

Crown Castle Fiber LLC

Competitive Access Provider

Tariff Format

A. Page

Issuance Date: December 15, 2016

Effective Date: January 15, 2017

Issued By: David Mayer, EVP, General Counsel
cc. Fernanda Biehl
196 Van Buren Street, Suite 250
Herndon, VA 20170
Tel.: (703) 434-8533 Email: fbiehl@lighttower.com

Check Sheet

Pages 1 t hr o u gh 38 in clu s iv eo f t his
t he bo t t o mo ft her es p ect iv ep age

<u>Page</u>	<u>Rev</u>	<u>Page</u>	<u>Rev</u>
Tit le	1 ^s Rév i s ed *	28	Or i gi n al
1	Or i gi n al	29	Or i
2	1 ^s Rév i s ed *	30	Or i gi n al
3	1 ^s Rév i s ed *	31	Or i gi n al
4	Or i gi n al	32	Or i gi n al
5	1 ^s Rév i s ed *	33	Or i gi n al
6	1 ^s Rév i s ed *	34	Or i gi n al
7	Or i gi n al	35	Or i gi n al
8	Or i gi n al	36	Or i gi n al
9	Or i gi n al	37	Or i gi n al
10	Or i gi n al	38	Or i gi n al
11	Or i gi n al		
12	Or i gi n al		
13	Or i gi n al		
14	Or i gi n al		
15	Or i gi n al		
16	Or i gi n al		
17	Or i gi n al		
18	Or i gi n al		
19	Or i gi n al		
20	Or i gi n al		
21	1 ^s Rév i s ed *		
22	Or i gi n al		
23	Or i gi n al		
24	Or i gi n al		
25	Or i gi n al		
26	Or i gi n al		
27	Or i gi n al		

Issuance Date: July 10, 2018 Effective Date: July

Issued by: Andrea Behl, Manager, Regulatory Affairs
 cc. Michelle Salisbury
 2000 Corporation Drive
 Conshohocken, PA 15317
 Tel.: (703) 434-8533
 Email: fernanda.behl@crowncastle.com

1 General

1.1 Explanation of Symbols

- (C) – To signify “Change”
- (D) – To signify “Decrease”
- (I) – To signify “Increase”

1.2 Application of the Tariff

- 1.2.1 This tariff governs the Company’s intrastate telecommunications services that originate and terminate in the Commonwealth of Pennsylvania. Specific services and rates are described elsewhere in this tariff.
- 1.2.2 The Company’s services are available to business customers.
- 1.2.3 The Company’s service territory is the Commonwealth of Pennsylvania.
- 1.2.4 The rates and regulations contained in this tariff apply only to the intrastate competitive access services furnished by the Company and

Issued Date: July 10, 2018

Effective Date: July 11, 2018

Issued By: Fernanda Biehl, Manager, Regulatory Affairs – Fiber
cc. Michelle Salisbury
2000 Corporate Drive
Canonsburg, PA 15317
Tel.: (703) 434-8533
Email: fernanda.biehl@crowncastle.com

(C)
|
|
|
|
(C)

Issued Date: July 10, 2018

Effective Date: July 11, 2018

Issued By: Fernanda Biehl, Manager, Regulatory Affairs – Fiber (C)
cc. Michelle Salisbury |
2000 Corporate Drive |
Canonsburg, PA 15317 |
Tel.: (703) 434-8533 |
Email: fernanda.biehl@crowncastle.com (C)

Lighttower Fiber Networks II, LLC Competitive Access Provider

Issued Date: December 15, 2016

Effective Date: January 15, 2017

Issued By: David Mayer, EVP, General Counsel

2.2 Obligations of the Customer

2.2.1 The Customer shall be responsible for:

- 2.2.1.1 The payment of all applicable charges specified in Service Orders executed by the Customer and for charges due pursuant to this tariff.
- 2.2.1.2 Reimbursing the Company for damage to, or loss of, the Company's facilities or equipment caused by the act

Issued Date: December 15, 2016

Effective Date: January 15, 2017

Issued By: David Mayer, EVP, General Counsel
w/c Fernanda Biehl
196 Van Buren Street, Suite 250
Herndon, VA 20170
Tel.: (703) 434-8533 Email: fbiehl@lighttower.com

2.2.3 The Customer is responsible for ensuring that Customer-provided equipment connected to Company equipment and facilities is compatible with such equipment and facilities. The connection, operation, testing, or maintenance of such equipment shall b

Issued Date: December 15, 2016

Effective Date: January 15, 2017

Issued By: David Mayer, EVP, General Counsel
w/c Fernanda Biehl
196 Van Buren Street, Suite 250
Herndon, VA 20170
Tel.: (703) 434-8533 Email: fbiehl@lighttower.com

Issued Date: December 15, 2016

Effective Date: January 15, 2017

Issued By: David Mayer, EVP, General Counsel
w/c Fernanda Biehl
196 Van Buren Street, Suite 250
Herndon, VA 20170
Tel.: (703) 434-

Issued Date: December 15, 2016

Effective Date: January 15, 2017

Issued By: David Mayer, EVP, General Counsel
w/c Fernanda Biehl
196 Van Buren Street, Suite 250
Herndon, VA 20170
Tel.: (703) 434-

2.5 Application for Service

2.5.1 Minimum Contract Period

2.5.1.1 Except as otherwise provided, the minimum contract period is one year for all services furnished.

2.5.1.2 The Company may require a minimum contract period longer than one year in connection with special arrangements or construc.98 3[t]TJETBT1 0 0 1 342.07 583.66c3.66 TmtETBT1m[.06 1 Tf9s44.8

Issued Date: December 15, 2016

Effective Date: January 15, 2017

Issued By: David Mayer, EVP, General Counsel
w/c Fernanda Biehl
196 Van Buren Street, Suite 250
Herndon, VA 20170
Tel.: (703) 434-8533 Email: fbiehl@lighttower.com

Issued Date: December 15, 2016

Effective Date: January 15, 2017

Issued By: David Mayer, EVP, General Counsel
w/c Fernanda Biehl
196 Van Buren Street, Suite 250
Herndon, VA 20170
Tel.: (703) 434-

2.10 Overcharge/Undercharge

2.10.1 When a Customer has been overcharged, the amount shall be refunded or credited to the Customer.

2.10.2 When a Customer has been undercharged, the amount shall be billed to the Customer.

2.11 Customer Complaints and Billing Disputes

2.11.1 Customers must notify the Company of billing or other disputes in writing within sixty (60) days of the receipt of the invoice and shall provide detailed information regarding any such disputed amounts. Any amounts disputed in good faith shall not be due and payable until such dispute is resolved as provided herein. All billed amounts not disputed in good faith and in writing by Customer within such sixty (60) days may not be disputed by Customer. All undisputed amounts are due and payable by the due date. The Company's Customer Service representatives may be contacted at:

2000 Corporate Drive (C)
Canonsburg, PA 15317 (C)
Toll-free Telephone: (888) 583-4237 Attn: Accounts Receivable
Department

2.11.2 The Company shall respond to billing disputes submitted to it pursuant to paragraph 2.11.1 within sixty (60) days after the Company's receipt of the same. If the Company denies the dispute then the Customer shall pay the disputed amount but may appeal the decision to the Commission.

Issuance Date: July 10, 2018

Effective Date: July 11, 2018

Issued By: Fernanda Biehl, Manager, Regulatory Affairs – Fiber (C)
cc. Michelle Salisbury |
2000 Corporate Drive |
Canonsburg, PA 15317 |
Tel.: (703) 434-8533 |
Email: fernanda.biehl@crowncastle.com (C)

Issued Date: December 15, 2016

Effective Date: January 15, 2017

Issued By: David Mayer, EVP, General Counsel
w/c Fernanda Biehl
196 Van Buren Street, Suite 250
Herndon, VA 20170
Tel.: (703) 434-

2.13 Dishonored Check Charge

A Dishonored Check Charge applies when any negotiable instrument presented for payment for service or deposit becomes dishonored, and is returned to the Company from the bank.

The Dishonored Check Charge is \$50 per instrument, per return.
This charge is in addition to late payment charges.

2.14 Special Customer Arrangements

In cases where a Customer requests special or unique arrangements which may include but are not limited to engineering, conditioning, installation, construction, facilities, assembly, purchase or lease of facilities and/or other special services not offered under this tariff, the Company, may provide the requested services.

Issued Date: December 15, 2016

Effective Date: January 15, 2017

Issued By: David Mayer, EVP, General Counsel
w/c Fernanda Biehl
196 Van Buren Street, Suite 250
Herndon, VA 20170
Tel.: (703) 434-8533 Email: fbiehl@lighttower.com

an m f rr ci

3.3 Trial Services

The Company may offer new services, not otherwise tarified, from time to time on a trial basis subject to Commission approval where required. Such trials are limited to a predetermined period of time specified by the Company. At the Company's option, and if permitted by Commission rules, a letter outlining the trial service may be filed with the Commission in lieu of tariff language.

4 Description of Services

4.1 SONET Service

4.1.1 Service Description

4.1.1.1 General

SONET Service provides high speed, synchronous optical fiber-based, full duplex data transmission capabilities. The Service is provisioned over the Company's shared SONET network and provides customers with SONET-based broadband access transport with the following capabilities.

DS3	Transmission services operating at the terminating bit rate of 45 Mbps
OC3, OC3c or STM-1	Transmission services operating at the terminating bit rate of 155.52 Mbps
OC12, OC12c	Transmission services operating at the terminating bit rate of 622.08 Mbps
OC48, OC48c	Transmission services operating at the terminating bit rate of 2,488 Mbps.
OC192, OC192c	Transmission services operating at the terminating bit rate of up to 9,953 Mbps

Issued Date: December 15, 2016

Effective Date: January 15, 2017

Issued By: David Mayer, EVP, General Counsel
w/c Fernanda Biehl
196 Van Buren Street, Suite 250
Herndon, VA 20170
Tel.: (703) 434-8533 Email: fbiehl@lighttower.com

Protected Digital DS1 \$200

Issued Date: December 15, 2016 Effective Date: January 15, 2017

Issued By: David Mayer, EVP, General Counsel
w/c Fernanda Biehl
196 Van Buren Street, Suite 250
Herndon, VA 20170
Tel.: (703) 434-8533 Email: fbiehl@lighttower.com

Ethernet LAN (E-LAN):

A VLAN based meshed service providing many-to-many services with dedicated or service-multiplexed UNIs. E-LAN supports transparent LAN service and multipoint Layer 2 VPNs. Bandwidth ranges from 3Mbps to 5Gbps.

Metro-E Advanced Private Line (MAPL):

A dedicated point-to-point switched Ethernet service provided within a metro area over dedicated fiber transport. Bandwidth ranges from 1Gbps to 10Gbps.

External Network to Network Interface (E-NNI)

An interconnection point between the Provider and Customer Ethernet networks as defined in MEF Specification 26. E-NNI is typically delivered as a 1Gbps or 10Gbps port.

4.2.1.2 Terms and Conditions

4.2.1.2.A Ethernet 5436c(t)21 271.61 398.47 Tm[5436c(t)21 2.243i85)21 54 TJETB

Issued Date: December 15, 2016

Effective Date: January 15, 2017

Issued By: David Mayer, EVP, General Counsel
w/c Fernanda Biehl
196 Van Buren Street, Suite 250
Herndon, VA 20170
Tel.: (703) 434-8533 Email: fbiehl@lighttower.com

4.2.1.3 Rates and Charges

4.2.1.3.1 Non-Re

Issued Date: December 15, 2016 Effective Date: January 15, 2017

Issued By: David Mayer, EVP, General Counsel
w/c Fernanda Biehl
196 Van Buren Street, Suite 250
Herndon, VA 20170
Tel.: (703) 434-8533 Email: fbiehl@lightower.com

Lighttower Fiber Networks II, LLC Competitive Access Provider



ge V 3 1 5 & '

1YrTerm	3YrTerm	5YrTerm
\$500	\$0	\$0

Effective Date: January 15, 2017

unsel

0

iehl@lighttower.com