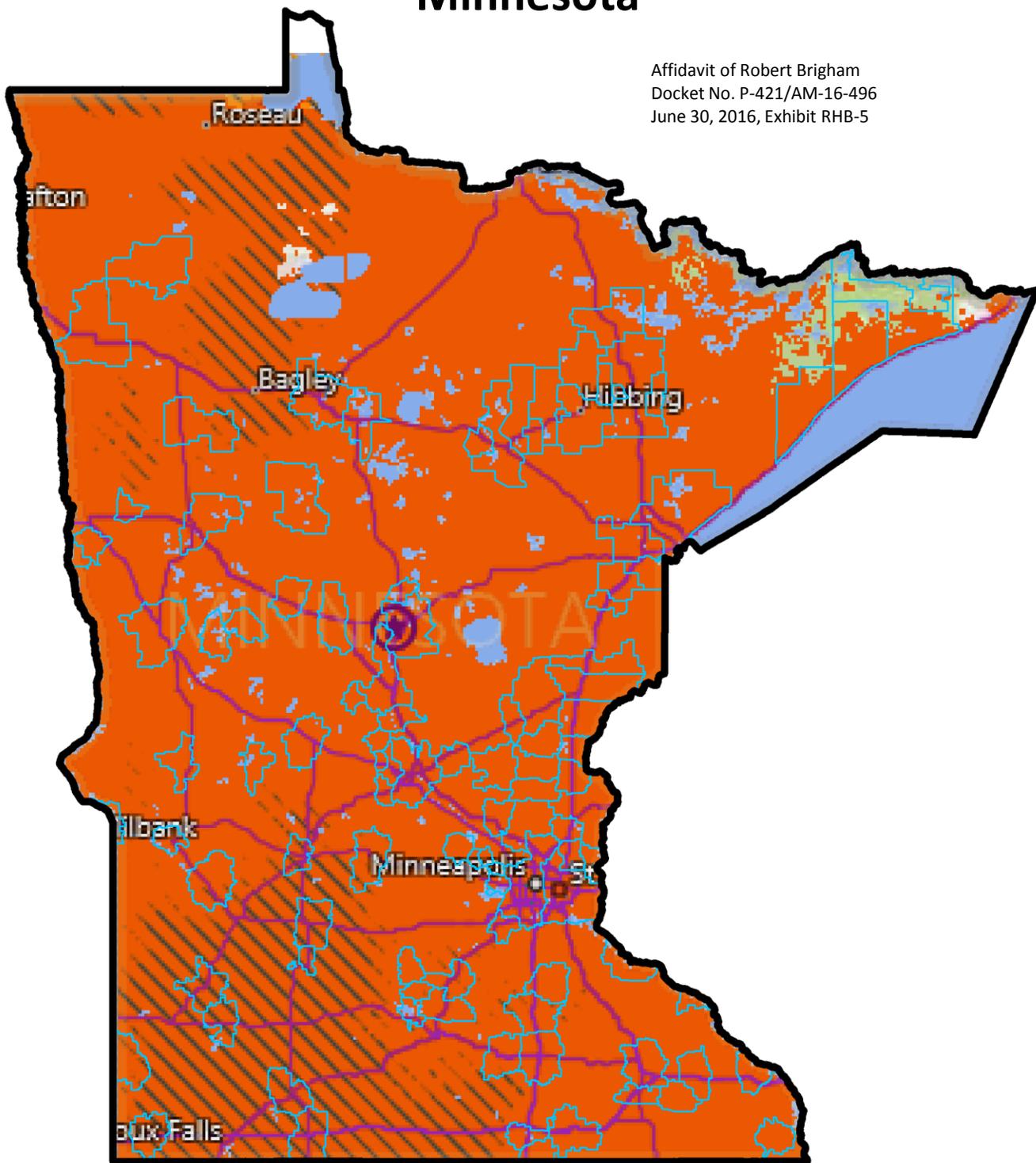
Note: Duluth Kenwood is included in Duluth Hemlock



- | | | | | | | |
|-----------------|--------------------|-------------------|--------------------|-------------------------|-------------------------|-----------------------|
| 1 - ALBERT LEA | 17 - CASS LAKE | 36 - FOREST LAKE | 53 - LE SUEUR | 70 - NISSWA | 86 - RUSH CITY | 103 - TOFTE |
| 2 - ANOKA | 18 - CHATFIELD | 37 - GAYLORD | 54 - LITCHFIELD | 71 - NORTH BRANCH | 87 - SABIN | 104 - TRACY |
| 3 - APPLETON | 19 - CHISHOLM | 38 - GLENVILLE | 55 - LITTLE FALLS | 72 - NORTHFIELD | 88 - SANDSTONE | 105 - VIRGINIA |
| 4 - AUSTIN | 20 - CLOQUET | 39 - GLENWOOD | 56 - LUVERNE | 73 - OGILVIE | 89 - SAUK CENTRE | 106 - WABASHA |
| 5 - AVON | 21 - COHASSET | 40 - GRAND MARAIS | 57 - MAHNOMEN | 74 - OLIVIA-BIRD ISLAND | 90 - SHAKOPEE | 107 - WADENA |
| 6 - BARNUM | 22 - COLD SPRING | 41 - GRAND RAPIDS | 58 - MARBLE | 75 - ORTONVILLE | 91 - SILVER BAY | 108 - WASECA |
| 7 - BATTLE LAKE | 23 - COLERAINE | 42 - HAMEL | 59 - MARSHALL | 76 - OWATONNA | 93 - ST. CHARLES | 109 - WAYZATA |
| 8 - BEMIDJI | 24 - COMSTOCK | 43 - HANOVER | 60 - MINNEAPOLIS | 77 - PARK RAPIDS | 94 - ST. CLOUD | 110 - WHITE BEAR LAKE |
| 9 - BIWABIK | 25 - COOK | 44 - HAWLEY | 61 - MONTEVIDEO | 78 - PINE CITY | 95 - ST. JOSEPH | 111 - WILLMAR |
| 10 - BRAHAM | 26 - CROOKSTON | 45 - HENNING | 63 - MOOSE LAKE | 79 - PIPESTONE | 96 - ST. PAUL | 112 - WINDOM |
| 11 - BRAINERD | 27 - DETROIT LAKES | 46 - HIBBING | 64 - MORA | 80 - PRINCETON | 97 - ST. PETER | 113 - WINONA |
| 12 - BUFFALO | 28 - DULUTH | 47 - HINCKLEY | 65 - MORRIS | 81 - RED WING | 98 - STAPLES | |
| 13 - BUHL | 30 - ELK RIVER | 48 - HOLDINGFORD | 66 - MOUNTAIN IRON | 82 - REDWOOD FALLS | 99 - STEWARTVILLE | |
| 14 - CALEDONIA | 33 - FARIBAULT | 49 - ISANTI | 67 - NASHWAUK | 83 - ROCHESTER | 100 - STILLWATER | |
| 15 - CAMBRIDGE | 34 - FERGUS FALLS | 50 - JACKSON | 68 - NAVARRE | 84 - ROCKFORD | 101 - SWANVILLE | |
| 16 - CARLTON | 35 - FOLEY | 51 - KEEWATIN | 69 - NICOLLET | 85 - ROYALTON | 102 - THIEF RIVER FALLS | |

AT&T Wireless Coverage Century Link Footprint Minnesota

Affidavit of Robert Brigham
Docket No. P-421/AM-16-496
June 30, 2016, Exhibit RHB-5



Legend

 CenturyLink Exchange Boundary

 HD Voice

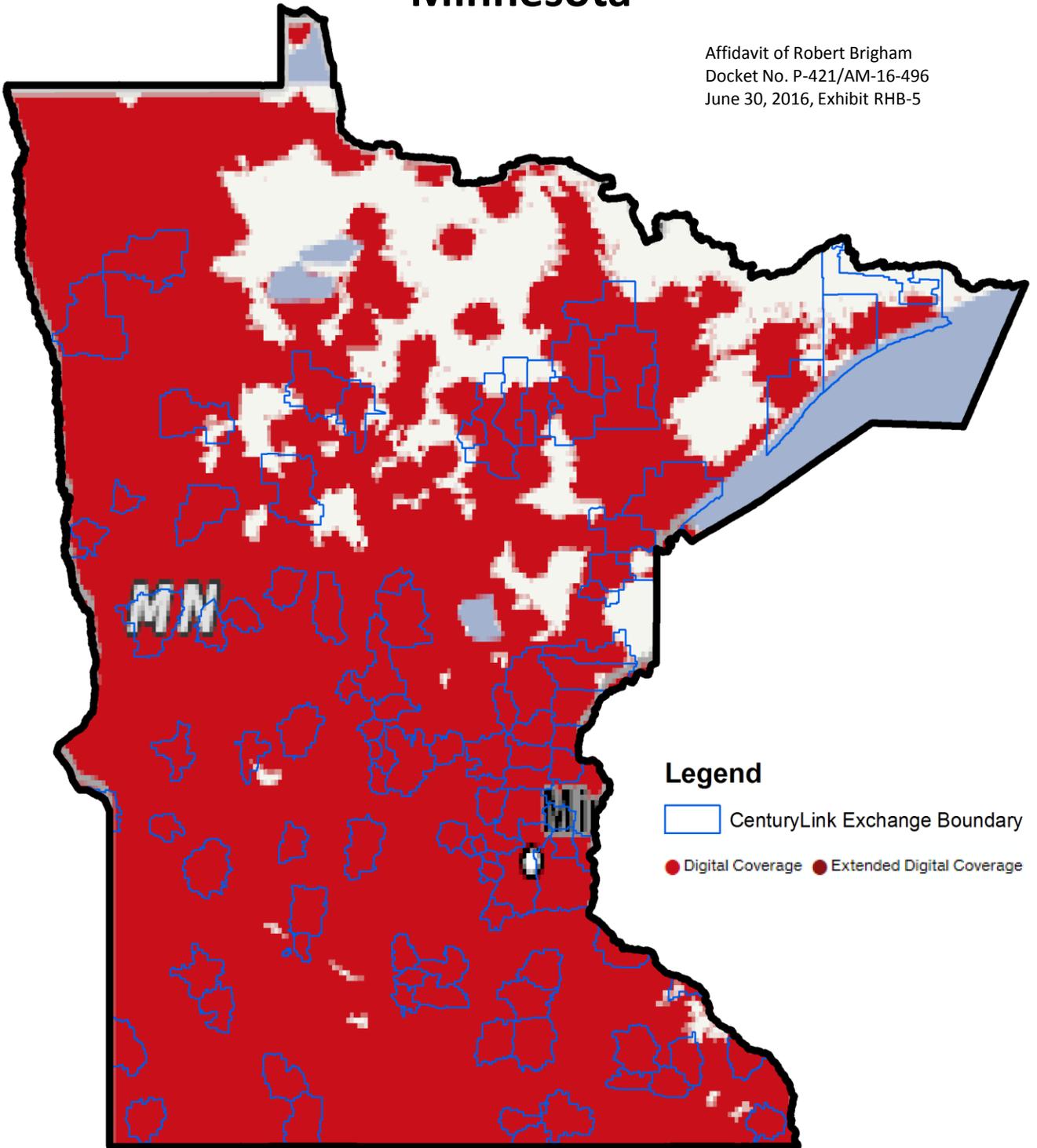
 Voice

 3rd Party

 Requires 3G, 4G or 4G LTE Handset

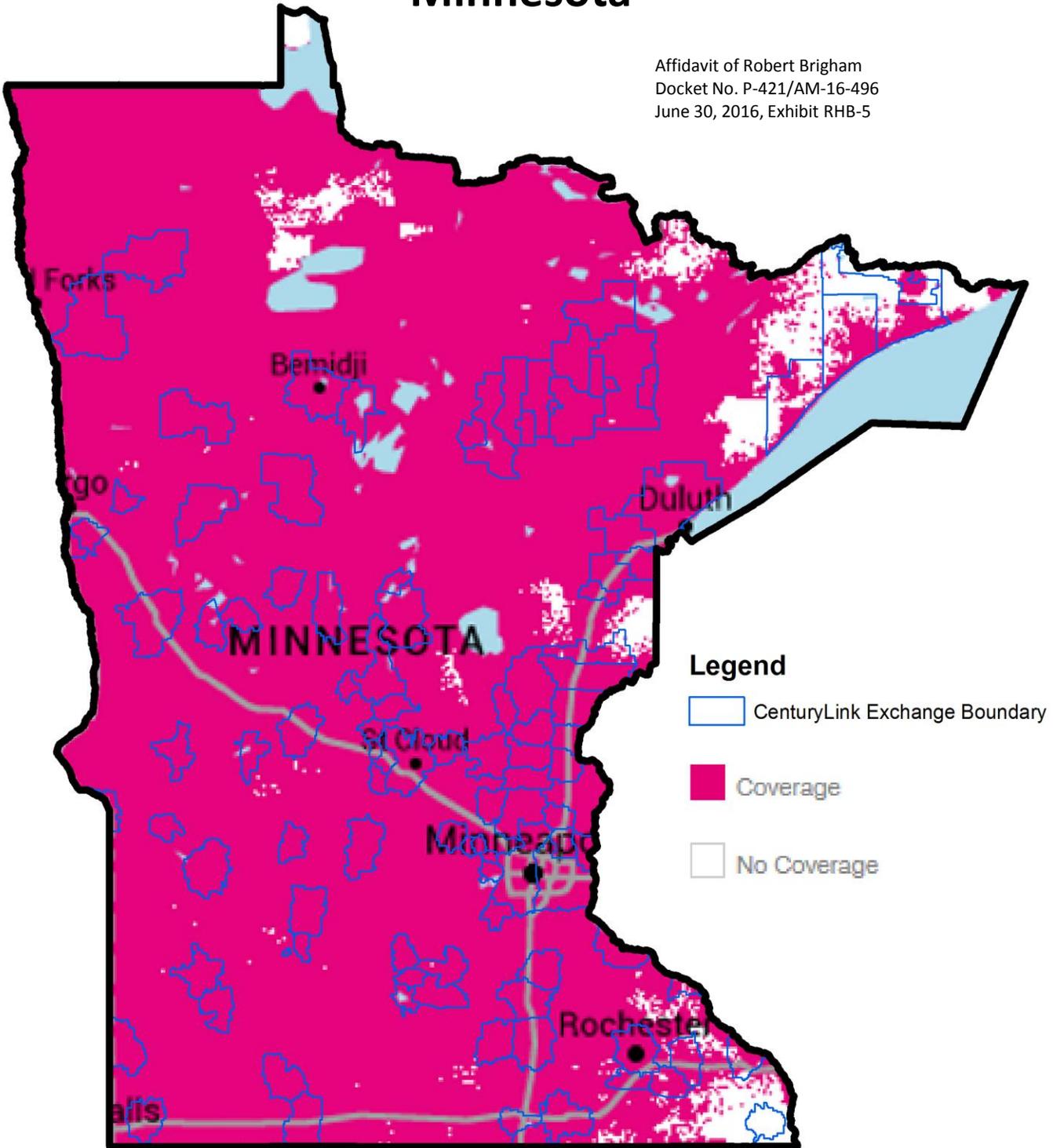
Verizon Wireless Coverage Century Link Footprint Minnesota

Affidavit of Robert Brigham
Docket No. P-421/AM-16-496
June 30, 2016, Exhibit RHB-5



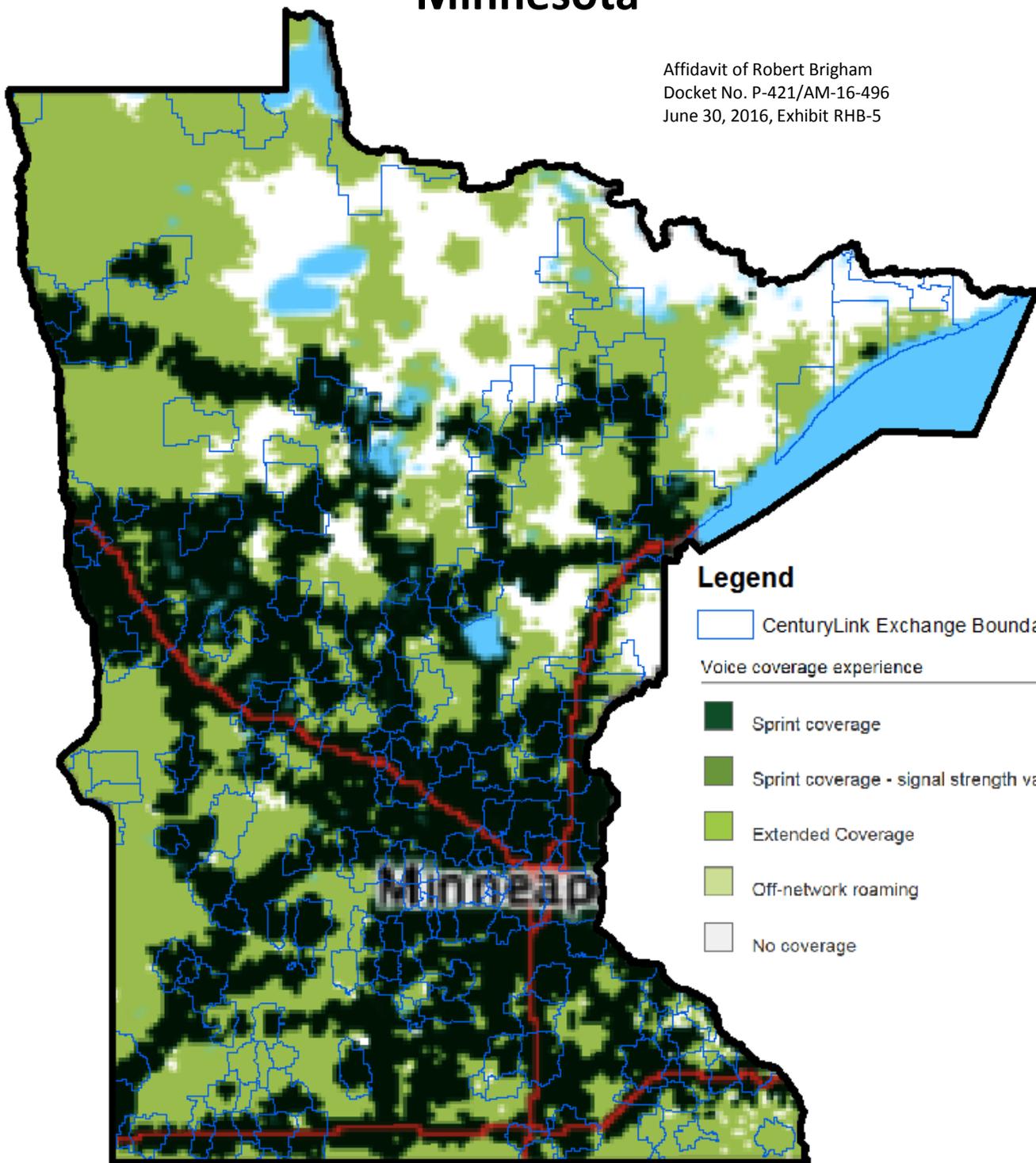
T-Mobile Wireless Coverage Century Link Footprint Minnesota

Affidavit of Robert Brigham
Docket No. P-421/AM-16-496
June 30, 2016, Exhibit RHB-5



Sprint Wireless Coverage Century Link Footprint Minnesota

Affidavit of Robert Brigham
Docket No. P-421/AM-16-496
June 30, 2016, Exhibit RHB-5



Cable Voice Presence in CenturyLink QC Wire Centers (Sharetracker)

CLLI	WIRECENTER	Cable One, Inc.	Charter Communications	Comcast Cable Communications	Mediacom	Midcontinent Communications	Other	Total Cable Voice Lines	QC Primary Res Access Lines
[Highly Sensitive Not Public Data Begins]									
AFTNMNAF	AFTON								
ALLEMNAL	ALBERT LEA								
ANOKMNAN	ANOKA								
APPLMNAP	APPLETON								
AUSTMNAB	AUSTIN								
AVONMNVO	AVON								
BFLOMNBU	BUFFALO								
BLANMNBL	BLAINE								
BLTNMNCE	CEDAR								
BLTNMNNO	NORMANDALE								
BLTNMNSO	SOUTH								
BMDJMNBE	BEMIDJI								
BRCTMNBC	BROOKLYN CENTER								
BRHMMNBR	BRAHAM								
BRNMMNBA	BARNUM								
BRNRMNBR	BRAINERD								
BRVLMNBU	BURNSVILLE								
BTLKMNBA	BATTLE LAKE								
BUHLMNBU	BUHL								
BWBKMNBI	BIWABIK								
CHSHMNCS	CHISHOLM								
CHSTMNCH	BASS BROOK(COHASSET)								
CKTNMNCR	CROOKSTON								
CLDNMNCA	CALEDONIA								
CLQTMNCA	CLOQUET								
CLRNMNCO	COLERAINE								
CLSPMNCB	COLD SPRING								
CMBRMNCA	CAMBRIDGE								
CMSTMNCO	COMSTOCK								

CLLI	WIRECENTER	Cable One, Inc.	Charter Communications	Comcast Cable Communications	Mediacom	Midcontinent Communications	Other	Total Cable Voice Lines	QC Primary Res Access Lines
CNRPMNND	COON RAPIDS								
COOKMNCO	COOK								
CRTOMNCB	CARLTON								
CRYSMNCR	CRYSTAL								
CSSLMNCL	CASS LAKE								
CTFDMNCH	CHATFIELD								
CTGVMNCG	COTTAGE GROVE								
DLTHMNAF	DULUTH HEMLOCK								
DLTHMNCB	DULUTH CALUMET								
DLTHMNDB	DULUTH DOUGLAS								
DLTHMNLA	DULUTH LAKESIDE								
DLTHMNME	DULUTH MELROSE								
DLTHMNPL	DULUTH PIKE LAKE								
DTLKMNDL	DETROIT LAKES								
EAGNMNLB	EAGAN-LEXINGTON								
EDPRMNPE	EDEN PRAIRIE								
EDPRMNGP	GLEN PRAIRIE								
EKRVMNER	ELK RIVER								
EVLTMNEV	EVELETH								
EXCLMNEX	EXCELSIOR								
FNLDMNFO	FINLAND								
FOLYMNFO	FOLEY								
FRBLMNFA	FARIBAULT								
FRDLMNFR	FRIDLEY								
FRFLMNFB	FERGUS FALLS								
FRLKMNFL	FOREST LAKE								
GDMRMNGM	GRAND MARAIS								
GDRPMNGR	GRAND RAPIDS								
GLVLMNGL	GLENVILLE								
GLVYMNOR	ORCHARD								
GLWDMNGL	GLENWOOD								
GYLRMNGA	GAYLORD								

CLLI	WIRECENTER	Cable One, Inc.	Charter Communications	Comcast Cable Communications	Mediacom	Midcontinent Communications	Other	Total Cable Voice Lines	QC Primary Res Access Lines
HAMLMNHB	HAMEL								
HBNGMNHI	HIBBING								
HLFRMNCO	HOLDINGFORD								
HNCKMNHI	HINCKLEY								
HNGGMNHE	HENNING								
HNVRMNHB	HANOVER								
HPKNMNHO	HOPKINS								
HWLYMNHA	HAWLEY								
ISLKMNIL	ISLAND LAKE								
ISNTMNIS	ISANTI								
JCSNMNJA	JACKSON								
KEWTMNKE	KEWATIN								
LESRMNLS	LE SUEUR								
LTFDMNLI	LITCHFIELD								
LTFLMNLF	LITTLE FALLS								
LVRNMNLU	LUVERNE								
MHNMMNMA	MAHNOMEN								
MOLKMNML	MOOSE LAKE								
MORAMNMO	MORA								
MPLSMN07	MPLS 7TH AVE								
MPLSMNBB	MPLS BRYANT								
MPLSMNBE	MPLS BEARD								
MPLSMNDT	MPLS DOWNTOWN								
MPLSMNFR	MPLS FRANKLIN								
MPLSMNFS	MPLS FT SNELLING								
MPLSMNGE	MPLS CENTRAL AVE								
MPLSMNPE	MPLS PENN								
MPLSMNPI	MPLS PILLSBURY								
MPLSMNTF	MPLS 24TH AVE								
MPWDMNMA	MAPLEWOOD								
MRBLMNMA	MARBLE								
MRRSMNMO	MORRIS								

CLLI	WIRECENTER	Cable One, Inc.	Charter Communications	Comcast Cable Communications	Mediacom	Midcontinent Communications	Other	Total Cable Voice Lines	QC Primary Res Access Lines
MRSHMNMA	MARSHALL								
MTIRMNMI	MOUNTAIN IRON								
MTVDMNMO	MONTEVIDEO								
NBRNMNNB	NORTH BRANCH								
NCLTMNNC	NICOLLET								
NRFDMNNO	NORTHFIELD								
NSHWMNNA	NASHWAUK								
NSPLMNPR	PARK ROW								
NSSWMNNI	NISSWA								
NVRRMNNA	NAVARRE								
NWBTMNCL	CLEVELAND								
OGLVMNOA	OGILVIE								
OKGVMNOG	OAK GROVE								
OLIVMNOL	OLIVIA-BIRD ISLAND								
ORVLMNOR	ORTONVILLE-BIG STONE								
OWTNMNOW	OWATONNA								
PKRPMNPR	PARK RAPIDS								
PLMOMNFE	PLYMOUTH								
PNCYMNPC	PINE CITY								
PPSTMNPI	PIPESTONE								
PRTNMNPR	PRINCETON								
RCFDMN66	MPLS 66TH ST								
RCFRMNRO	ROCKFORD								
RDFLMNRA	REDWOOD FALLS-MORTON								
RDWNMNRW	RED WING								
ROCHMNRO	ROCHESTER								
RSCYMNRC	RUSH CITY								
RYTNMNRN	ROYALTON								
SABNMNSA	SABIN								
SDVLMNSO	SODERVILLE								
SHKPMNSH	SHAKOPEE								
SHVWMNRI	RICE								

CLLI	WIRECENTER	Cable One, Inc.	Charter Communications	Comcast Cable Communications	Mediacom	Midcontinent Communications	Other	Total Cable Voice Lines	QC Primary Res Access Lines
SKCTMNSC	SAUK CENTRE								
SLBAMNSA	SILVER BAY								
SNDSMNSA	SANDSTONE								
SPLSMNST	STAPLES								
STCDMNTD	ST CLOUD								
STCHMNSC	ST CHARLES								
STJSMNSJ	ST JOSEPH								
STPLMNBE	STPL BEECH								
STPLMNEM	STPL EMERSON								
STPLMNHBB	STPL FRONT								
STPLMNMI	STPLMIDWAY								
STPLMNMK	STPL MARKET								
STPRMNSP	ST PETER								
STVLMNST	STEWARTVILLE								
STWRMNST	STILLWATER								
SWVLMNSV	SWANVILLE								
TOFTMNTB	TOFTE								
TRACMNTR	TRACY								
TRFLMNTH	THIEF RIVER FALLS								
VRGNMNVII	VIRGINIA								
WADNMNWA	WADENA								
WASCMNWA	WASECA								
WBLKMNB	WHITE BEAR LAKE								
WBSHMNWA	WABASHA								
WINOMNWI	WINONA								
WLMRMNWI	WILLMAR								
WNDMMNWI	WINDOM								
WSPLMNWS	OAKDALE WEST								
WYZTMNWA	WAYZATA								
Grand Total	Totals								

Note: The Duluth Hemlock wire center includes Duluth Kenwood.

Highly Sensitive Not Public Data Ends]

Wire Center	Community within Wire Center	Wireless Competitive Service Providers Operating in Community	Wireline/Cable Competitive Service Providers Operating in Community
Afton	Afton Lakeland Lakeland Shores	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Albert Lea	Albert Lea Hayward	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications Jaguar Communications
Anoka	Anoka Champlin Ramsey	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Anoka	Dayton Elk River	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications
Appleton	Appleton	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Austin	Austin	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications Jaguar Communications
Avon	Avon	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Barnum	Barnum	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	SCI Broadband
Bass Brook (Cohasset)	Cohasset	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom Paul Bunyan Communications

Wire Center	Community within Wire Center	Wireless Competitive Service Providers Operating in Community	Wireline/Cable Competitive Service Providers Operating in Community
Battle Lake	Battle Lake	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Arvig Telephone Company
Bemidji	Bemidji	AT&T Wireless Sprint Wireless T-Mobile Verizon Wireless	Midcontinent Communications Paul Bunyan Communications
Biwabik	Biwabik Gilbert McKinley	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Blaine	Blaine Circle Pines Lexington Lino Lakes Mounds View Spring Lake Park	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Braham	Braham	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Brainerd	Brainerd Baxter	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications Consolidated Telecommunications Company
Brainerd	East Gull Lake	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	SCI Broadband Consolidated Telecommunications Company
Brooklyn Center	Brooklyn Center	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Buffalo	Buffalo	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications

Wire Center	Community within Wire Center	Wireless Competitive Service Providers Operating in Community	Wireline/Cable Competitive Service Providers Operating in Community
Buhl	Buhl Kinney Mountain Iron	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Burnsville	Burnsville	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Burnsville	Savage	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Caledonia	Caledonia	AT&T Wireless Mediacom Sprint Wireless Verizon Wireless	AcenTak
Cambridge	Cambridge	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Carlton	Carlton	AT&T Wireless Sprint Wireless T-Mobile Wireless	Mediacom
Cass Lake	Cass Lake	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Arvig Telephone Company Charter Communications Midcontinent Communications
Cedar Normandale South	Bloomington Richfield	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Chatfield	Chatfield	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Hiawatha Broadband Communications Mediacom Jaguar Communications

Wire Center	Community within Wire Center	Wireless Competitive Service Providers Operating in Community	Wireline/Cable Competitive Service Providers Operating in Community
Chisholm	Chisholm	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Cleveland	Roseville New Brighton	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Cloquet	Cloquet	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Cloquet	Mahnomon	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Arvig Telephone Company
Cold Spring	Cold Spring	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Coleraine	Coleraine Bovey	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	SCI Broadband
Comstock	Comstock	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Cook	Cook	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Coon Rapids	Coon Rapids	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications

Wire Center	Community within Wire Center	Wireless Competitive Service Providers Operating in Community	Wireline/Cable Competitive Service Providers Operating in Community
Cottage Grove	Cottage Grove Newport	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Crookston	Crookston	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Crystal	Crystal Robbinsdale New Hope	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Detroit Lakes	Detroit Lakes	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Arvig Telephone Company
Duluth Calumet Duluth Douglas Duluth Kenwood Duluth Lakeside Duluth Melrose Duluth Pike Lake	Duluth	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications
Duluth Calumet Duluth Melrose Duluth Pike Lake	Hermantown	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Eagan-Lexington	Eagan Mendota Mendota Heights	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Eagan-Lexington	Apple Valley	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications

Wire Center	Community within Wire Center	Wireless Competitive Service Providers Operating in Community	Wireline/Cable Competitive Service Providers Operating in Community
Eden Prairie	Eden Prairie Edina	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Elk River	Otsego	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications
Elk River	Elk River	AT&T Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications Comcast Cable Communications
Elk River	St. Francis	AT&T Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Eveleth	Eveleth	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Excelsior	Excelsior Tonka Bay Shorewood	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Excelsior	Minnetonka	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Faribault	Faribault	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications Jaguar Communications
Fergus Falls	Fergus Falls	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications

Wire Center	Community within Wire Center	Wireless Competitive Service Providers Operating in Community	Wireline/Cable Competitive Service Providers Operating in Community
Finland	Finland	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	
Foley	Foley	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Forest Lake	Forest Lake	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications Midcontinent Communications
Fridley	Fridley Hilltop	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Gaylord	Gaylord	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Glen Prairie	Chanhassen	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Glen Prairie	Eden Prairie	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Glenville	Glenville	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications Jaguar Communications
Glenwood	Glenwood	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications

Wire Center	Community within Wire Center	Wireless Competitive Service Providers Operating in Community	Wireline/Cable Competitive Service Providers Operating in Community
Grand Marias	Grand Marias	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Grand Rapids	Grand Rapids	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom Paul Bunyan Communications
Hamel	Plymouth	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Hamel	Medina	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Hanover	Hanover Rogers	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Hawley	Hawley	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Arvig Telephone Company
Henning	Henning	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Arvig Telephone Company
Hibbing	Hibbing	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Hinckley	Hinckley	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	SCI Broadband

Wire Center	Community within Wire Center	Wireless Competitive Service Providers Operating in Community	Wireline/Cable Competitive Service Providers Operating in Community
Holdingford	Holdingford	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Hopkins	Hopkins Minnetonka	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Isanti	Isanti	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Island Lake	Arnold	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications
Jackson	Jackson	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Southwest Broadband
Keewatin	Keewatin Nashwauk	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Le Sueur	Le Sueur	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Jaguar Communications Mediacom
Litchfield	Litchfield	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom NU-Telecom
Little Falls	Little Falls	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications

Wire Center	Community within Wire Center	Wireless Competitive Service Providers Operating in Community	Wireline/Cable Competitive Service Providers Operating in Community
Luverne	Luverne	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom Vast Broadband
Mahnomon	Mahnomon	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Arvig Telephone Company
Maplewood	Oakdale Lake Elmo	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Marble	Marble	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Marshall	Marshall	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications Vast Broadband
Minneapolis Downtown	Minneapolis	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Montevideo	Montevideo	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	AciraTV Charter Communications
Moose Lake	Moose Lake	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Mora	Mora	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications

Wire Center	Community within Wire Center	Wireless Competitive Service Providers Operating in Community	Wireline/Cable Competitive Service Providers Operating in Community
Morris	Morris	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	AciraTV Mediacom
Mountain Iron	Mountain Iron	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Mpls 66th St	Richfield	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Mpls 7th Ave Mpls Bryant Mpls Franklin Mpls Ft Snelling Mpls Penn Mpls Pillsbury Mpls 24th Ave	Minneapolis	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Mpls Beard	St. Louis Park	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Mpls Central Ave	Columbia Heights	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Nashwauk	Nashwauk	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Navarre	Minnetona Beach Orono	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom

Wire Center	Community within Wire Center	Wireless Competitive Service Providers Operating in Community	Wireline/Cable Competitive Service Providers Operating in Community
Nicollet	Nicollet	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Consolidated Communications Clara City Telephone Company
Nisswa	Nisswa Pequot Lakes	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications
North Branch	North Branch	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Northfield	Dennison Dundas Northfield	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications Jaguar Communications
Oak Grove	Oak Grove	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications Midcontinent Communications
Oak Grove	St. Francis	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Oakdale West	West St. Paul South St. Paul Inver Grove Heights	AT&T Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Ogilvie	Ogilvie	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Olivia-Bird Island	Olivia	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom

Wire Center	Community within Wire Center	Wireless Competitive Service Providers Operating in Community	Wireline/Cable Competitive Service Providers Operating in Community
Orchard	Medicine Lake Minnetonka	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Ortonville-Big Stone	Ortonville	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Owatonna	Owatonna	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications Jaguar Communications
Park Rapids	Park Rapids	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Arvig Telephone Company Charter Communications
Park Row	Lake Elmo	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Pine City	Pine City	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Pipestone	Pipestone	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom Vast Broadband
Plymouth	Plymouth	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Princeton	Princeton	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications

Wire Center	Community within Wire Center	Wireless Competitive Service Providers Operating in Community	Wireline/Cable Competitive Service Providers Operating in Community
Red Wing	Red Wing	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications Hiawatha Broadband Communications Mediacom
Redwood Falls-Morton	Redwood Falls	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom NU-Telecom
Rochester	Rochester	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications Jaguar Communications
Rockford	Rockford	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications
Rockford	Independence	AT&T Wireless Sprint Wireless T-Mobile Verizon Wireless	Mediacom
Royalton	Royalton	AT&T Wireless Duet Wireless Fallsnet Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Rush City	Rush City	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Sabin	Sabin	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Sandstone	Sandstone	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	SCI Broadband

Wire Center	Community within Wire Center	Wireless Competitive Service Providers Operating in Community	Wireline/Cable Competitive Service Providers Operating in Community
Sauk Centre	Sauk Centre	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Arvig Telephone Company Charter Communications
Shakopee	Shakopee	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Shakopee	Chanhassen	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Shoreview-Rice	Arden Hills Little Canada North Oaks	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Silver Bay	Silver Bay Beaver Bay	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Soderville	Andover	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Soderville	East Bethel	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Midcontinent Communications
Soderville	Bethel	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications Midcontinent Communications
Soderville	Ham Lake	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications

Wire Center	Community within Wire Center	Wireless Competitive Service Providers Operating in Community	Wireline/Cable Competitive Service Providers Operating in Community
St. Charles	St. Charles	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Hiawatha Broadband Communications Mediacom Jaguar Communications
St. Cloud	St. Cloud	AT&T Wireless Duet Wireless Palmer Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications Comcast Cable Communications Midcontinent Communications
St. Joseph	St. Joseph	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications Midcontinent Communications
St. Peter	St. Peter	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Consolidated Communications Mediacom
Staples	Staples	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Arvig Telephone Company Charter Communications
Stewartville	Stewartville	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications Jaguar Communications
Stillwater	Stillwater Oak Park Heights	AT&T Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Stpl Beec	Little Canada	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Stpl Emerson Stpl Front Stpl Midway Stpl Market	St. Paul Falcon Heights	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications

Wire Center	Community within Wire Center	Wireless Competitive Service Providers Operating in Community	Wireline/Cable Competitive Service Providers Operating in Community
Swanville	Swanville	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	
Thief River Falls	Thief River Falls	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Sjoberg's Cable TV
Tofte	Tofte	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	
Tracy	Tracy	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications Vast Broadband
Virginia	Virginia	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications
Virginia	Eveleth	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Wabasha	Wabasha	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Hiawatha Broadband Communications Midcontinent Communications
Wadena	Wadena	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Arvig Telephone Company Charter Communications
Waseca	Waseca	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Consolidated Communications Mediacom Jaguar Communications

Wire Center	Community within Wire Center	Wireless Competitive Service Providers Operating in Community	Wireline/Cable Competitive Service Providers Operating in Community
Wayzata	Long Lake Orono Wayzata	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Mediacom
Wayzata	Wayzata	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
White Bear Lake	Grant Hugo Mahtomedi Vadnais Heights White Bear Lake	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Comcast Cable Communications
Willmar	Willmar	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications
Windom	Windom	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	WindomNet
Winona	Winona	AT&T Wireless Sprint Wireless T-Mobile Wireless Verizon Wireless	Charter Communications Hiawatha Broadband Communications

Minnesota CenturyLink QC Access Lines by Wire Center

CLLI	Wire Center	2000 Access Lines	2005 Access Lines	2010 Access Lines	2015 Access Lines	% Change 2000 to 2015
[Highly Sensitive Not Public Data Begins]						
AFTNMNAF	AFTON					
ALLEMNAL	ALBERT LEA					
ANOKMNAN	ANOKA					
APPLMNAP	APPLETON					
AUSTMNAB	AUSTIN					
AVONMNVO	AVON					
BFLOMNBU	BUFFALO					
BLANMNBL	BLAINE					
BLTNMNCE	CEDAR					
BLTNMNNO	NORMANDALE					
BLTNMNNSO	BLOOMINGTON SOUTH					
BMDJMNBE	BEMIDJI					
BRCTMNBC	BROOKLYN CENTER					
BRHMMNBR	BRAHAM					
BRNMMNBA	BARNUM					
BRNRMNBR	BRAINERD					
BRVLMNBU	BURNSVILLE					
BTLKMNBA	BATTLE LAKE					
BUHLMNBU	BUHL					
BWBKMNBI	BIWABIK					
CHSHMNCS	CHISHOLM					
CHSTMNCH	BASS BROOK(COHASSET)					
CKTNMNCR	CROOKSTON					
CLDNMNCA	CALEDONIA					
CLQTMNCA	CLOQUET					
CLRNMNCO	COLERAINE					
CLSPMNCB	COLD SPRING					
CMBRMNCA	CAMBRIDGE					
CMSTMNCO	COMSTOCK					
CNRPMNND	COON RAPIDS					
COOKMNCO	COOK					
CRTOMNCB	CARLTON					
CRYSMNCR	CRYSTAL					
CSSLMNCL	CASS LAKE					
CTFDMNCH	CHATFIELD					
CTGVMNCG	COTTAGE GROVE					
DLTHMNAF	DULUTH HEMLOCK					
DLTHMNCB	DULUTH CALUMET					
DLTHMNDB	DULUTH DOUGLAS					
DLTHMNLA	DULUTH LAKESIDE					
DLTHMNME	DULUTH MELROSE					

CLLI	Wire Center	2000 Access Lines	2005 Access Lines	2010 Access Lines	2015 Access Lines	% Change 2000 to 2015
DLTHMNPL	DULUTH PIKE LAKE					
DTLKMNDL	DETROIT LAKES					
EAGNMNLB	EAGAN-LEXINGTON					
EDPRMNEP	EDEN PRAIRIE					
EDPRMNGP	GLEN PRAIRIE					
EKRVMNER	ELK RIVER					
EVLTMNEV	EVELETH					
EXCLMNEX	EXCELSIOR					
FNLDMNFO	FINLAND					
FOLYMNFO	FOLEY					
FRBLMNFA	FARIBAULT					
FRDLMNFR	FRIDLEY					
FRFLMNFB	FERGUS FALLS					
FRLKMNFL	FOREST LAKE					
GDMRMNGM	GRAND MARAIS					
GDRPMNGR	GRAND RAPIDS					
GLVLMNGL	GLENVILLE					
GLVYMNOR	ORCHARD					
GLWDMNGL	GLENWOOD					
GYLRMNGA	GAYLORD					
HAMLMNHB	HAMEL					
HBNGMNHI	HIBBING					
HLFRMNCO	HOLDINGFORD					
HNCKMNHI	HINCKLEY					
HNNGMNHE	HENNING					
HNVRMNHB	HANOVER					
HPKNMNHO	HOPKINS					
HWLYMNHA	HAWLEY					
ISLKMNIL	ISLAND LAKE					
ISNTMNIS	ISANTI					
JCSNMNJA	JACKSON					
KEWTMNKE	KEEWATIN					
LESRMNLS	LE SUEUR					
LTFDMNLI	LITCHFIELD					
LTFLMNLF	LITTLE FALLS					
LVRNMNLU	LUVERNE					
MHNMMNMA	MAHNOMEN					
MOLKMNML	MOOSE LAKE					
MORAMNMO	MORA					
MPLSMN07	MPLS 7TH AVE					
MPLSMNBB	MPLS BRYANT					
MPLSMNBE	MPLS BEARD					
MPLSMNDT	MPLS DOWNTOWN					
MPLSMNFR	MPLS FRANKLIN					
MPLSMNFS	MPLS FT SNELLING					

CLLI	Wire Center	2000 Access Lines	2005 Access Lines	2010 Access Lines	2015 Access Lines	% Change 2000 to 2015
MPLSMNGE	MPLS CENTRAL AVE					
MPLSMNPE	MPLS PENN					
MPLSMNPI	MPLS PILLSBURY					
MPLSMNTF	MPLS 24TH AVE					
MPWDMNMA	MAPLEWOOD					
MRBLMNMA	MARBLE					
MRRSMNMO	MORRIS					
MRSHMNMA	MARSHALL					
MTIRMNMI	MOUNTAIN IRON					
MTVDMNMO	MONTEVIDEO					
NBRNMNNB	NORTH BRANCH					
NCLTMNNC	NICOLLET					
NRFDMNNO	NORTHFIELD					
NSHWMNNA	NASHWAUK					
NSPLMNPR	PARK ROW					
NSSWMNNI	NISSWA					
NVRRMNNA	NAVARRE					
NWBTMNCL	CLEVELAND					
OGLVMNOA	OGILVIE					
OKGVMNOG	OAK GROVE					
OLIVMNOL	OLIVIA-BIRD ISLAND					
ORVLMNOR	ORTONVILLE-BIG STONE					
OWTNMNOW	OWATONNA					
PKRPMNPR	PARK RAPIDS					
PLMOMNFE	PLYMOUTH					
PNCYMNPC	PINE CITY					
PPSTMNPI	PIPESTONE					
PRTNMNPR	PRINCETON					
RCFDMN66	MPLS 66TH ST					
RCFRMNRO	ROCKFORD					
RDFLMNRA	REDWOOD FALLS-MORTON					
RDWNMNRW	RED WING					
ROCHMNRO	ROCHESTER					
RSCYMNRC	RUSH CITY					
RYTNMNRN	ROYALTON					
SABNMNSA	SABIN					
SDVLMNSO	SODERVILLE					
SHKPMNSH	SHAKOPEE					
SHVWMNRI	RICE					
SKCTMNSC	SAUK CENTRE					
SLBAMNSA	SILVER BAY					
SNDSMNSA	SANDSTONE					
SPLSMNST	STAPLES					
STCDMNTO	ST CLOUD					
STCHMNSC	ST CHARLES					

CLLI	Wire Center	2000 Access Lines	2005 Access Lines	2010 Access Lines	2015 Access Lines	% Change 2000 to 2015
STJSMNSJ	ST JOSEPH					
STPLMNBE	ST PAUL BEECH					
STPLMNEM	ST PAUL EMERSON					
STPLMNH	ST PAUL FRONT					
STPLMNMI	ST PAUL MIDWAY					
STPLMNMK	ST PAUL MARKET					
STPRMNSP	ST PETER					
STVLMNST	STEWARTVILLE					
STWRMNST	STILLWATER					
SWVLMNSV	SWANVILLE					
TOFTMNTB	TOFTE					
TRACMNTR	TRACY					
TRFLMNTH	THIEF RIVER FALLS					
VRGNMNV	VIRGINIA					
WADNMNWA	WADENA					
WASCMNWA	WASECA					
WBLKMNWB	WHITE BEAR LAKE					
WBSHMNWA	WABASHA					
WINOMNWI	WINONA					
WLMRMNWI	WILLMAR					
WNDMMNWI	WINDOM					
WSPLMNWS	OAKDALE WEST					
WYZTMNWA	WAYZATA					
Total						

Highly Sensitive Not Public Data Ends]