



**Lumen**  
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Suite 970  
Raleigh, NC 27601  
Phone 984-237-1330  
[Jeanne.W.Stockman@lumen.com](mailto:Jeanne.W.Stockman@lumen.com)

**Jeanne W. Stockman**  
Associate General Counsel

March 10, 2021

**VIA ELECTRONIC FILING**

Mr. Adam Teitzman, Director  
Office of Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850

Re: Approval of Application of CenturyLink Communications, LLC for Designation  
as an Eligible Telecommunications Carrier  
Docket No. No. 20210047-TX – REDACTED Version

Dear Mr. Teitzman:

On behalf of CenturyLink Communications, LLC (“CenturyLink”), transmitted herewith for filing in the above-referenced docket are redacted responses to data requests issued March 3, 2021 related to CenturyLink’s pending application for designation as an Eligible Telecommunications Carrier in the State of Florida. Exhibit A to these responses contains competitive information regarding CenturyLink’s service and expansion plans in Florida, which constitutes proprietary confidential business information under Section 364.183, Florida statutes. This information has been redacted from public view and the confidential version of Exhibit A will be provided under separate cover to the Commission.

Please acknowledge receipt of this filing. If you have any questions on this matter, please contact me at 984-237-1330.

Sincerely,

/s/ Jeanne W. Stockman  
Jeanne W. Stockman

JWS/sc  
Enclosure(s)

**Data Request for Docket No. 20210047-TX  
Responses of CenturyLink Communications, LLC**

1. Please provide a copy of CenturyLink's long-form application for the RDOF auction (FCC Form 683).

**CENTURYLINK: CenturyLink's long-form application for the State of Florida is attached as CONFIDENTIAL Exhibit A. Confidential portions of the long-form application have been redacted from public view.**

Florida Statutes specify additional requirements of ETCs regarding the provision of the Lifeline program.

2. ETCs offering Lifeline service in Florida must participate in the Coordinated Enrollment Process established by Section 364.10(2)(g), F.S. Will CenturyLink be able to comply with this Statute?

**CENTURYLINK: Yes.**

3. Section 364.105, F.S., requires that ETCs offering Lifeline service in Florida offer a 30 percent discount to customers who no longer qualify for the Lifeline program for a period of one calendar year. Will CenturyLink be able to comply with this Statute?

**CENTURYLINK: Yes.**



(Print Copy For Reference Only)  
**Auctions: Form 683**

Status: **Submitted**  
Date Received: 2/11/21  
File Number: **0009391329**

## Applicant Information

### Legal Classification

Corporation

### Applicant Name

Entity Name	Address	Jurisdiction of Formation
Centurylink, Inc	100 Centurylink Drive Monroe , LA 71203 United States	Louisiana

### Responsible Party: Corporation

Name	Phone	Email
<b>Stacey W Goff</b> <i>EVP, General Counsel</i>	(318) 388-9539	Stacey.Goff@Centurylink.com

### Contact Information

Name	Phone	Fax	Email	Address
<b>Thomas R Freeberg</b>	(763) 913-0763	(612) 861-8173	Tom.Freeberg@Centurylink.com	300 W. 66th Street Suite 100 Richfield , MN 55423 United States

### Winning Bids ETC Designation

Package/Item Name	ETC	State
FL-015-0301003	Yes	Florida
FL-015-0305032	Yes	Florida
FL-021-0114003	Yes	Florida
FL-043-0002003	Yes	Florida
FL-043-0003002	Yes	Florida
FL-051-0006001	Yes	Florida
FL-075-9705003	Yes	Florida
FL-129-0102021	Yes	Florida

### Financial Statements

Question	Response
Did the applicant submit audited financial statements with its short-form application?	Yes

## Winning Bids

**EXHIBIT A**

**CONFIDENTIAL**

**Winning Bids Attachments**

File Name	Type	Description	State	Date Uploaded	Upload Status
ETC_Order_Designation_list.pdf	ETC Designation	ETC Designation List	FL	01/22/2021 03:12:36 PM ET	Converted Successfully
Initial Project Overview CenturyLink Logging Form.docx	Initial Project Overview	Initial Project Overview CTL LF	FL	01/26/2021 03:30:12 PM ET	Converted Successfully
RDOF Project Funding_.docx	Project Funding Description	CTL Project Funding	FL	01/26/2021 03:32:27 PM ET	Converted Successfully
CenturyLink RDOF Overall Network Design_.pdf	Technology and System Design Description	CTL Overall Network Design	FL	02/10/2021 01:14:21 PM ET	Converted Successfully
Commitment to Issue Letter of Credit to FCC on Behalf of Lumen.pdf	Letter of Credit Commitment Letter	CTL Line of Credit Commitment Letter	FL	02/10/2021 01:15:31 PM ET	Converted Successfully
CenturyLink RDOF Project Plan.pdf	Other	CTL Project Plan	FL	02/10/2021 01:17:04 PM ET	Converted Successfully

**Winning Bids Summary**

 <sup>X</sup> indicates a package (followed by the number of items within the package)

Show Bid Details

Winning Bid	State	Items	ETC	Status of Support
FL-015-0301003	FL	1	Yes	-
FL-015-0305032	FL	1	Yes	-
FL-021-0114003	FL	1	Yes	-
FL-043-0002003	FL	1	Yes	-
FL-043-0003002	FL	1	Yes	-
FL-051-0006001	FL	1	Yes	-
FL-075-9705003	FL	1	Yes	-
FL-099-0083011	FL	1	No	-
FL-129-0102021	FL	1	Yes	-

**Agreements**

**Agreements with Other Parties**

No, the applicant *has not* entered into partnerships, joint ventures, consortia, or other agreements, arrangements, or understandings of any kind relating to the potentially eligible areas being auctioned, including any agreements that address or communicate directly or indirectly bids (including specific prices), bidding strategies (including the specific potentially eligible areas on which to bid or not to bid), or the post-auction market structure, to which the applicant, or any party that controls or is controlled by the applicant, is a party.

**Agreements**

No agreements have been designated.

**Ownership**

**Disclosable Interest Holders of this Applicant**

**Shaun C Andrews**

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**Disclosable Interest Holder Information**

**EXHIBIT A**

**CONFIDENTIAL**

Type	FRN	Address	
Individual		100 Centurylink Drive Monroe, LA 71203	

Type of Interest in Applicant	Type of Ownership Interest in Applicant	Disclosable Interest Held in Applicant	Country of Citizenship
<ul style="list-style-type: none"> <li>■ Direct Ownership Interest in Applicant</li> <li>■ Officer</li> </ul>	<ul style="list-style-type: none"> <li>■ Common Stock : Voting</li> </ul>	0.01%	United States

**FCC Regulated Business held by this Disclosable Interest Holder**  
*You have not specified any FCC Regulated Businesses held by this Disclosable Interest Holder*

**Martha Bejar**

**Disclosable Interest Holder Information**

Type	FRN	Address	
Individual		100 Centurylink Drive Monroe, LA 71203	

Type of Interest in Applicant	Type of Ownership Interest in Applicant	Disclosable Interest Held in Applicant	Country of Citizenship
<ul style="list-style-type: none"> <li>■ Direct Ownership Interest in Applicant</li> <li>■ Director</li> </ul>	<ul style="list-style-type: none"> <li>■ Common Stock : Voting</li> </ul>	0.01%	United States

**FCC Regulated Business held by this Disclosable Interest Holder**  
*You have not specified any FCC Regulated Businesses held by this Disclosable Interest Holder*

**Virginia Boulet**

**Disclosable Interest Holder Information**

Type	FRN	Address	
Individual		100 Centurylink Drive Monroe, LA 71203	

Type of Interest in Applicant	Type of Ownership Interest in Applicant	Disclosable Interest Held in Applicant	Country of Citizenship
<ul style="list-style-type: none"> <li>■ Direct Ownership Interest in Applicant</li> <li>■ Director</li> </ul>	<ul style="list-style-type: none"> <li>■ Common Stock : Voting</li> </ul>	0.01%	United States

**FCC Regulated Business held by this Disclosable Interest Holder**  
*You have not specified any FCC Regulated Businesses held by this Disclosable Interest Holder*

**Peter Brown**

**Disclosable Interest Holder Information**

Type	FRN	Address
Individual		100 Centurylink Drive Monroe, LA 71203

Type of Interest in Applicant	Type of Ownership Interest in Applicant	Disclosable Interest Held in Applicant	Country of Citizenship
<ul style="list-style-type: none"> <li>■ Direct Ownership Interest in Applicant</li> <li>■ Director</li> </ul>	<ul style="list-style-type: none"> <li>■ Common Stock : Voting</li> </ul>	0.01%	United States

**FCC Regulated Business held by this Disclosable Interest Holder**

*You have not specified any FCC Regulated Businesses held by this Disclosable Interest Holder*

**Kevin Chilton**

**Disclosable Interest Holder Information**

Type	FRN	Address
Individual		100 Centurylink Drive Monroe, LA 71203

Type of Interest in Applicant	Type of Ownership Interest in Applicant	Disclosable Interest Held in Applicant	Country of Citizenship
<ul style="list-style-type: none"> <li>■ Direct Ownership Interest in Applicant</li> <li>■ Director</li> </ul>	<ul style="list-style-type: none"> <li>■ Common Stock : Voting</li> </ul>	0.01%	United States

**FCC Regulated Business held by this Disclosable Interest Holder**

*You have not specified any FCC Regulated Businesses held by this Disclosable Interest Holder*

**Steven Clontz**

**Disclosable Interest Holder Information**

Type	FRN	Address
Individual		100 Centurylink Drive Monroe, LA 71203

Type of Interest in Applicant	Type of Ownership Interest in Applicant	Disclosable Interest Held in Applicant	Country of Citizenship
<ul style="list-style-type: none"> <li>■ Direct Ownership Interest in Applicant</li> <li>■ Director</li> </ul>	<ul style="list-style-type: none"> <li>■ Common Stock : Voting</li> </ul>	0.01%	United States

**FCC Regulated Business held by this Disclosable Interest Holder**

*You have not specified any FCC Regulated Businesses held by this Disclosable Interest Holder*

**Indraneel Dev**

**Disclosable Interest Holder Information**

Type	FRN	Address
Individual		100 Centurylink Drive Monroe, LA 71203

Type of Interest in Applicant	Type of Ownership Interest in Applicant	Disclosable Interest Held in Applicant	Country of Citizenship
<ul style="list-style-type: none"> <li>▪ Direct Ownership Interest in Applicant</li> <li>▪ Officer</li> </ul>	<ul style="list-style-type: none"> <li>▪ Common Stock : Voting</li> </ul>	0.01%	United States

**FCC Regulated Business held by this Disclosable Interest Holder**

*You have not specified any FCC Regulated Businesses held by this Disclosable Interest Holder*

**Michael Glenn**

**Disclosable Interest Holder Information**

Type	FRN	Address
Individual		100 Centurylink Drive Monroe, LA 71203

Type of Interest in Applicant	Type of Ownership Interest in Applicant	Disclosable Interest Held in Applicant	Country of Citizenship
<ul style="list-style-type: none"> <li>▪ Direct Ownership Interest in Applicant</li> <li>▪ Director</li> </ul>	<ul style="list-style-type: none"> <li>▪ Common Stock : Voting</li> </ul>	0.01%	United States

**FCC Regulated Business held by this Disclosable Interest Holder**

*You have not specified any FCC Regulated Businesses held by this Disclosable Interest Holder*

**Stacey W Goff**

**Disclosable Interest Holder Information**

Type	FRN	Address
Individual		100 Centurylink Drive Monroe, LA 71203

**EXHIBIT A**

**CONFIDENTIAL**

Type of Interest in Applicant	Type of Ownership Interest in Applicant	Disclosable Interest Held in Applicant	Country of Citizenship
<ul style="list-style-type: none"> <li>▪ Direct Ownership Interest in Applicant</li> <li>▪ Officer</li> </ul>	<ul style="list-style-type: none"> <li>▪ Common Stock : Voting</li> </ul>	0.01%	United States

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**FCC Regulated Business held by this Disclosable Interest Holder**  
*You have not specified any FCC Regulated Businesses held by this Disclosable Interest Holder*

**Bruce Hanks**

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**Disclosable Interest Holder Information**

Type	FRN	Address
Individual		100 Centurylink Drive Monroe, LA 71203

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Type of Interest in Applicant	Type of Ownership Interest in Applicant	Disclosable Interest Held in Applicant	Country of Citizenship
<ul style="list-style-type: none"> <li>▪ Direct Ownership Interest in Applicant</li> <li>▪ Director</li> </ul>	<ul style="list-style-type: none"> <li>▪ Common Stock : Voting</li> </ul>	0.01%	United States

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**FCC Regulated Business held by this Disclosable Interest Holder**  
*You have not specified any FCC Regulated Businesses held by this Disclosable Interest Holder*

**Hal Jones**

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**Disclosable Interest Holder Information**

Type	FRN	Address
Individual		100 Centurylink Drive Monroe, LA 71203

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Type of Interest in Applicant	Type of Ownership Interest in Applicant	Disclosable Interest Held in Applicant	Country of Citizenship
<ul style="list-style-type: none"> <li>▪ Direct Ownership Interest in Applicant</li> <li>▪ Director</li> </ul>	<ul style="list-style-type: none"> <li>▪ Common Stock : Voting</li> </ul>	0.01%	United States

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**FCC Regulated Business held by this Disclosable Interest Holder**  
*You have not specified any FCC Regulated Businesses held by this Disclosable Interest Holder*

**Michael Roberts**

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**Disclosable Interest Holder Information**

**EXHIBIT A**

**CONFIDENTIAL**

Type	FRN	Address	
Individual		100 Centurylink Drive Monroe, LA 71203	

Type of Interest in Applicant	Type of Ownership Interest in Applicant	Disclosable Interest Held in Applicant	Country of Citizenship
<ul style="list-style-type: none"> <li>■ Direct Ownership Interest in Applicant</li> <li>■ Director</li> </ul>	<ul style="list-style-type: none"> <li>■ Common Stock : Voting</li> </ul>	0.01%	United States

**FCC Regulated Business held by this Disclosable Interest Holder**  
*You have not specified any FCC Regulated Businesses held by this Disclosable Interest Holder*

**Laurie Siegel**

Type	FRN	Address	
Individual		100 Centurylink Drive Monroe, LA 71203	

Type of Interest in Applicant	Type of Ownership Interest in Applicant	Disclosable Interest Held in Applicant	Country of Citizenship
<ul style="list-style-type: none"> <li>■ Direct Ownership Interest in Applicant</li> <li>■ Director</li> </ul>	<ul style="list-style-type: none"> <li>■ Common Stock : Voting</li> </ul>	0.01%	United States

**FCC Regulated Business held by this Disclosable Interest Holder**  
*You have not specified any FCC Regulated Businesses held by this Disclosable Interest Holder*

**Jeffrey K Storey**

Type	FRN	Address	
Individual		100 Centurylink Drive Monroe, LA 71203	

Type of Interest in Applicant	Type of Ownership Interest in Applicant	Disclosable Interest Held in Applicant	Country of Citizenship
<ul style="list-style-type: none"> <li>■ Direct Ownership Interest in Applicant</li> <li>■ Officer</li> <li>■ Director</li> </ul>	<ul style="list-style-type: none"> <li>■ Common Stock : Voting</li> </ul>	0.02%	United States

**FCC Regulated Business held by this Disclosable Interest Holder**  
*You have not specified any FCC Regulated Businesses held by this Disclosable Interest Holder*

**The Vanguard Group, Inc.****Disclosable Interest Holder Information**

Type	Entity Type	FRN	Address
Entity	Corporation		100 Vanguard Blvd. Malvern, PA 19355

Type of Interest in Applicant	Type of Ownership Interest in Applicant	Disclosable Interest Held in Applicant	Jurisdiction of Formation
<ul style="list-style-type: none"> <li>■ Direct Ownership Interest in Applicant</li> </ul>	<ul style="list-style-type: none"> <li>■ Common Stock : Voting</li> </ul>	11.95%	Pennsylvania

**FCC Regulated Business held by this Disclosable Interest Holder**

*You have not specified any FCC Regulated Businesses held by this Disclosable Interest Holder*

**Scott A Trezise****Disclosable Interest Holder Information**

Type	FRN	Address
Individual		100 Centurylink Drive Monroe, LA 71203

Type of Interest in Applicant	Type of Ownership Interest in Applicant	Disclosable Interest Held in Applicant	Country of Citizenship
<ul style="list-style-type: none"> <li>■ Direct Ownership Interest in Applicant</li> <li>■ Officer</li> </ul>	<ul style="list-style-type: none"> <li>■ Common Stock : Voting</li> </ul>	0.01%	United States

**FCC Regulated Business held by this Disclosable Interest Holder**

*You have not specified any FCC Regulated Businesses held by this Disclosable Interest Holder*

**FCC Regulated Businesses of this Applicant**

*You have not specified any FCC Regulated Businesses.*

**Certify and Submit****Certify Auction Application**

I certify the following:

1. that the applicant is in compliance with all statutory and regulatory requirements.
2. that the applicant is financially and technically qualified to meet the public interest obligations of section 54.309 of Title 47 of the Code of Federal Regulations for each relevant performance tier and latency combination and in each area for which it seeks support.

3. that the applicant will have available funds for all project costs that exceed the amount of support to be received from the Phase II auction for the first two years of its support term and will comply with all program requirements, including service milestones.
4. that the applicant will meet the public interest obligations for each relevant tier, including the requirement that it will offer service at rates that are equal to or lower than the Commission's reasonable comparability benchmarks for fixed services offered in urban areas.
5. that the applicant acknowledges that it must be designated as an Eligible Telecommunications Carrier pursuant to section 214(e) of Title 47 of the United States Code (47 U.S.C. § 214(e)) in the area(s) in which it will receive support prior to being authorized to receive such support. If the applicant has already been designated as an Eligible Telecommunications Carrier in any area(s) in which it will receive support, the applicant has provided a certification of its status in each such area and relevant documentation supporting that certification in this application. If the applicant has not yet been designated as an Eligible Telecommunications Carrier in an area in which it will receive support, the applicant will submit a certification of its status as an Eligible Telecommunications Carrier in each such area and relevant documentation supporting that certification no later than 180 days after the public notice identifying the winning bidders and prior to being authorized to receive such support.
6. that the description of spectrum access in areas for which the applicant will seek support provided in this application to participate in competitive bidding is correct and the applicant will retain such access for at least ten (10) years after the date on which it is authorized to receive support.
7. that the applicant and any party to this application are not subject to a denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988.
8. that the applicant is aware that if this application is shown to be defective, the application may be dismissed without further consideration and penalties may apply.

I declare, under penalties of perjury, that I am an authorized representative of the above named applicant, that I have read the instructions and the foregoing certifications, and that all matters and things stated in this application, its schedules, and attachments, including exhibits, are true and correct.

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**Signature****Eric J Mortensen***SVP Controller*

## EXHIBIT A

## CONFIDENTIAL

COMPANY NAME	DBA NAME	SAC #	ETC Designation Order	ETC Designation Date
CenturyTel of Alabama, LLC (Northern)	CenturyLink	259789	Alabama PSC, Order, Docket No. 28317	12/26/2001
CenturyTel of Alabama, LLC (Southern)	CenturyLink	259788	Alabama PSC, Order, Docket No. 28317	12/26/2001
Gulf Telephone Company, LLC	CenturyLink	250298	Alabama PSC, Order, Docket No. 25980	12/18/1997
Qwest Corporation (Arizona)	CenturyLink QC	455101	Arizona Corporation Commission, Decision No. 60513, Docket No. T-1051-97-637	12/18/1997
CenturyTel of Arkansas, Inc.	CenturyLink	401705	Arkansas PSC, Order No. 2, Docket No. 97-326-U	11/7/1997
CenturyTel of Central Arkansas, LLC	CenturyLink	401144	Arkansas PSC, Order No. 2, Docket No. 97-326-U	11/7/1997
CenturyTel of Mountain Home, Inc.	CenturyLink	401711	Arkansas PSC, Order No. 2, Docket No. 97-326-U	11/7/1997
CenturyTel of Redfield, Inc.	CenturyLink	401720	Arkansas PSC, Order No. 2, Docket No. 97-326-U	11/7/1997
CenturyTel of Northwest Arkansas, LLC (Siloam Springs)	CenturyLink	401143	Arkansas PSC, Order No. 2, Docket No. 97-326-U	11/7/1997
CenturyTel of South Arkansas, Inc.	CenturyLink	401727	Arkansas PSC, Order No. 2, Docket No. 97-326-U	11/7/1997
CenturyTel of Northwest Arkansas, LLC (Russellville)	CenturyLink	401142	Arkansas PSC, Order No. 2, Docket No. 97-326-U	11/7/1997
CenturyTel of Colorado, Inc.	CenturyLink	462208	Colorado PUC, In the Matter of the Designation of Telecommunications Providers as Eligible Telecommunications Carriers, Docket No. 97M-431	1997
Qwest Corporation (Colorado) f/k/a US WEST Communications, Inc.	CenturyLink QC	465102	Colorado PUC, Decision No. C97-1381, Docket No. 97A-474T	12/19/1997
The El Paso County Telephone Company	None	462187	Colorado PUC, In the Matter of the Designation of Telecommunications Providers as Eligible Telecommunications Carriers, Docket No. 97M-431	1997
CenturyTel of Eagle, Inc.	CenturyLink	462185	Colorado PUC, In the Matter of the Designation of Telecommunications Providers as Eligible Telecommunications Carriers, Docket No. 97M-431	1997
Embarq Florida, Inc.	CenturyLink	210341	Florida PSC, Order No. PSC-97-1262-FOF-TP, Docket No. 970644-TP and Docket No. 97-744-TP	10/14/1997
Coastal Utilities, Inc.	CenturyLink	220356	Georgia PSC, Order Granting Eligible Telecommunications Carrier Status Petition, In Re Petition of the Member Companies of the Georgia Telephone Association for Designation as Eligible Telecommunications Carriers, Docket No. 79860-U	10/2/1997
CenturyTel of the Gem State, Inc. (Idaho)	CenturyLink	472223	Idaho PUC, Order No. 27274, In the Matter of the Petition of Gem State Utilities Corporation d/b/a as PTI Communications to be Designated as an Eligible Telecommunications Carrier, Case No. GEM-T-97-I	12/24/1997
CenturyTel of Idaho, Inc. f/k/a Century Telephone of Idaho, Inc.	CenturyLink	472225	Idaho PUC, Order No. 27254, In the Matter of the Petition of Century Telephone of Idaho, Inc., Potlatch Telephone Company and Troy Telephone Company (d.b.a TDS Telecom) for Designation as Eligible Telecommunications Carriers, Case No. CEN-T-97-I	12/17/1997
Qwest Corporation (Southern Idaho) f/k/a US WEST Communications, Inc.	CenturyLink QC	475103	Idaho PUC, Order No. 27270, In the Matter of the Application of U S WEST Communications, Inc. to be Designated as an Eligible Telecommunications Carrier	12/24/1997

## EXHIBIT A

## CONFIDENTIAL

Qwest Corporation (Northern Idaho) f/k/a US WEST Communications, Inc.	CenturyLink QC	475162	Idaho PUC, Order No. 27270, In the Matter of the Application of U S WEST Communications, Inc. to be Designated as an Eligible Telecommunications Carrier	12/24/1997
Gallatin River Communications, LLC	CenturyLink GRC	341057	Illinois Commerce Commission, Order, Docket No. 98-0321, Order, Docket No. 99-0612	10/21/1998 2/24/2000
CenturyTel of Odon, Inc. f/k/a Century Telephone of Odon, Inc.	CenturyLink	320801	Indiana Utility Regulatory Commission, Opinion, Cause No. 41052-ETC-10	12/16/1997
CenturyTel of Central Indiana, Inc. f/k/a Century Telephone of Central Indiana, Inc.	CenturyLink	320747	Indiana Utility Regulatory Commission, Opinion, Cause No. 41052-ETC-09	12/9/1998
United Telephone Company of Indiana, Inc.	CenturyLink	320832	Indiana Utility Regulatory Commission, Opinion, Cause No. 41052-ETC-137	12/16/1997
CenturyTel of Postville, Inc. f/k/a Postville Telephone Company	CenturyLink	351274	Iowa Utilities Board, In re: Universal Service-Eligible Carriers, Order Granting Waivers and Designating Eligible Carriers, Docket No. IOWA ADMIN. CODE 199-39.2(4) (1997)	12/3/1997
Qwest Corporation (Iowa) f/k/a US WEST Communications, Inc.	CenturyLink QC	355141	Iowa Utilities Board, Order Granting Waivers and Designating Eligible Carriers, In re: Universal Service-Eligible Carrier, Docket No. IOWA ADMIN. CODE 199-39.2(4) (1997)	12/3/1997
CenturyTel of Chester, Inc. f/k/a Century Telephone of Chester, Inc.	CenturyLink	351126	Iowa Utilities Board, Order Granting Waivers and Designating Eligible Carriers, In re: Universal Service-Eligible Carrier, Docket No. IOWA ADMIN. CODE 199-39.2(4) (1997)	12/3/1997
Embarq Missouri, Inc. (Kansas)	CenturyLink	411957	Kansas Corporation Commission, Order, In the Matter of Establishing Guidelines for Designating Eligible Telecommunications Carriers (ETCs) by the State Commission under the Federal Communications Commission's (FCC's) Universal Service Order (FCC 97-157) specifically 47 C.F.R. subparts B and C in Compliance with the 1996 Federal Act Section 254 and Section 214(e), Docket No. 98-GIMT-241-GIT	12/5/1997
United Telephone Company of Eastern Kansas & United Telephone Company of Southcentral Kansas	CenturyLink	411317	Kansas Corporation Commission, Order, In the Matter of Establishing Guidelines for Designating Eligible Telecommunications Carriers (ETCs) by the State Commission under the Federal Communications Commission's (FCC's) Universal Service Order (FCC 97-157) specifically 47 C.F.R. subparts B and C in Compliance with the 1996 Federal Act Section 254 and Section 214(e) , Docket No. 98-GIMT-241-GIT	12/5/1997
United Telephone Company of Kansas	None	411842	Kansas Corporation Commission, Order, In the Matter of Establishing Guidelines for Designating Eligible Telecommunications Carriers (ETCs) by the State Commission under the Federal Communications Commission's (FCC's) Universal Service Order (FCC 97-157) specifically 47 C.F.R. subparts B and C in Compliance with the 1996 Federal Act Section 254 and Section 214(e), Docket No. 98-GIMT-241-GIT	12/5/1997
CenturyTel of North Louisiana, LLC	CenturyLink	270436	Louisiana PSC, Docket/Order No. U-22769	10/22/1997

## EXHIBIT A

## CONFIDENTIAL

CenturyTel of East Louisiana, LLC	CenturyLink	270440	Louisiana PSC, Docket/Order No. U-22769	10/22/1997
CenturyTel of Central Louisiana, LLC	CenturyLink	270423	Louisiana PSC, Docket/Order No. U-22769	10/22/1997
CenturyTel of Chatham, LLC	CenturyLink	270427	Louisiana PSC, Docket/Order No. U-22769	10/22/1997
CenturyTel of Evangeline, LLC	CenturyLink	270434	Louisiana PSC, Docket/Order No. U-22769	10/22/1997
CenturyTel of Ringgold, LLC	CenturyLink	270439	Louisiana PSC, Docket/Order No. U-22769	10/22/1997
CenturyTel of Southeast Louisiana, LLC	CenturyLink	270424	Louisiana PSC, Docket/Order No. U-22769	10/22/1997
CenturyTel of Southwest Louisiana, LLC	CenturyLink	270442	Louisiana PSC, Docket/Order No. U-22769	10/22/1997
CenturyTel of Northwest Louisiana, Inc.	CenturyLink	270431	Louisiana PSC, Docket/Order No. U-22769	10/22/1997
CenturyTel of Northern Michigan, Inc.	CenturyLink	310705	Michigan PSC, Opinion and Order, In the matter of the application of the Michigan Exchange Carriers Association, Inc. for certification of its members and Frontier Communications of Michigan, Inc., as eligible telecommunications carriers for universal service purposes. Case No. U-11548	11/25/1997
CenturyTel of Michigan, Inc.	CenturyLink	310702	Michigan PSC, Opinion and Order, In the matter of the application of the Michigan Exchange Carriers Association, Inc. for certification of its members and Frontier Communications of Michigan, Inc., as eligible telecommunications carriers for universal service purposes. Case No. U-11548	11/25/1997
CenturyTel Midwest - Michigan, Inc.	CenturyLink	310671	Michigan PSC, Opinion and Order, In the matter of the application of the Michigan Exchange Carriers Association, Inc. for certification of its members and Frontier Communications of Michigan, Inc., as eligible telecommunications carriers for universal service purposes. Case No. U-11548	11/25/1997
CenturyTel of Upper Michigan, Inc.	CenturyLink	310689	Michigan PSC, Opinion and Order, In the matter of the application of the Michigan Exchange Carriers Association, Inc. for certification of its members and Frontier Communications of Michigan, Inc., as eligible telecommunications carriers for universal service purposes. Case No. U-11548	11/25/1997
CenturyTel of Minnesota, Inc.	CenturyLink	361445	Minnesota PUC, Order Designating Petitioners As Eligible Telecommunications Carriers, Allowing Additional Time to Provide Certain Services, Approving Rate Reduction for Qualified Low Income Customers, and Requiring Filings, Docket No. P-99/M-97-1270 and Docket No. P-551/M-96-135	12/23/1997
Embarq Minnesota, Inc.	CenturyLink	361456	Minnesota PUC, Order Designating Petitioners As Eligible Telecommunications Carriers, Allowing Additional Time to Provide Certain Services, Approving Rate Reduction for Qualified Low Income Customers, and Requiring Filings, Docket No. P-99/M-97-1270 and Docket No. P-551/M-96-135	12/23/1997

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Qwest Corporation (Minnesota) f/k/a US WEST Communications, Inc.	CenturyLink QC	365142	Minnesota PUC, Order Designating Petitioners As Eligible Telecommunications Carriers, Allowing Additional Time to Provide Certain Services, Approving Rate Reduction for Qualified Low Income Customers, and Requiring Filings, Docket No. P-99/M-97-1270 and Docket No. P-551/M-96-135	12/23/1997
CenturyTel of North Mississippi, Inc.	None	280458	Mississippi PSC, Order, Docket No. 01-AD-573	8/14/2001
CenturyTel of Missouri, LLC (Belle-Herman) f/k/a GTE Midwest	CenturyLink	429785	Missouri PSC, Order, Case No. TO-98-188	12/31/1997
CenturyTel of Missouri, LLC (Central) f/k/a GTE Midwest	CenturyLink	429784	Missouri PSC, Order, Case No. TO-98-188	12/31/1997
CenturyTel of Missouri, LLC (Southern) f/k/a GTE Midwest	CenturyLink	429786	Missouri PSC, Order, Case No. TO-98-188	12/31/1997
CenturyTel of Missouri, LLC (Southwest) f/k/a GTE Midwest	CenturyLink	429787	Missouri PSC, Order, Case No. TO-98-188	12/31/1997
Spectra Communications Group, LLC f/k/a GTE Midwest	CenturyLink	421151	Missouri PSC, Order, Case No. TO-98-188	12/31/1997
Embarq Missouri, Inc. f/k/a United Telephone Company d/b/a Sprint	CenturyLink	421957	Missouri PSC, Order, Case No. TO-98-205	12/31/1997
CenturyTel of Montana, Inc.	CenturyLink	482249	Montana PSC, Order, Docket D96.2.18	9/2/1997
Qwest Corporation (Montana)	CenturyLink QC	485104	Montana PSC, Order, Docket D96.2.18	9/2/1997
Qwest Corporation (Nebraska)	CenturyLink QC	375143	Nebraska PSC, Order, Application No. C-1604	12/15/1997
United Telephone Company of the West (Nebraska)	CenturyLink	371595	Nebraska PSC, Order, Application No. C-1604	12/15/1997
Central Telephone Company (Nevada)	CenturyLink	552348	Nevada PUC, Order, Docket No. 11016	12/30/1997
CenturyTel of the Gem State, Inc. (Nevada)	CenturyLink	552223	Nevada PUC, Order, Docket No. 97-11042	12/30/1997
United Telephone Company of New Jersey, Inc.	CenturyLink	160138	New Jersey BPU, I/M/O Petition of the United Telephone Company of New Jersey Inc. for Designation as an Eligible Telecommunications Carrier, Order, Docket No. TT97120880	1/28/1998
CenturyTel of the Southwest, Inc.	CenturyLink	492274	New Mexico Public Regulation Commission Order, Case No. 97-93-TC	10/23/1997
Qwest Corporation (New Mexico)	CenturyLink QC	495105	New Mexico Public Regulation Commission Order, Case No. 97-93-TC	10/23/1997
Carolina Telephone and Telegraph Company LLC	CenturyLink	230470	North Carolina Utilities Commission, In the Matter of Designation of Carriers Eligible for Universal Service Support, Docket No. P-100, SUB 133c, Order Granting Waivers and Designating Carriers	12/15/1997
Central Telephone Company (North Carolina)	CenturyLink	230471	North Carolina Utilities Commission, In the Matter of Designation of Carriers Eligible for Universal Service Support, Docket No. P-100, SUB 133c, Order Granting Waivers and Designating Carriers	12/15/1997
Mebtel, Inc.	CenturyLink	230485	North Carolina Utilities Commission, In the Matter of Designation of Carriers Eligible for Universal Service Support, Docket No. P-100, SUB 133c, Order Granting Waivers and Designating Carriers	12/15/1997

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Qwest Corporation (North Dakota) f/a/a US WEST Communications, Inc.	CenturyLink QC	385144	North Dakota PSC, Order Designating Eligible Telecommunications Carrier for North Dakota, Case No. PU-314-97-522	12/17/1997
CenturyTel of Ohio, Inc.	CenturyLink	300630	Ohio PUC, In the Matter of the Commission Investigation of the Intrastate Universal Service Discounts, Order, Case No. 97-632-TP-COI	12/18/1997
United Telephone Company of Ohio	CenturyLink	300661	Ohio PUC, In the Matter of the Commission Investigation of the Intrastate Universal Service Discounts, Second Supplemental Finding and Order, Order, Case No. 97-632-TP-COI	12/23/1997
CenturyTel of Oregon, Inc.	CenturyLink	532361	Oregon PUC, Order No. 97-481 In the Matter of Applications to be Designated Eligible Telecommunications Carriers in the State of Oregon, Docket No. UM 873	12/16/1997
Qwest Corporation (Oregon)	CenturyLink QC	535163	Oregon PUC, Order No. 97-481 In the Matter of Applications to be Designated Eligible Telecommunications Carriers in the State of Oregon, Docket No. UM 873	12/16/1997
United Telephone Company of the Northwest (Oregon)	CenturyLink	532400	Oregon PUC, Order No. 97-481 In the Matter of Applications to be Designated Eligible Telecommunications Carriers in the State of Oregon, Docket No. UM 873	12/16/1997
CenturyTel of Eastern Oregon, Inc.	CenturyLink	532361	Oregon PUC, Order No. 97-481 In the Matter of Applications to be Designated Eligible Telecommunications Carriers in the State of Oregon, Docket No. UM 873	12/16/1997
United Telephone Company of Pennsylvania LLC, The	CenturyLink	170209	Pennsylvania PUC, Petition of the United Telephone Company of Pennsylvania, Inc. (Sprint/United) for Designation as an Eligible Telecommunications Carrier (ETC) - Docket No. P-00971285 & In Re: Formal Investigation to Examine and Establish Updated Universal Service Principles and Policies for Telecommunications Services In the Commonwealth, Opinion and Order, Docket No. P-00971285	12/26/1997
United Telephone Company of the Carolinas LLC	CenturyLink of the Carolinas	240506	South Carolina PSC, In Re: Proceeding to Establish Guidelines for an Interstate Universal Service, Order Designating LECs as Eligible Telecommunications Carriers	11/24/1997
Qwest Corporation (South Dakota)	CenturyLink QC	395145	South Dakota PUC, Order Granting and Denying Request for Reconsideration, Docket NO. TC97-163, Amended Findings of Fact, Conclusions of Law, Order and Notice of Entry of Order, Docket No. TC97-163	3/10/1998 12/17/1997
CenturyTel of Claiborne, Inc.	CenturyLink Claiborne	290557	TRA, In re: Universal service Generic Contested Case, Order Designating Eligible Telecommunications Carriers Pursuant to 47 U.S.C. § 214(e), The Telecommunications Act of 1996, Section 254(c) and FCC Order 97-157, Docket No. 97-00888	12/17/1997

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CenturyTel of Ooltewah-Collegedale, Inc.	CenturyLink Ooltewah-Collegedale	290574	TRA, In re: Universal service Generic Contested Case, Order Designating Eligible Telecommunications Carriers Pursuant to 47 U.S.C. § 214(e), The Telecommunications Act of 1996, Section 254(c) and FCC Order 97-157, Docket No. 97-00888	12/17/1997
United Telephone Southeast, LLC (Tennessee)	CenturyLink	290567	TRA, In re: Universal service Generic Contested Case, Order Designating Eligible Telecommunications Carriers Pursuant to 47 U.S.C. § 214(e), The Telecommunications Act of 1996, Section 254(c) and FCC Order 97-157, Docket No. 97-00888	12/17/1997
CenturyTel of Adamsville, Inc.	CenturyLink Adamsville	290552	TRA, In re: Universal service Generic Contested Case, Order Designating Eligible Telecommunications Carriers Pursuant to 47 U.S.C. § 214(e), The Telecommunications Act of 1996, Section 254(c) and FCC Order 97-157, Docket No. 97-00888	12/17/1997
Central Telephone Company of Texas, Inc.	CenturyLink	442114	Texas PUC, Order, Project No. 18100	12/10/1997
CenturyTel of Lake Dallas, Inc.	CenturyLink	442101	Texas PUC, Order, Project No. 18100	12/10/1997
CenturyTel of Port Aransas, Inc.	CenturyLink	442117	Texas PUC, Order, Project No. 18100	12/10/1997
CenturyTel of San Marcos, Inc.	CenturyLink	442140	Texas PUC, Order, Project No. 18100	12/10/1997
United Telephone Company of Texas, Inc	CenturyLink	442084	Texas PUC, Order, Project No. 18100	12/10/1997
Qwest Corporation (Utah)	CenturyLink QC	505107	Utah PSC Order Granting Designation as Eligible Telecommunications Carrier, Docket No. 97-049-30	12/23/1997
United Telephone Southeast, LLC (Virginia)	CenturyLink	190567	Virginia State Corporation Commission, In Re: Implementation of Requirements of § 214(e) of the Telecommunications Act of 1996, Case No. PUC 970135	12/18/1997
Central Telephone Company of Virginia	CenturyLink	190254	Virginia State Corporation Commission, In Re: Implementation of Requirements of § 214(e) of the Telecommunications Act of 1996, Case No. PUC 970135	12/18/1997
CenturyTel of Cowiche, Inc.	CenturyLink	522410	Washington Utilities and Transportation Commission, Order, Docket No. UT-970356	12/23/1997
CenturyTel of Washington, Inc. & CenturyTel of Inter-Island, Inc.	CenturyLink	522408	Washington Utilities and Transportation Commission, Order, Docket No. UT-970341	12/23/1997
Qwest Corporation (Washington)	CenturyLink QC	525161	Washington Utilities and Transportation Commission, Order, Docket No. UT-970354 Order No. 1, Docket No. UT-043030	12/23/1997 05/26/2004
United Telephone Company of the Northwest (Washington)	CenturyLink	522400	Washington Utilities and Transportation Commission, Order, Docket No. UT-970349	12/23/1997
CenturyTel of Larsen-Readfield, LLC	CenturyLink	330898	Wisconsin PSC, Order, Docket No. T5-TI-162	12/23/1997
CenturyTel of Monroe County, LLC	CenturyLink	330913	Wisconsin PSC, Order, Docket No. T5-TI-162	12/23/1997
CenturyTel of Central Wisconsin, LLC	CenturyLink	331159	Wisconsin PSC, Order, Docket No. T5-TI-162	12/23/1997
CenturyTel of Fairwater-Brandon-Alto, LLC	CenturyLink	330877	Wisconsin PSC, Order, Docket No. T5-TI-162	12/23/1997
CenturyTel of Forestville, LLC	CenturyLink	330884	Wisconsin PSC, Order, Docket No. T5-TI-162	12/23/1997
CenturyTel of the Midwest-Kendall, LLC	CenturyLink	330924	Wisconsin PSC, Order, Docket No. T5-TI-162	12/23/1997
CenturyTel of the Midwest-Wisconsin, LLC (Wayside)	CenturyLink	330970	Wisconsin PSC, Order, Docket No. T5-TI-162	12/23/1997

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CenturyTel of the Midwest-Wisconsin, LLC (Casco)	CenturyLink	330857	Wisconsin PSC, Order, Docket No. T5-TI-162	12/23/1997
CenturyTel of the Midwest-Wisconsin, LLC (Cencom)	CenturyLink	330841	Wisconsin PSC, Order, Docket No. T5-TI-162	12/23/1997
CenturyTel of the Midwest-Wisconsin, LLC (Platteville)	CenturyLink	330934	Wisconsin PSC, Order, Docket No. T5-TI-162	12/23/1997
CenturyTel of the Midwest-Wisconsin, LLC (Thorp)	CenturyLink	330959	Wisconsin PSC, Order, Docket No. T5-TI-162	12/23/1997
CenturyTel of the Midwest-Wisconsin, LLC (Northwest)	CenturyLink	330922	Wisconsin PSC, Order, Docket No. T5-TI-162	12/23/1997
CenturyTel of Northern Wisconsin, LLC	CenturyLink	330956	Wisconsin PSC, Order, Docket No. T5-TI-162	12/23/1997
CenturyTel of Southern Wisconsin, LLC	CenturyLink	330931	Wisconsin PSC, Order, Docket No. T5-TI-162	12/23/1997
CenturyTel of Wisconsin, LLC	CenturyLink	330895	Wisconsin PSC, Order, Docket No. T5-TI-162	12/23/1997
Telephone USA of Wisconsin, LLC	CenturyLink	331155	Wisconsin PSC, Order, Docket No. T5-TI-162	12/23/1997
CenturyTel of Northwest Wisconsin, LLC	CenturyLink	330950	Wisconsin PSC, Order, Docket No. T5-TI-162	12/23/1997
CenturyTel of Wyoming, Inc.	CenturyLink	512299	Wyoming PSC, In the Matter of the Application of Telephone Utilities of Wyoming, Inc. d/b/a PTI Communications for Authority to be Designated as an Eligible Telecommunications Carrier Under 77 U.S.C. Section 214 and Related Provisions, as Modified by the Newly Enacted Telecommunications Act of 1996, Docket No. 70003-30-TA-96 (Record 1702)	6/6/1997
Qwest Corporation (Wyoming)	CenturyLink QC	515108	Wyoming PSC, In The Matter of the Application of U S WEST Communications, Inc. for Authority to be Designated as an Eligible Telecommunications Carrier Under 47 U.S.C. Section 214(e)(2) of the Telecommunications Act of 1996, Docket No. 70000-357-TA-97 (Record 1646)	12/22/1997
United Telephone Company of the West (Wyoming)	CenturyLink of the West	511595	Wyoming PSC, In the Matter of the Application of United Telephone Company of the West for Authority to be Designated as an Eligible Telecommunications Carrier Under 47 U.S.C. Section 214(e)(2) of the Telecommunications Act of 1996, Docket No. 70009-57-TA-97 (Record 3872)	12/23/1997

**Initial Project Overview****FCC Form 683****Operational History**

*Residential service at one gigabit per second has been and is now available in select areas where CenturyLink is an incumbent local exchange carrier/Eligible Telecommunications Carrier. The service has been available for about five years. Residential service at one gigabit per second is being supplied to over 200,000 subscribing customers in 36 states currently. A variety of voice and broadband Internet access service options are available. The service descriptions do not vary by state. See [www.centurylink.com/residential](http://www.centurylink.com/residential). One gigabit/second broadband Internet access service involves no monthly usage limit or cap in any state.*

**Technology Design, Network Architecture, Services and Systems**

*CenturyLink technology and network architecture associated with fulfillment of its RDOF obligations is comprised of fiber optic cable and opto-electronics. This provides subscribers symmetric throughput at nearly one gigabit per second (940mbps). The last mile is a terrestrial passive optical network (i.e. no active powered electronics at closures and cabinetry in the field). The major components of the last mile include:*

- Fiber optic cable: A durable sheath protecting multiple optical glass strands that carry photonic signals of encoded data, voice, and video.*
- Optical Line Terminal: The device containing photonic and electronic equipment, including GPON modules associated with service to clusters of customers.*
- Gigabit Passive Optical Network (GPON) Modules: Equipment that combines data/voice/video signals from separate sources to a photonic wave directed toward downstream splitters and multiple customers.*
- Splitters: Optical devices that receive one optical signal and split it among multiple paths (e.g. a 1:32 splitter receives one signal and relays it to 32 downstream paths).*
- Optical Network Terminal: The terminating device at the customer premise that receives the optical signal, performs an optical/electrical conversion and provides ports to deliver services (Ethernet ports for data and RJ11 jacks for voice).*
- Gigabit Copper Technologies: G.fast can be used to provide 940 Mbps services over short drop twisted pair cables. This equipment does require powering. Other Gigabit Copper technologies are under investigation and may be used as well.*

*Middle-mile and last-mile architecture is multi-gigabit per second fiber-based. Investments in middle-mile and internet access gateways are focused on edge-compute services to support increasing demand for high-performance and ultra-low-latency necessary for emerging and increasingly sophisticated customer-owned devices and software. Voice service is supported by a mix of wireline IP-based packet-switched technology, and wireline circuit-switched time-division-multiplexed technology. Voice service is optional to the subscriber. It is supplied ala carte or as part of a bundle of*

*data and voice services. Where CenturyLink has not yet deployed fiber-based infrastructure, requests for voice service will involve resale of another service provider's existing infrastructure.*

*Middle-mile architecture is low-loss fiber-based. There are no significant variations state-to-state. CenturyLink uses reconfigurable optical add-drop multiplexers (ROADM) which have the ability to remotely switch traffic from a wavelength-division multiplexing system at the wavelength layer. This is achieved through the use of a wavelength selective switching module. This allows individual or multiple wavelengths carrying data channels to be added and/or dropped from a transport fiber without the need to convert the signals on all of the channels to electronic signals and back again to optical signals. CenturyLink uses Ethernet Ring Protection Switching per the ITU-T G.8032 standard providing sub-50ms protection and recovery switching of Ethernet traffic configured in a ring. This ensures no loops are formed at the Ethernet layer. G.8032v1 supports a single ring topology and G.8032v2 supports multiple rings/ladder topology. ERPS specifies protection switching mechanisms and a protocol for Ethernet layer network rings. Ethernet Rings provide wide-area multipoint connectivity more economically due to their reduced count of links. In some cases, a hub and spoke edge network is used to provide point-to-point Multi-gigabit speeds to the PON Access Nodes. Both Ring and Point-to-Point networks carry customer traffic to a BRAS (Broadband Router Access Server) uplinked to a pair of redundant AGW routers (Aggregation Gateway) that are uplinked to redundant Internet Peering links. These topologies achieve highly reliable and stable service level protection.*

*CenturyLink is a major IXP and significant Transit Service provider. Topologies, technologies and protocols involved are proven and exist. Standard passive optical networking technologies are used in the last mile. A Multi-Gigabit MOE (Metro Optical Ethernet) network will carry customer traffic as a CORE ETHERNET Network to a BRAS (Broadband Router Access Server) uplinked to a pair of redundant AGW routers (Aggregation Gateway) that are uplinked to redundant Internet Peering links. All links are 10G or 100G. This network is servicing Ethernet as Layer 2, with IP at Layer 3 end-to-end, which will support all Layer 4 – 7 customer traffic (Ex. TCP/UDP, SIP, SSH, HTTP/HTTPS, etc.).*

*CenturyLink will support its services using many proven inventory management, design, sales support, provisioning, maintenance, capacity management, and billing systems that have been in existence for more than five years.*

*Technology and the engineering design will fully support the necessary line speed, latency and voice service quality for the requisite number of locations during peak periods. Service quality supplied to customers will not vary based upon time of day, day of week or high traffic event. Upload line speed will match download speed. CenturyLink provides real-time monitoring and analysis of network performance and the performance of customers' internet connection. By measuring network performance from CenturyLink's devices to end user devices, we can provide:*

- Monitoring of throughput, usage, bandwidth timeouts, and residential gateway resets.*
- Identification of bottleneck, performance and coverage issues in facilities and equipment.*
- Isolation of problems outside or inside customer premises.*
- Identification of opportunities to optimize service.*
- Accurate measurement of wired and Wi-Fi speeds/throughput.*
- Discovery of optimal locations of wireless devices.*
- Capability such as:*
  - o Proactive notifications to optimize service*
  - o Offering of new products and services*

- o Parental controls*
- o SSID and password management*
- o Guest network management*
- o User and device profile management*

*CenturyLink does not track or collect data based upon content viewed, streamed, downloaded, uploaded, or written on applications or websites for purposes other than network performance monitoring without first giving its customer a choice about whether this is desired or not. Data collection as a result of network performance monitoring is stored within internal systems. CenturyLink and its authorized vendors, contractors and agents share the network performance monitoring data for the sole purpose of performing the services outlined above.*

*Voice service is available via longstanding analog and digital time division multiplexed circuit switching as well as via over-the-top packet switched internet protocol technology. A GPON placement might cover entirely new geography, might overlay an existing metallic network, or might replace a metallic network. Over-the top approaches deliver high service quality since latency is carefully managed (<100ms). In each case, service is monitored and alarmed at both the line and trunk level, 24 x 7. Major outages are carefully reported to regulators, E911 service is delivered with high consistency and other government customer services are managed with priority when necessary.*

*The services that CenturyLink supplies allow customers to communicate both domestically and internationally, via voice or data, often on infrastructure extensively owned by CenturyLink and operated by CenturyLink employees. Data communication line speed available to a customer will approximate 1 gigabit per second (940 Mbps throughput), and latency will consistently be much less than 100 milliseconds. The existing network is being augmented and expanded daily.*

*FTTH/FTTP split ratios are optimized for customer take-rate and grooming efficiency when PON ports become congested. Split Ratios may vary depending on each deployment scenario with the target to maintain a 1:64 subscriber split ratio per PON port. Network design will allow for reducing the ratio to 1:8, 1:16 or 1:32 when various physical situations/limitation may appear, or congestion is detected. The highest split ratio per PON Port is 1:128, and may be used limited situations, but will reduce to 1:64 or 1:32 when congestion is detected. Limited circumstances will involve use of 1 or 2-twisted pairs of copper wire over short/drop cable distances from the fiber termination point to the subscriber's home.*

*Last-mile/backhaul involves a Days To Exhaust (DTE) calculation, where active network capacity monitoring tools will flag links when congestion is projected to exhaust the interface (defined as 95% of the 95<sup>th</sup> percentile peak traffic) in less than 180 days. When an interface is calculated within that range, it is raised to a planner's attention by the capacity management/monitoring system.*

*CenturyLink will parse planned investment evenly across the timeline and across the geography. This would be similar to what CenturyLink executed per the CAF II program. Vendors, integrators and other suppliers have been able to provide commercially available and fully compatible network equipment/systems, interconnection, last mile technology and CPE to meet the performance and latency performance requirements at a cost consistent with applicant's buildout budget and in time*

*to meet service milestones. Customers with this technology are now an aspect of the CAF II program, including the FCC-mandated quarterly line speed and latency measurement task.*

*CenturyLink is not reliant upon a third-party network management provider. CenturyLink's proposed solution was internally developed as well as externally developed. It is internally operated.*

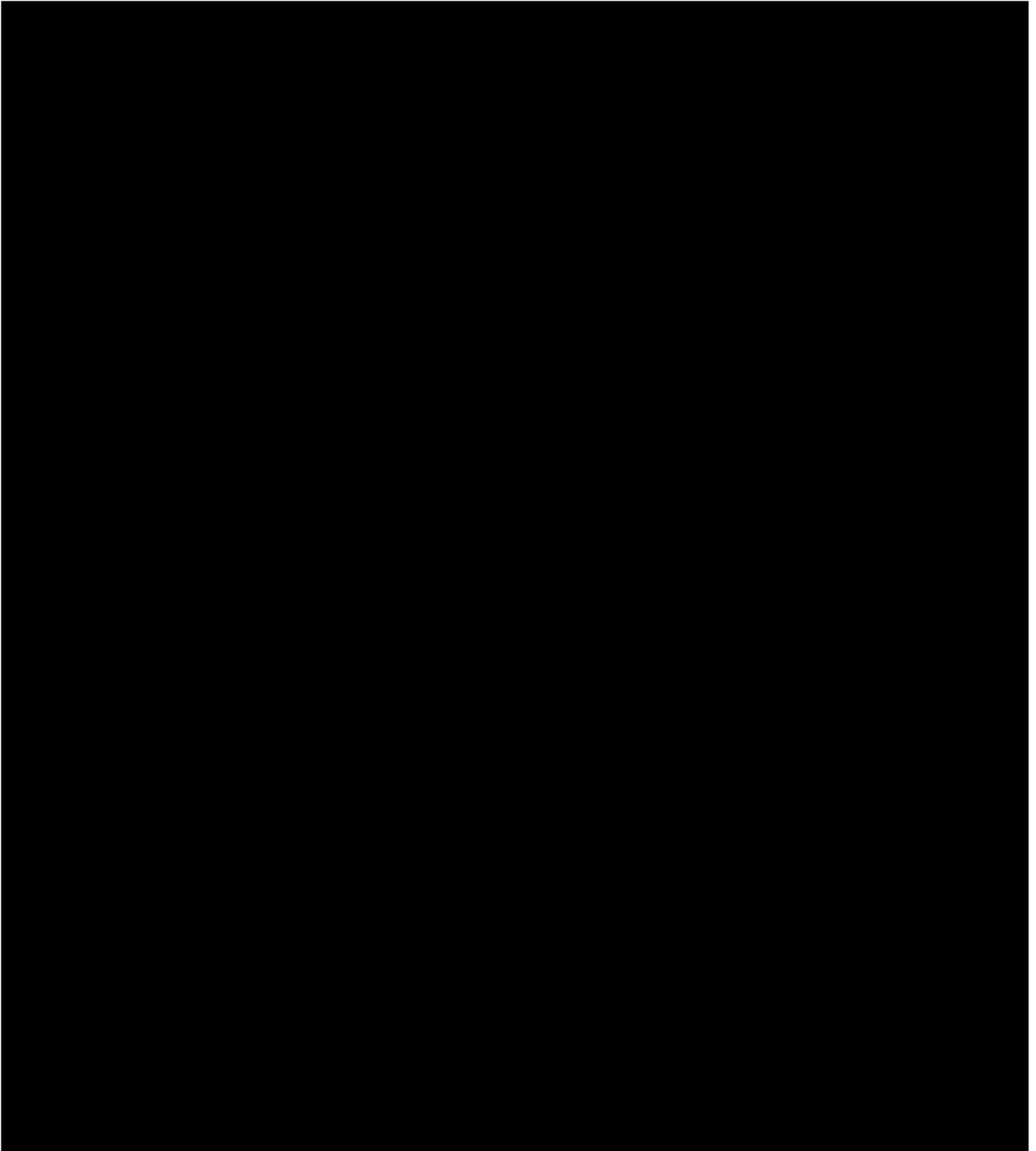
*CenturyLink's proposed solution expanded the functionality of formerly existing systems in many cases. Voice service is available to all addresses where internet access is available. Internet access options at a customer address are publicly available via a button on the CenturyLink website. Voice and data services can be purchased on-line or via live communication with a salesperson.*

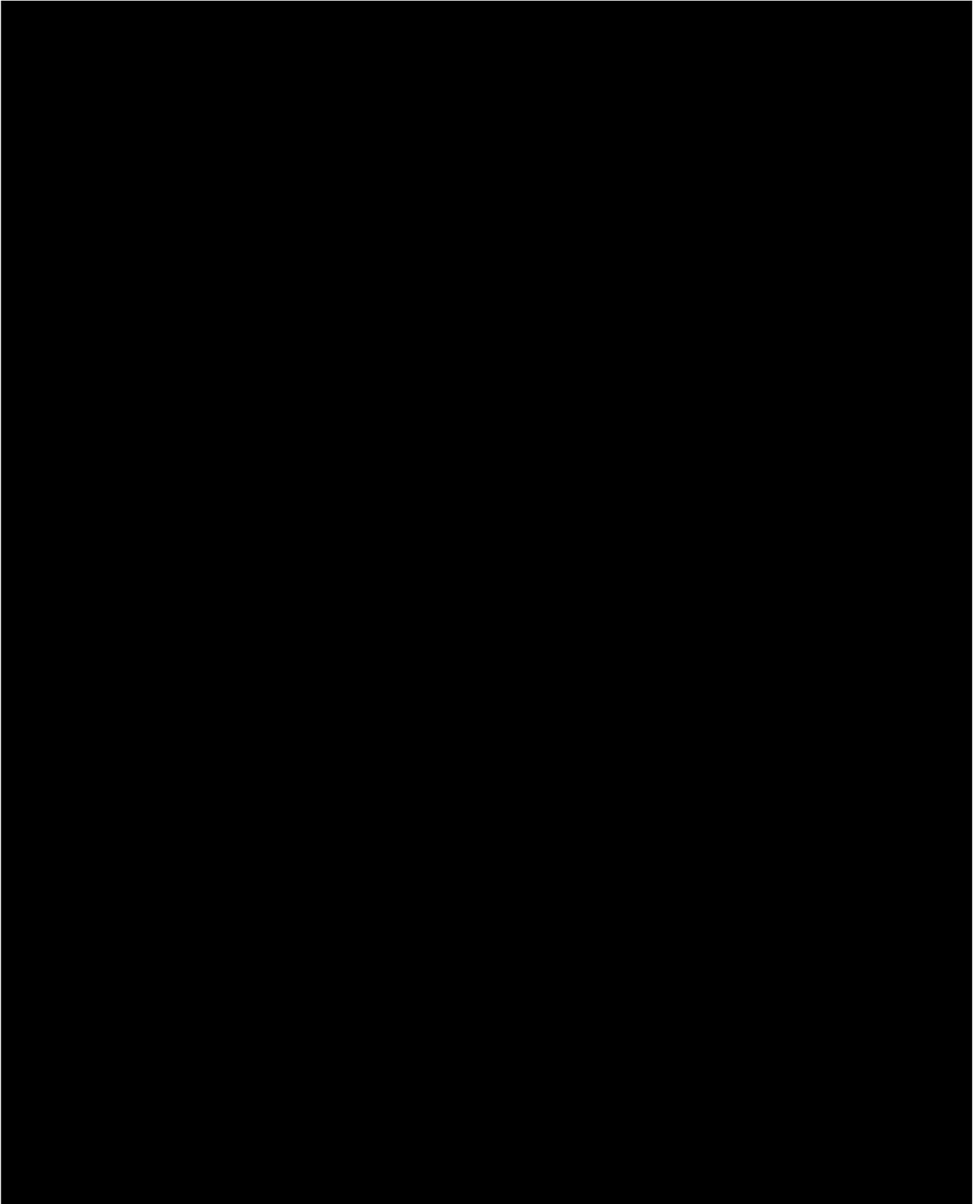
*Troubleshooting and technical support is available 24 x 7. Voice and data service delivery/customer order fulfillment/repair response and billing is measured and refined continuously, including via customer survey. Voice and data traffic are monitored and alarmed in real time at various points in the network. Where capacity within a component of the network is facing exhaust due to rising customer demand, augment of capacity is executed. CenturyLink's proposed solution will not rely upon components of its network that may become deteriorated or obsolete.*

*Network components are monitored and alarmed in real time at existing work centers that are staffed and responding around the clock. Fault isolation, troubleshooting and provisioning involve both fully mechanized solutions and human touch. Major outages are reported to the FCC per its thresholds and intervals.*

*CenturyLink has no plans to implement new systems in order to meet its requirements. CenturyLink is prepared to demonstrate that vendors, integrators, and suppliers can provide commercially available and fully compatible operations systems and tools for provisioning and maintaining the proposed network at cost consistent with applicant's buildout budget and in time to meet service milestones. CenturyLink offers extensive information about interconnection, customer-owned equipment and customer support on its website. <https://www.centurylink.com/home/>*

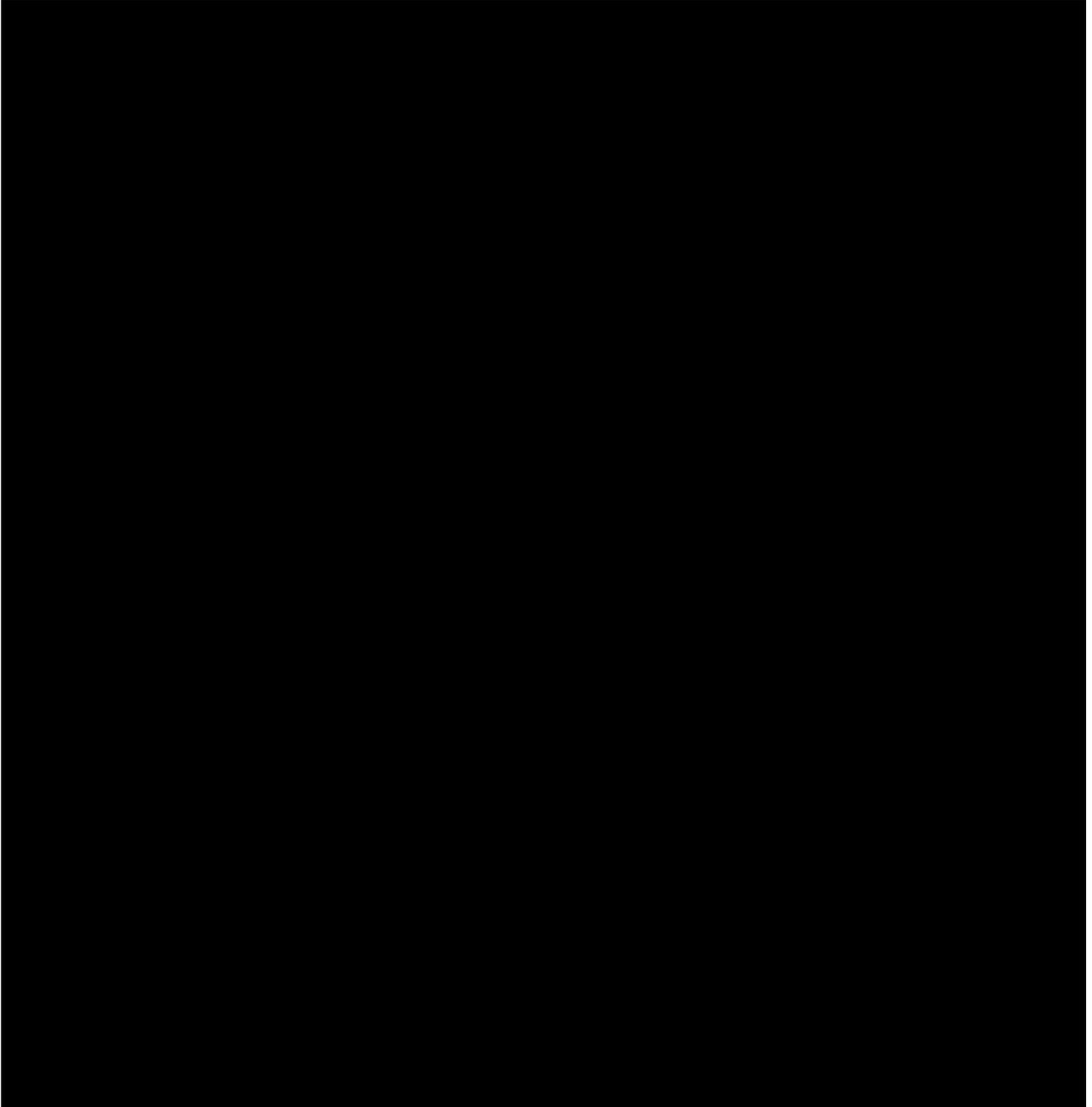
**CenturyLink Overall Network Design – all states, all Census Blocks**



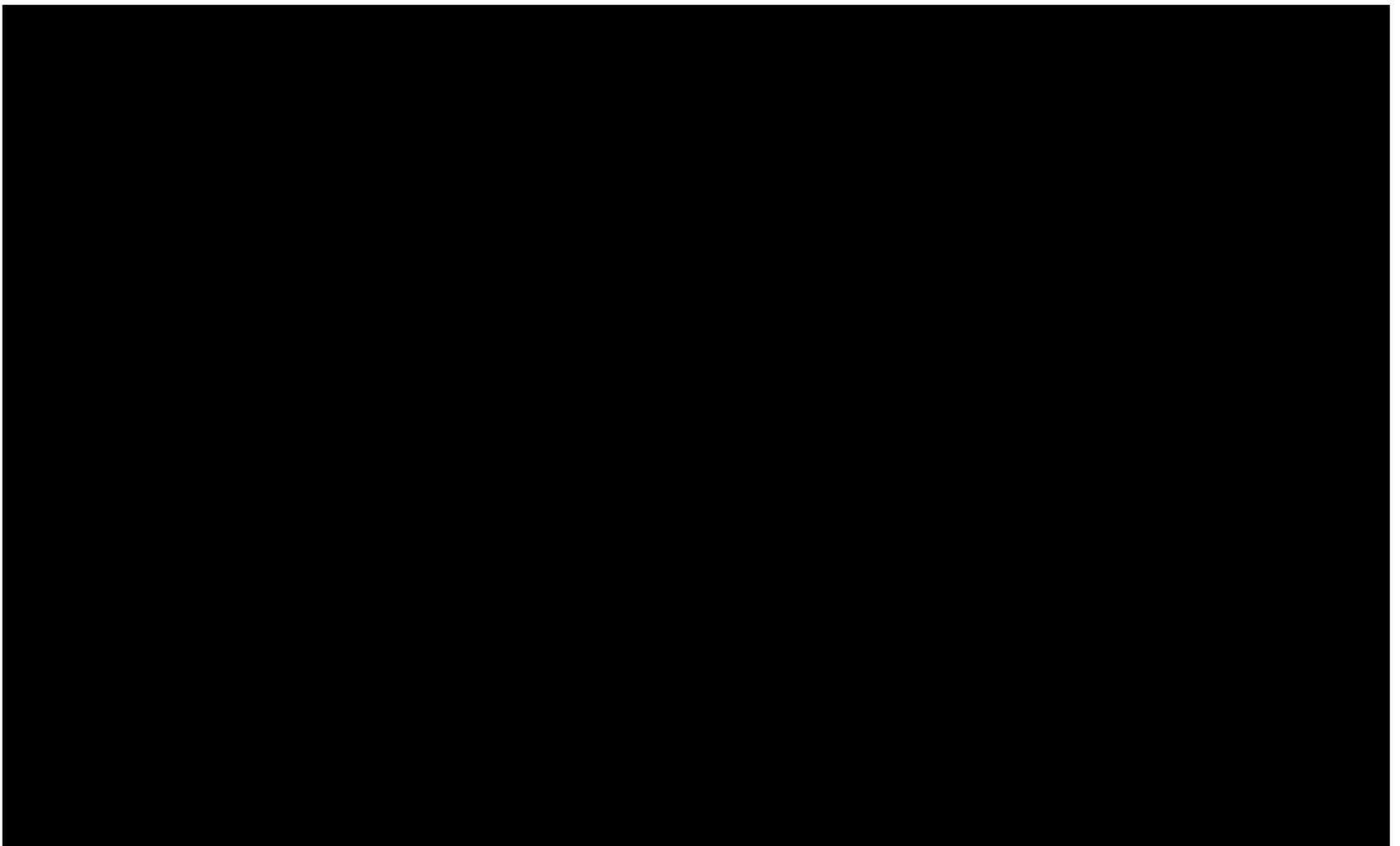




February 10, 2021



Attachment A



**CenturyLink RDOF Project Funding**

CenturyLink's annual RDOF support is \$26.2M. Construction will allow Tier 1 service availability to 77,300 customer addresses in 273 Census Block Groups. CenturyLink will construct 15 to 20% of its plan each year during the first six years of the program. [REDACTED]

We plan to complete RDOF deployment to 40 percent of the required number of locations as determined by the Connect America Cost Model by the end of the third year, to 60 percent by the end of the fourth year, to 80 percent by the end of the fifth year, and to 100% by the end of the sixth year. Within the interim milestones, some reprioritization of effort is likely over the course of implementation. As reflected in CenturyLink publicly available annual reports, it can cover the necessary debt service payments over the life of related loans, if any.

[https://s24.q4cdn.com/287068338/files/doc\\_financials/2019/CenturyLink-2019-Annual-Report-and-2020-Proxy-Statement.pdf](https://s24.q4cdn.com/287068338/files/doc_financials/2019/CenturyLink-2019-Annual-Report-and-2020-Proxy-Statement.pdf)

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State	Total Assigned Support Over 10 Years	Number of Locations	Support per year	Total (six-year) Construction Cost	2022 Construction Cost	2023 Construction Cost	2024 Construction Cost	2025 Construction Cost	2026 Construction Cost	2027 Construction Cost
AL	\$ 18,597,092	5,965	\$ 1,859,709							
AR	\$ 9,378,743	2,958	\$ 937,874							
CO	\$ 7,482,178	1,509	\$ 748,218							
FL	\$ 5,039,442	1,495	\$ 503,944							
ID	\$ 11,650,567	2,576	\$ 1,165,057							
LA	\$ 18,742,492	7,616	\$ 1,874,249							
MI	\$ 9,905,380	2,556	\$ 990,538							
MN	\$ 15,646,093	3,265	\$ 1,564,609							
MO	\$ 275,208	38	\$ 27,521							
MT	\$ 28,379,921	9,658	\$ 2,837,992							
NE	\$ 326,802	69	\$ 32,680							
NM	\$ 2,038,002	770	\$ 203,800							
NC	\$ 530,376	169	\$ 53,038							
OR	\$ 41,423,188	8,982	\$ 4,142,319							
PA	\$ 21,483,885	5,614	\$ 2,148,389							
SD	\$ 121,060	10	\$ 12,106							
VA	\$ 12,518,109	6,832	\$ 1,251,811							
WA	\$ 45,838,634	14,875	\$ 4,583,863							
WI	\$ 3,135,120	832	\$ 313,512							
WY	\$ 9,855,321	1,468	\$ 985,532							
	<b>\$ 262,367,614</b>	<b>77,257</b>	<b>\$ 26,236,761</b>							

# CenturyLink Initial RDOF Project Plan

## Location Detail:

State	2022	2023	2024	2025	2026	2027	Grand Total
AL							
AR							
CO							
FL							
ID							
LA							
MI							
MN							
MO							
MT							
NC							
NE							
NM							
OR							
PA							
SD							
VA							
WA							
WI							
WY							
<b>Grand Total</b>							

2022	2023	2024	2025	2026	2027

## CenturyLink Initial RDOF Project Plan

## CBG Detail:

State	Year of expected completion (4Q)	CBGFIPS	FCC Locations
AL		010059503001	235
AL		010059503002	143
AL		010059504001	454
AL		010139530001	218
AL		010139530002	307
AL		010139534002	441
AL		010210603002	719
AL		010259579011	278
AL		010279592001	376
AL		010359602002	431
AL		010450201003	136
AL		010450202002	311
AL		010499614003	187
AL		010872315003	280

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AL		011070500004	60
AL		011070501002	61
AL		011070501003	77
AL		011070502001	730
AL		011070502002	407
AL		011070504003	70
AL		011070504005	44
AR		050014804001	45
AR		050014806002	58
AR		050070207011	154
AR		050330201002	607
AR		050534701002	369
AR		050634908002	457
AR		050634908003	367
AR		050634908004	168
AR		050990903001	226
AR		051354704001	185
AR		051354704004	322
CO		080130137026	227

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CO	[REDACTED]	080370002001	147
CO	[REDACTED]	080370006001	222
CO	[REDACTED]	080590117241	28
CO	[REDACTED]	080659619001	735
CO	[REDACTED]	080690028031	56
CO	[REDACTED]	081170003001	94
FL	[REDACTED]	120150301003	57
FL	[REDACTED]	120150305032	84
FL	[REDACTED]	120210114003	63
FL	[REDACTED]	120430002003	359
FL	[REDACTED]	120430003002	104
FL	[REDACTED]	120510006001	190
FL	[REDACTED]	120759705003	438
FL	[REDACTED]	120990083011	158
FL	[REDACTED]	121290102021	42
ID	[REDACTED]	160059400002	97
ID	[REDACTED]	160119400002	119
ID	[REDACTED]	160459601001	485
ID	[REDACTED]	160499400001	342

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ID		160499400003	344
ID		160599703001	523
ID		160619400011	319
ID		160619400012	316
ID		160699607002	31
LA		220039505003	556
LA		220090309002	445
LA		220139703001	374
LA		220139703002	548
LA		220139703003	125
LA		220139704001	356
LA		220150112004	227
LA		220170248001	502
LA		220170249001	278
LA		220170249003	124
LA		220170251003	234
LA		220190036001	403
LA		220190036003	476
LA		220399501002	184

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LA		220399503002	199
LA		220399503005	144
LA		220399504002	74
LA		220419504003	436
LA		220530001002	295
LA		220790135001	516
LA		220790135005	257
LA		220919511003	544
LA		220919512001	257
LA		221159508001	62
MI		260019705001	306
MI		260639503001	152
MI		260690007001	434
MI		260873300001	315
MI		260873305001	464
MI		261570002001	374
MI		261570002003	197
MI		261570003003	314
MN		270030507104	84

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MN		270030508131	63
MN		270030511011	130
MN		270030512062	60
MN		270079400021	57
MN		270251101001	86
MN		270251101002	394
MN		270251102003	78
MN		270251103021	103
MN		270530265141	344
MN		270530267081	64
MN		270530268076	251
MN		270530268123	27
MN		270530269092	147
MN		270717903002	494
MN		270717905002	467
MN		270774603001	171
MN		270774604002	147
MN		271230413022	70
MN		271239800001	28

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MO		290939501002	38
MT		300090001002	201
MT		300290001001	157
MT		300290002011	141
MT		300290003005	128
MT		300290006021	68
MT		300290013022	451
MT		300290013023	294
MT		300290014001	160
MT		300290014002	112
MT		300290014003	257
MT		300290017001	1,355
MT		300290017002	18
MT		300290017003	264
MT		300290017004	361
MT		300290017006	409
MT		300359404001	255
MT		300359404002	87
MT		300359404004	137

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MT		300359800001	70
MT		300439623001	355
MT		300439623003	119
MT		300470002002	574
MT		300479403014	210
MT		300479403031	327
MT		300479403032	1,555
MT		300479403033	176
MT		300479403034	50
MT		300479404001	45
MT		300490012013	179
MT		300670001002	281
MT		300670005001	630
MT		300899403002	15
MT		301110015012	217
NC		370559705011	104
NC		371650104001	65
NE		311530106311	69
NM		350069415001	267

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NM		350350006011	136
NM		350459433001	367
OR		410019501001	398
OR		410019501002	63
OR		410019501003	201
OR		410019505001	233
OR		410079512003	707
OR		410099702004	222
OR		410099703001	74
OR		410099704001	206
OR		410099709001	68
OR		410099711001	194
OR		410099711002	324
OR		410170002001	347
OR		410191000003	529
OR		410219601002	12
OR		410279501001	53
OR		410290027001	309
OR		410290027004	436

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OR		410290030023	139
OR		410319400001	334
OR		410319603021	478
OR		410333601001	568
OR		410359701001	913
OR		410510071002	498
OR		410510105003	85
OR		410579601004	53
OR		410579602003	17
OR		410579603001	102
OR		410579604006	66
OR		410670328001	305
OR		410670334001	168
OR		410670334002	456
OR		410710304004	389
OR		410710305022	35
PA		420010304001	173
PA		420010304003	55
PA		420099605004	405

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PA		420099606001	202
PA		420099608004	56
PA		420099609002	365
PA		420099609003	240
PA		420099609004	286
PA		420099610001	601
PA		420099610004	804
PA		420130115002	264
PA		420550101002	572
PA		420550101003	967
PA		420550115001	65
PA		420579601001	79
PA		420619510001	217
PA		420619512004	191
PA		420879601001	72
SD		460879646001	10
VA		510310201021	426
VA		510310206001	94
VA		510310208001	440

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VA		510310208002	346
VA		510790301012	39
VA		510790301024	270
VA		510790302003	245
VA		510853201002	571
VA		510853202001	116
VA		510853202003	337
VA		510853203002	573
VA		511139302003	679
VA		511179302005	104
VA		511350001004	132
VA		511350002001	291
VA		511350002002	384
VA		511350002003	424
VA		511350003001	293
VA		511350003005	186
VA		511359801001	33
VA		511390302001	440
VA		511639304001	218

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VA		511639304003	122
VA		511639304004	69
WA		530050118001	131
WA		530050118004	112
WA		530090002001	264
WA		530090002002	347
WA		530090003002	235
WA		530090004001	404
WA		530090004002	461
WA		530090006002	506
WA		530099400001	414
WA		530110401013	113
WA		530110405041	147
WA		530110405042	274
WA		530150016001	74
WA		530150017004	143
WA		530250114023	558
WA		530270002006	54
WA		530270003001	406

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WA		530270003003	478
WA		530270006003	66
WA		530270007001	203
WA		530279400001	445
WA		530319502022	30
WA		530319507021	321
WA		530330093002	36
WA		530330292061	232
WA		530330327021	23
WA		530330327022	16
WA		530350903004	10
WA		530419715001	300
WA		530419715002	275
WA		530419717002	76
WA		530419718001	401
WA		530419718002	160
WA		530479401002	284
WA		530499504001	566
WA		530530701002	36

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WA		530530732004	713
WA		530559601001	1,384
WA		530559601002	1,120
WA		530559603003	544
WA		530559604002	97
WA		530559605002	1,722
WA		530670127205	196
WA		530670127301	181
WA		530779400033	317
WI		550371901002	176
WI		550371902002	656
WY		560350001022	1,468