

**ACCESS SERVICE**

20. Rates and Charges (Cont'd)

20.1 Rate Group #1 (Cont'd)

20.1.3 Access Ordering

Regulations concerning Access Ordering are set forth in Section 5 preceding.

| <u>Service Date Change Charge</u>                                                                                             |                              | <u>Nonrecurring Charge</u> |     |
|-------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------|-----|
| -                                                                                                                             | Per Order                    | \$50.00                    |     |
| <u>Design Change Charge – Per Order per Occurrence</u>                                                                        |                              |                            |     |
| Citizens Utilities Rural Company, Inc.                                                                                        | AZ                           | \$12,170.29                | (C) |
| Citizens Telecommunications Company of California, Inc.<br>(Elk Grove study area) (OCN 2308)                                  | CA                           | \$12,170.29                |     |
| Citizens Telecommunications Company of Tennessee LLC<br>(Citizens Telecommunications Company Tennessee Study Area) (OCN 4336) | TN                           | \$12,170.29                |     |
| Citizens Telecommunications Company of West Virginia<br>(Bluefield and St Mary's study areas)                                 | WV                           | \$12,170.29                |     |
| Citizens Telecommunications Company of Utah                                                                                   | UT                           | \$12,170.29                |     |
| Citizens Telecommunications Company of New York, Inc.                                                                         | NY, PA                       | \$12,170.29                |     |
| Citizens Telecommunications Company of the White Mountains, Inc.                                                              | AZ                           | \$12,170.29                |     |
| Frontier Communications of Wisconsin, LLC<br>(Rhinelander Telephone Study Area) (OCN 0870, 0891, 0940, 0941)                  | WI                           | \$12,170.29                |     |
| <u>Cancellation Charge – Per Order</u>                                                                                        |                              |                            |     |
| Citizens Utilities Rural Company, Inc.                                                                                        | AZ                           | \$134,202.02               | (C) |
| Citizens Telecommunications Company of California, Inc.<br>(Elk Grove study area) (OCN 2308)                                  | CA                           | \$134,202.02               |     |
| Citizens Telecommunications Company of Tennessee LLC<br>(Citizens Telecommunications Company Tennessee Study Area) (OCN 4336) | TN                           | \$134,202.02               |     |
| Citizens Telecommunications Company of West Virginia<br>(Bluefield and St Mary's study areas)                                 | WV                           | \$134,202.02               |     |
| Citizens Telecommunications Company of Utah                                                                                   | UT                           | \$134,202.02               |     |
| Citizens Telecommunications Company of New York, Inc.                                                                         | NY, PA                       | \$134,202.02               |     |
| Citizens Telecommunications Company of the White Mountains, Inc.                                                              | AZ                           | \$134,202.02               |     |
| Frontier Communications of Wisconsin, LLC<br>(Rhinelander Telephone Study Area) (OCN 0870, 0891, 0940, 0941)                  | WI                           | \$134,202.02               |     |
| <u>Expedited Order Charge</u>                                                                                                 |                              |                            |     |
| -                                                                                                                             | Per Order, per day expedited | \$300.00                   |     |

**ACCESS SERVICE**

20. Rates and Charges (Cont'd)

20.1 Rate Group #1 (Cont'd)

20.1.5 Special Access Service (Cont'd)

High Capacity Service

Citizens Utilities Rural Company, Inc. AZ

Service Order Charge – per Order

|   |                      |              |     |
|---|----------------------|--------------|-----|
| - | per Order            |              |     |
|   | DS-1 - 1.544 Mbps    | \$49,903.70  | (C) |
|   | DS-3 - 44.736 Mbps   | \$159,026.40 | (C) |
|   | OC-3 - 155.520 Mbps  | \$56,821.47  |     |
|   | OC-3c - 155.520 Mbps | \$56,821.47  |     |

Channel Termination

- per Termination, monthly rate

Competitive End User & IC CDL

|                     |              |     |
|---------------------|--------------|-----|
| DS1 – 1.544 Mbps    | \$83,459.66  | (C) |
| DS-3 - 44.736 Mbps  | \$483,478.16 | (C) |
| OC3 – 155.520 Mbps  | \$438,141.18 |     |
| OC-3c- 155.520 Mbps | \$410,757.29 |     |

- per Termination, Nonrecurring Charge

|                      |                |     |
|----------------------|----------------|-----|
| DS-1 - 1.544 Mbps    | \$268,236.83   | (C) |
| DS-3 - 44.736 Mbps   | \$1,306,697.35 | (C) |
| OC-3 - 155.520 Mbps  | \$492,908.76   |     |
| OC-3c - 155.520 Mbps | \$492,908.76   |     |

Channel Mileage

- Channel Mileage Facility,  
Per mile, per month

|                      |             |     |
|----------------------|-------------|-----|
| DS-1 - 1.544 Mbps    | \$4,215.04  | (C) |
| DS-3 - 44.736 Mbps   | \$50,581.81 | (C) |
| OC-3 - 155.520 Mbps  | \$38,337.57 |     |
| OC-3c - 155.520 Mbps | \$38,337.57 |     |

- Channel Mileage Termination,  
Per termination, per month

|                      |              |     |
|----------------------|--------------|-----|
| DS-1 - 1.544 Mbps    | \$81,394.63  | (C) |
| DS-3 - 44.736 Mbps   | \$379,363.84 | (C) |
| OC-3 - 155.520 Mbps  | \$273,838.06 |     |
| OC-3c - 155.520 Mbps | \$273,838.06 |     |

**ACCESS SERVICE**

Citizens Telecommunications Company of California, Inc. CA  
(Elk Grove study area) (OCN 2308)

Service Order Charge – per Order

|   |                      |              |     |
|---|----------------------|--------------|-----|
| - | per Order            |              |     |
|   | DS-1 - 1.544 Mbps    | \$49,903.70  | (C) |
|   | DS-3 - 44.736 Mbps   | \$159,026.40 | (C) |
|   | OC-3 - 155.520 Mbps  | \$56,821.47  |     |
|   | OC-3c - 155.520 Mbps | \$56,821.47  |     |

Channel Termination

- per Termination, monthly rate

Competitive End User & IC CDL

|                     |              |     |
|---------------------|--------------|-----|
| DS1 – 1.544 Mbps    | \$83,459.66  | (C) |
| DS-3 - 44.736 Mbps  | \$483,478.16 | (C) |
| OC3 – 155.520 Mbps  | \$438,141.18 |     |
| OC-3c- 155.520 Mbps | \$410,757.29 |     |

- per Termination, Nonrecurring Charge

|                      |                |     |
|----------------------|----------------|-----|
| DS-1 - 1.544 Mbps    | \$268,236.83   | (C) |
| DS-3 - 44.736 Mbps   | \$1,306,697.35 | (C) |
| OC-3 - 155.520 Mbps  | \$492,908.76   |     |
| OC-3c - 155.520 Mbps | \$492,908.76   |     |

Channel Mileage

- Channel Mileage Facility,  
Per mile, per month

|                      |             |     |
|----------------------|-------------|-----|
| DS-1 - 1.544 Mbps    | \$4,215.04  | (C) |
| DS-3 - 44.736 Mbps   | \$50,581.81 | (C) |
| OC-3 - 155.520 Mbps  | \$38,337.57 |     |
| OC-3c - 155.520 Mbps | \$38,337.57 |     |

- Channel Mileage Termination,  
Per termination, per month

|                      |              |     |
|----------------------|--------------|-----|
| DS-1 - 1.544 Mbps    | \$81,394.63  | (C) |
| DS-3 - 44.736 Mbps   | \$379,363.84 | (C) |
| OC-3 - 155.520 Mbps  | \$273,838.06 |     |
| OC-3c - 155.520 Mbps | \$273,838.06 |     |

Citizens Telecommunications Company of Tennessee LLC TN  
(Citizens Telecommunications Company Tennessee Study Area) (OCN 4336)

Service Order Charge – per Order

|   |                      |              |     |
|---|----------------------|--------------|-----|
| - | per Order            |              |     |
|   | DS-1 - 1.544 Mbps    | \$49,903.70  | (C) |
|   | DS-3 - 44.736 Mbps   | \$159,026.40 | (C) |
|   | OC-3 - 155.520 Mbps  | \$56,821.47  |     |
|   | OC-3c - 155.520 Mbps | \$56,821.47  |     |

**ACCESS SERVICE**

Channel Termination

- per Termination, monthly rate

Competitive End User & IC CDL

|                     |                  |
|---------------------|------------------|
| DS1 – 1.544 Mbps    | \$83,459.66 (C)  |
| DS-3 - 44.736 Mbps  | \$483,478.16 (C) |
| OC3 – 155.520 Mbps  | \$438,141.18     |
| OC-3c- 155.520 Mbps | \$410,757.29     |

- per Termination, Nonrecurring Charge

|                      |                    |
|----------------------|--------------------|
| DS-1 - 1.544 Mbps    | \$268,236.83 (C)   |
| DS-3 - 44.736 Mbps   | \$1,306,697.35 (C) |
| OC-3 - 155.520 Mbps  | \$492,908.76       |
| OC-3c - 155.520 Mbps | \$492,908.76       |

Channel Mileage

- Channel Mileage Facility,  
Per mile, per month

|                      |                 |
|----------------------|-----------------|
| DS-1 - 1.544 Mbps    | \$4,215.04 (C)  |
| DS-3 - 44.736 Mbps   | \$50,581.81 (C) |
| OC-3 - 155.520 Mbps  | \$38,337.57     |
| OC-3c - 155.520 Mbps | \$38,337.57     |

- Channel Mileage Termination,  
Per termination, per month

|                      |                  |
|----------------------|------------------|
| DS-1 - 1.544 Mbps    | \$81,394.63 (C)  |
| DS-3 - 44.736 Mbps   | \$379,363.84 (C) |
| OC-3 - 155.520 Mbps  | \$273,838.06     |
| OC-3c - 155.520 Mbps | \$273,838.06     |

Citizens Telecommunications Company of West Virginia WV  
(Bluefield and St Mary's study areas)

Service Order Charge – per Order

- per Order

|                      |                  |
|----------------------|------------------|
| DS-1 - 1.544 Mbps    | \$49,903.70 (C)  |
| DS-3 - 44.736 Mbps   | \$159,026.40 (C) |
| OC-3 - 155.520 Mbps  | \$56,821.47      |
| OC-3c - 155.520 Mbps | \$56,821.47      |

Channel Termination

- per Termination, monthly rate

Competitive End User & IC CDL

|                     |                  |
|---------------------|------------------|
| DS1 – 1.544 Mbps    | \$83,459.66 (C)  |
| DS-3 - 44.736 Mbps  | \$483,478.16 (C) |
| OC3 – 155.520 Mbps  | \$438,141.18     |
| OC-3c- 155.520 Mbps | \$410,757.29     |

- per Termination, Nonrecurring Charge

|                      |                     |
|----------------------|---------------------|
| DS-1 - 1.544 Mbps    | \$268,236.83 (C)    |
| DS-3 - 44.736 Mbps   | \$ 1,306,697.35 (C) |
| OC-3 - 155.520 Mbps  | \$492,908.76        |
| OC-3c - 155.520 Mbps | \$492,908.76        |

**ACCESS SERVICE**

Channel Mileage

|   |                                                            |                  |
|---|------------------------------------------------------------|------------------|
| - | Channel Mileage Facility,<br>Per mile, per month           |                  |
|   | DS-1 - 1.544 Mbps                                          | \$4,215.04 (C)   |
|   | DS-3 - 44.736 Mbps                                         | \$50,581.81 (C)  |
|   | OC-3 - 155.520 Mbps                                        | \$38,337.57      |
|   | OC-3c - 155.520 Mbps                                       | \$38,337.57      |
| - | Channel Mileage Termination,<br>Per termination, per month |                  |
|   | DS-1 - 1.544 Mbps                                          | \$81,394.63 (C)  |
|   | DS-3 - 44.736 Mbps                                         | \$379,363.84 (C) |
|   | OC-3 - 155.520 Mbps                                        | \$273,838.06     |
|   | OC-3c - 155.520 Mbps                                       | \$273,838.06     |

Citizens Telecommunications Company of Utah

Service Order Charge – per Order

|   |                      |                  |
|---|----------------------|------------------|
| - | per Order            |                  |
|   | DS-1 - 1.544 Mbps    | \$49,903.70 (C)  |
|   | DS-3 - 44.736 Mbps   | \$159,026.40 (C) |
|   | OC-3 - 155.520 Mbps  | \$56,821.47      |
|   | OC-3c - 155.520 Mbps | \$56,821.47      |

Channel Termination

|   |                               |  |
|---|-------------------------------|--|
| - | per Termination, monthly rate |  |
|---|-------------------------------|--|

Competitive End User & IC CDL

|   |                                      |                    |
|---|--------------------------------------|--------------------|
|   | DS1 – 1.544 Mbps                     | \$83,459.66 (C)    |
|   | DS-3 - 44.736 Mbps                   | \$483,478.16 (C)   |
|   | OC3 – 155.520 Mbps                   | \$438,141.18       |
|   | OC-3c- 155.520 Mbps                  | \$410,757.29       |
| - | per Termination, Nonrecurring Charge |                    |
|   | DS-1 - 1.544 Mbps                    | \$ 268,236.83 (C)  |
|   | DS-3 - 44.736 Mbps                   | \$1,306,697.35 (C) |
|   | OC-3 - 155.520 Mbps                  | \$492,908.76       |
|   | OC-3c - 155.520 Mbps                 | \$492,908.76       |

Channel Mileage

|   |                                                            |                  |
|---|------------------------------------------------------------|------------------|
| - | Channel Mileage Facility,<br>Per mile, per month           |                  |
|   | DS-1 - 1.544 Mbps                                          | \$4,215.04 (C)   |
|   | DS-3 - 44.736 Mbps                                         | \$50,581.81 (C)  |
|   | OC-3 - 155.520 Mbps                                        | \$38,337.57      |
|   | OC-3c - 155.520 Mbps                                       | \$38,337.57      |
| - | Channel Mileage Termination,<br>Per termination, per month |                  |
|   | DS-1 - 1.544 Mbps                                          | \$81,394.63 (C)  |
|   | DS-3 - 44.736 Mbps                                         | \$379,363.84 (C) |
|   | OC-3 - 155.520 Mbps                                        | \$273,838.06     |
|   | OC-3c - 155.520 Mbps                                       | \$273,838.06     |

**ACCESS SERVICE**

Citizens Telecommunications Company of New York, Inc. NY, PA

Service Order Charge – per Order

|                      |                  |
|----------------------|------------------|
| - per Order          |                  |
| DS-1 - 1.544 Mbps    | \$49,903.70 (C)  |
| DS-3 - 44.736 Mbps   | \$159,026.40 (C) |
| OC-3 - 155.520 Mbps  | \$56,821.47      |
| OC-3c - 155.520 Mbps | \$56,821.47      |

Channel Termination

- per Termination, monthly rate

Competitive End User & IC CDL

|                     |                  |
|---------------------|------------------|
| DS1 – 1.544 Mbps    | \$83,459.66 (C)  |
| DS-3 - 44.736 Mbps  | \$483,478.16 (C) |
| OC3 – 155.520 Mbps  | \$438,141.18     |
| OC-3c- 155.520 Mbps | \$410,757.29     |

- per Termination, Nonrecurring Charge

|                      |                    |
|----------------------|--------------------|
| DS-1 - 1.544 Mbps    | \$268,236.83 (C)   |
| DS-3 - 44.736 Mbps   | \$1,306,697.35 (C) |
| OC-3 - 155.520 Mbps  | \$492,908.76       |
| OC-3c - 155.520 Mbps | \$492,908.76       |

Channel Mileage

- Channel Mileage Facility,  
Per mile, per month

|                      |                 |
|----------------------|-----------------|
| DS-1 - 1.544 Mbps    | \$4,215.04 (C)  |
| DS-3 - 44.736 Mbps   | \$50,581.81 (C) |
| OC-3 - 155.520 Mbps  | \$38,337.57     |
| OC-3c - 155.520 Mbps | \$38,337.57     |

- Channel Mileage Termination,  
Per termination, per month

|                      |                  |
|----------------------|------------------|
| DS-1 - 1.544 Mbps    | \$81,394.63 (C)  |
| DS-3 - 44.736 Mbps   | \$379,363.84 (C) |
| OC-3 - 155.520 Mbps  | \$273,838.06     |
| OC-3c - 155.520 Mbps | \$273,838.06     |

Citizens Telecommunications Company of the White Mountains, Inc. AZ

Service Order Charge – per Order

|                      |                  |
|----------------------|------------------|
| - per Order          |                  |
| DS-1 - 1.544 Mbps    | \$49,903.70 (C)  |
| DS-3 - 44.736 Mbps   | \$159,026.40 (C) |
| OC-3 - 155.520 Mbps  | \$56,821.47      |
| OC-3c - 155.520 Mbps | \$56,821.47      |

Channel Termination

- per Termination, monthly rate

Competitive End User & IC CDL

|                     |                  |
|---------------------|------------------|
| DS1 – 1.544 Mbps    | \$83,459.66 (C)  |
| DS-3 - 44.736 Mbps  | \$483,478.16 (C) |
| OC3 – 155.520 Mbps  | \$438,141.18     |
| OC-3c- 155.520 Mbps | \$410,757.29     |

**ACCESS SERVICE**

|   |                                      |                    |
|---|--------------------------------------|--------------------|
| - | per Termination, Nonrecurring Charge |                    |
|   | DS-1 - 1.544 Mbps                    | \$268,236.83 (C)   |
|   | DS-3 - 44.736 Mbps                   | \$1,306,697.35 (C) |
|   | OC-3 - 155.520 Mbps                  | \$492,908.76       |
|   | OC-3c - 155.520 Mbps                 | \$492,908.76       |

Channel Mileage

|   |                                                            |                  |
|---|------------------------------------------------------------|------------------|
| - | Channel Mileage Facility,<br>Per mile, per month           |                  |
|   | DS-1 - 1.544 Mbps                                          | \$4,215.04 (C)   |
|   | DS-3 - 44.736 Mbps                                         | \$50,581.81 (C)  |
|   | OC-3 - 155.520 Mbps                                        | \$38,337.57      |
|   | OC-3c - 155.520 Mbps                                       | \$38,337.57      |
| - | Channel Mileage Termination,<br>Per termination, per month |                  |
|   | DS-1 - 1.544 Mbps                                          | \$81,394.63 (C)  |
|   | DS-3 - 44.736 Mbps                                         | \$379,363.84 (C) |
|   | OC-3 - 155.520 Mbps                                        | \$273,838.06     |
|   | OC-3c - 155.520 Mbps                                       | \$273,838.06     |

Frontier Communications of Wisconsin, LLC WI  
(Rhinelander Telephone Study Area) (OCN 0870, 0891, 0940, 0941)

Service Order Charge – per Order

|   |                      |                  |
|---|----------------------|------------------|
| - | per Order            |                  |
|   | DS-1 - 1.544 Mbps    | \$49,903.70 (C)  |
|   | DS-3 - 44.736 Mbps   | \$159,026.40 (C) |
|   | OC-3 - 155.520 Mbps  | \$56,821.47      |
|   | OC-3c - 155.520 Mbps | \$56,821.47      |

Channel Termination

|   |                               |  |
|---|-------------------------------|--|
| - | per Termination, monthly rate |  |
|---|-------------------------------|--|

Competitive End User & IC CDL

|   |                                      |                    |
|---|--------------------------------------|--------------------|
|   | DS1 – 1.544 Mbps                     | \$83,459.66 (C)    |
|   | DS-3 - 44.736 Mbps                   | \$483,478.16 (C)   |
|   | OC3 – 155.520 Mbps                   | \$438,141.18       |
|   | OC-3c- 155.520 Mbps                  | \$410,757.29       |
| - | per Termination, Nonrecurring Charge |                    |
|   | DS-1 - 1.544 Mbps                    | \$268,236.83 (C)   |
|   | DS-3 - 44.736 Mbps                   | \$1,306,697.35 (C) |
|   | OC-3 - 155.520 Mbps                  | \$492,908.76       |
|   | OC-3c - 155.520 Mbps                 | \$492,908.76       |

Channel Mileage

|   |                                                  |                 |
|---|--------------------------------------------------|-----------------|
| - | Channel Mileage Facility,<br>Per mile, per month |                 |
|   | DS-1 - 1.544 Mbps                                | \$4,215.04 (C)  |
|   | DS-3 - 44.736 Mbps                               | \$50,581.81 (C) |
|   | OC-3 - 155.520 Mbps                              | \$38,337.57     |
|   | OC-3c - 155.520 Mbps                             | \$38,337.57     |

**ACCESS SERVICE**

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Channel Mileage Termination,  
Per termination, per month

|                      |              |     |
|----------------------|--------------|-----|
| DS-1 - 1.544 Mbps    | \$81,394.63  | (C) |
| DS-3 - 44.736 Mbps   | \$379,363.84 | (C) |
| OC-3 - 155.520 Mbps  | \$273,838.06 |     |
| OC-3c - 155.520 Mbps | \$273,838.06 |     |

Discontinuance Non-Recurring Charge – per Circuit all states

|                      |          |
|----------------------|----------|
| DS-1 - 1.544 Mbps    | \$975.00 |
| DS-3 - 44.736 Mbps   | \$975.00 |
| OC-3 - 155.520 Mbps  | \$975.00 |
| OC-3c - 155.520 Mbps | \$975.00 |

\* Material filed with Transmittal 88 with effective date of 8/1/2018



**ACCESS SERVICE**

20. Rates and Charges (Cont'd)

20.1 Rate Group #1 (Cont'd)

20.1.5 Special Access Service (Cont'd)

High Capacity Service (Cont'd)

Optional Features and Functions

Citizens Utilities Rural Company, Inc. AZ

Multiplexing

|   |                     |                  |
|---|---------------------|------------------|
| - | OC-3 to DS-3        |                  |
|   | per month           | \$170,170.84     |
|   | Nonrecurring Charge | \$147,141.07     |
| - | OC-3 to DS-1        |                  |
|   | per month           | \$204,205.14     |
|   | Nonrecurring Charge | \$147,141.07     |
| - | DS-3 to DS-1        |                  |
|   | per month           | \$536,474.64 (C) |
|   | Nonrecurring Charge | \$497,004.77 (C) |
| - | DS-1 to Voice       |                  |
|   | per month           | \$100,014.68 (C) |
|   | Nonrecurring Charge | \$159,792.99 (C) |
| - | DS-1 to DS0         |                  |
|   | per month           | \$100,014.68 (C) |
|   | Nonrecurring Charge | \$159,792.99 (C) |

Citizens Telecommunications Company of California, Inc. CA  
(Elk Grove study area) (OCN 2308)

Multiplexing

|   |                     |                  |
|---|---------------------|------------------|
| - | OC-3 to DS-3        |                  |
|   | per month           | \$170,170.84     |
|   | Nonrecurring Charge | \$147,141.07     |
| - | OC-3 to DS-1        |                  |
|   | per month           | \$204,205.14     |
|   | Nonrecurring Charge | \$147,141.07     |
| - | DS-3 to DS-1        |                  |
|   | per month           | \$536,474.64 (C) |
|   | Nonrecurring Charge | \$497,004.77 (C) |
| - | DS-1 to Voice       |                  |
|   | per month           | \$100,014.68 (C) |
|   | Nonrecurring Charge | \$159,792.99 (C) |
| - | DS-1 to DS0         |                  |
|   | per month           | \$100,014.68 (C) |
|   | Nonrecurring Charge | \$159,792.99 (C) |

**ACCESS SERVICE**

Citizens Telecommunications Company of Tennessee LLC TN  
(Citizens Telecommunications Company Tennessee Study Area) (OCN 4336)

Multiplexing

|   |                     |                  |
|---|---------------------|------------------|
| - | OC-3 to DS-3        |                  |
|   | per month           | \$170,170.84     |
|   | Nonrecurring Charge | \$147,141.07     |
| - | OC-3 to DS-1        |                  |
|   | per month           | \$204,205.14     |
|   | Nonrecurring Charge | \$147,141.07     |
| - | DS-3 to DS-1        |                  |
|   | per month           | \$536,474.64 (C) |
|   | Nonrecurring Charge | \$497,004.77 (C) |
| - | DS-1 to Voice       |                  |
|   | per month           | \$100,014.68 (C) |
|   | Nonrecurring Charge | \$159,792.99 (C) |
| - | DS-1 to DS0         |                  |
|   | per month           | \$100,014.68 (C) |
|   | Nonrecurring Charge | \$159,792.99 (C) |

Citizens Telecommunications Company of West Virginia WV  
(Bluefield and St Mary's study areas)

Multiplexing

|   |                     |                  |
|---|---------------------|------------------|
| - | OC-3 to DS-3        |                  |
|   | per month           | \$170,170.84     |
|   | Nonrecurring Charge | \$147,141.07     |
| - | OC-3 to DS-1        |                  |
|   | per month           | \$204,205.14     |
|   | Nonrecurring Charge | \$147,141.07     |
| - | DS-3 to DS-1        |                  |
|   | per month           | \$536,474.64 (C) |
|   | Nonrecurring Charge | \$497,004.77 (C) |
| - | DS-1 to Voice       |                  |
|   | per month           | \$100,014.68 (C) |
|   | Nonrecurring Charge | \$159,792.99 (C) |
| - | DS-1 to DS0         |                  |
|   | per month           | \$100,014.68 (C) |
|   | Nonrecurring Charge | \$159,792.99 (C) |

**ACCESS SERVICE**

Citizens Telecommunications Company of Utah UT

Multiplexing

|   |                     |                  |
|---|---------------------|------------------|
| - | OC-3 to DS-3        |                  |
|   | per month           | \$170,170.84     |
|   | Nonrecurring Charge | \$147,141.07     |
| - | OC-3 to DS-1        |                  |
|   | per month           | \$204,205.14     |
|   | Nonrecurring Charge | \$147,141.07     |
| - | DS-3 to DS-1        |                  |
|   | per month           | \$536,474.64 (C) |
|   | Nonrecurring Charge | \$497,004.77 (C) |
| - | DS-1 to Voice       |                  |
|   | per month           | \$100,014.68 (C) |
|   | Nonrecurring Charge | \$159,792.99 (C) |
| - | DS-1 to DS0         |                  |
|   | per month           | \$100,014.68 (C) |
|   | Nonrecurring Charge | \$159,792.99 (C) |

Citizens Telecommunications Company of New York, Inc. NY, PA

Multiplexing

|   |                     |                  |
|---|---------------------|------------------|
| - | OC-3 to DS-3        |                  |
|   | per month           | \$170,170.84     |
|   | Nonrecurring Charge | \$147,141.07     |
| - | OC-3 to DS-1        |                  |
|   | per month           | \$204,205.14     |
|   | Nonrecurring Charge | \$147,141.07     |
| - | DS-3 to DS-1        |                  |
|   | per month           | \$536,474.64 (C) |
|   | Nonrecurring Charge | \$497,004.77 (C) |
| - | DS-1 to Voice       |                  |
|   | per month           | \$100,014.68 (C) |
|   | Nonrecurring Charge | \$159,792.99 (C) |
| - | DS-1 to DS0         |                  |
|   | per month           | \$100,014.68 (C) |
|   | Nonrecurring Charge | \$159,792.99 (C) |

**ACCESS SERVICE**

Citizens Telecommunications Company of the White Mountains, Inc. AZ

Multiplexing

|   |                     |                  |
|---|---------------------|------------------|
| - | OC-3 to DS-3        |                  |
|   | per month           | \$170,170.84     |
|   | Nonrecurring Charge | \$147,141.07     |
| - | OC-3 to DS-1        |                  |
|   | per month           | \$204,205.14     |
|   | Nonrecurring Charge | \$147,141.07     |
| - | DS-3 to DS-1        |                  |
|   | per month           | \$536,474.64 (C) |
|   | Nonrecurring Charge | \$497,004.77 (C) |
| - | DS-1 to Voice       |                  |
|   | per month           | \$100,014.68 (C) |
|   | Nonrecurring Charge | \$159,792.99 (C) |
| - | DS-1 to DS0         |                  |
|   | per month           | \$100,014.68 (C) |
|   | Nonrecurring Charge | \$159,792.99 (C) |

Frontier Communications of Wisconsin, LLC WI

(Rhineland Telephone Study Area) (OCN 0870, 0891, 0940, 0941)

Multiplexing

|   |                     |                  |
|---|---------------------|------------------|
| - | OC-3 to DS-3        |                  |
|   | per month           | \$170,170.84     |
|   | Nonrecurring Charge | \$147,141.07     |
| - | OC-3 to DS-1        |                  |
|   | per month           | \$204,205.14     |
|   | Nonrecurring Charge | \$147,141.07     |
| - | DS-3 to DS-1        |                  |
|   | per month           | \$536,474.64 (C) |
|   | Nonrecurring Charge | \$497,004.77 (C) |
| - | DS-1 to Voice       |                  |
|   | per month           | \$100,014.68 (C) |
|   | Nonrecurring Charge | \$159,792.99 (C) |
| - | DS-1 to DS0         |                  |
|   | per month           | \$100,014.68 (C) |
|   | Nonrecurring Charge | \$159,792.99 (C) |

**ACCESS SERVICE**

|        |                                                                         |        |              |          |
|--------|-------------------------------------------------------------------------|--------|--------------|----------|
| 20.    | <u>Rates and Charges (Cont'd)</u>                                       |        |              |          |
| 20.1   | <u>Rate Group #1 (Cont'd)</u>                                           |        |              |          |
| 20.1.5 | <u>Special Access Service (Cont'd)</u>                                  |        |              |          |
|        | <u>High Capacity Service (Cont'd)</u>                                   |        |              |          |
|        | <u>Optional Features and Functions (Cont'd)</u>                         |        |              |          |
|        | <u>Multiplexing (Cont'd)</u>                                            |        |              |          |
| -      | Digital DS3 Cross Connect                                               |        |              |          |
|        | per month                                                               |        |              | *        |
|        | Nonrecurring Charge                                                     |        |              | *        |
| -      | Digital Data Substrate                                                  |        |              |          |
|        | One DSO to Twenty 2.4 Kbps                                              |        |              |          |
|        | monthly rate                                                            |        |              | ICB      |
|        | Nonrecurring Charge                                                     |        |              | ICB      |
|        | One DSO to Ten 4.8 Kbps                                                 |        |              |          |
|        | monthly rate                                                            |        |              | ICB      |
|        | Nonrecurring Charge                                                     |        |              | ICB      |
|        | One DSO to Five 9.6 Kbps                                                |        |              |          |
|        | monthly rate                                                            |        |              | ICB      |
|        | Nonrecurring Charge                                                     |        |              | ICB      |
|        | Automatic Loop transfer**                                               |        |              |          |
| -      | per Arrangement                                                         |        |              | ICB      |
| -      | per Termination                                                         |        |              | \$143.05 |
|        | Automatic Protection Switching per DS1                                  |        |              |          |
|        | monthly rate                                                            |        |              | *        |
|        | Nonrecurring Charge                                                     |        |              | *        |
|        | Clear Channel Capability, per DS1 circuit arranged monthly rate         |        |              | \$0.00   |
|        | Clear Channel Capability, per DS1 circuit arranged Nonrecurring Charge: |        |              |          |
|        | Citizens Utilities Rural Company, Inc.                                  | AZ     | \$206,232.37 | (C)      |
|        | Citizens Telecommunications Company of California, Inc.                 | CA     | \$206,232.37 |          |
|        | (Elk Grove study area) (OCN 2308)                                       |        |              |          |
|        | Citizens Telecommunications Company of Tennessee LLC                    | TN     | \$206,232.37 |          |
|        | (Citizens Telecommunications Company Tennessee Study Area) (OCN 4336)   |        |              |          |
|        | Citizens Telecommunications Company of West Virginia                    | WV     | \$206,232.37 |          |
|        | (Bluefield and St Mary's study areas)                                   |        |              |          |
|        | Citizens Telecommunications Company of Utah                             | UT     | \$206,232.37 |          |
|        | Citizens Telecommunications Company of New York, Inc.                   | NY, PA | \$206,232.37 |          |
|        | Citizens Telecommunications Company of the White Mountains, Inc.        | AZ     | \$206,232.37 |          |
|        | Frontier Communications of Wisconsin, LLC                               | WI     | \$206,232.37 | (C)      |
|        | (Rhineland Telephone Study Area) (OCN 0870, 0891, 0940, 0941)           |        |              |          |

\* No demand - rates available on request.

\*\* An additional Channel Termination charge will apply whenever the space channel is configured as a leg to the customer designated premises. Additional Channel Mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

**ACCESS SERVICE**

20. Rates and Charges (Cont'd)

20.2 Rate Group #2 (Cont'd)

20.2.3 Access Ordering

Regulations concerning Access Ordering are set forth in Section 5 preceding.

| <u>Service Date Change Charge</u> | <u>Nonrecurring Charge</u> |
|-----------------------------------|----------------------------|
| - Per Order                       | \$50.00                    |

Design Change Charge – Per order Per occurrence

|                                                                                                                                     |            |             |     |
|-------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|-----|
| Citizens Telecommunications Company of West Virginia<br>(Mountain State study area)                                                 | WV         | \$12,170.29 | (C) |
| Citizens Telecommunications Company of Tennessee LLC<br>(Citizens Telecommunications Company Volunteer State Study Area) (OCN 0577) | TN         | \$12,170.29 |     |
| Navajo Communications Company                                                                                                       | AZ, NM, UT | \$12,170.29 |     |
| Citizens Telecommunications Company of California<br>(Golden State and Tuolumne study areas) (OCNs 3402, 2342)                      | CA         | \$12,170.29 |     |
| Citizens Telecommunications Company of Nevada                                                                                       | NV         | \$12,170.29 |     |

Cancellation Charge – per order

|                                                                                                                                     |            |              |     |
|-------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|-----|
| Citizens Telecommunications Company of West Virginia<br>(Mountain State study area)                                                 | WV         | \$134,202.02 |     |
| Citizens Telecommunications Company of Tennessee LLC<br>(Citizens Telecommunications Company Volunteer State Study Area) (OCN 0577) | TN         | \$134,202.02 |     |
| Navajo Communications Company                                                                                                       | AZ, NM, UT | \$134,202.02 |     |
| Citizens Telecommunications Company of California<br>(Golden State and Tuolumne study areas) (OCNs 3402, 2342)                      | CA         | \$134,202.02 |     |
| Citizens Telecommunications Company of Nevada                                                                                       | NV         | \$134,202.02 | (C) |

Expedited Order Charge

|                                |          |
|--------------------------------|----------|
| - Per Order, per day expedited | \$300.00 |
|--------------------------------|----------|

**ACCESS SERVICE**

|                                                                                                                                        |                                                     |              |     |  |
|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------|-----|--|
| 20.                                                                                                                                    | Rates and Charges (Cont'd)                          |              |     |  |
| 20.2                                                                                                                                   | Rate Group #2 (Cont'd)                              |              |     |  |
| 20.2.5                                                                                                                                 | Special Access Service (Cont'd)                     |              |     |  |
|                                                                                                                                        | High Capacity Service                               |              |     |  |
|                                                                                                                                        | Service Order Charge - per Order                    |              |     |  |
| Citizens Telecommunications Company of West Virginia WV<br>(Mountain State Study Area)                                                 |                                                     |              |     |  |
|                                                                                                                                        | DS-1 - 1.544 Mbps                                   | \$50,041.67  | (C) |  |
|                                                                                                                                        | DS-3 - 44.736 Mbps                                  | \$159,026.40 | (C) |  |
|                                                                                                                                        | OC-3 - 155.520 Mbps                                 | \$56,821.47  |     |  |
|                                                                                                                                        | OC-3c - 155.520 Mbps                                | \$56,821.47  |     |  |
| Citizens Telecommunications Company of Tennessee LLC TN<br>(Citizens Telecommunications Company Volunteer State Study Area) (OCN 0577) |                                                     |              |     |  |
|                                                                                                                                        | DS-1 - 1.544 Mbps                                   | \$50,041.67  | (C) |  |
|                                                                                                                                        | DS-3 - 44.736 Mbps                                  | \$159,026.40 | (C) |  |
|                                                                                                                                        | OC-3 - 155.520 Mbps                                 | \$56,821.47  |     |  |
|                                                                                                                                        | OC-3c - 155.520 Mbps                                | \$56,821.47  |     |  |
| Navajo Communications Company AZ, NM, UT                                                                                               |                                                     |              |     |  |
|                                                                                                                                        | DS-1 - 1.544 Mbps                                   | \$50,041.67  | (C) |  |
|                                                                                                                                        | DS-3 - 44.736 Mbps                                  | \$159,026.40 | (C) |  |
|                                                                                                                                        | OC-3 - 155.520 Mbps                                 | \$56,821.47  |     |  |
|                                                                                                                                        | OC-3c - 155.520 Mbps                                | \$56,821.47  |     |  |
| Citizens Telecommunications Company of California CA<br>(Golden State and Tuolomne study areas) (OCNs 3402, 2342)                      |                                                     |              |     |  |
|                                                                                                                                        | DS-1 - 1.544 Mbps                                   | \$50,041.67  | (C) |  |
|                                                                                                                                        | DS-3 - 44.736 Mbps                                  | \$159,026.40 | (C) |  |
|                                                                                                                                        | OC-3 - 155.520 Mbps                                 | \$56,821.47  |     |  |
|                                                                                                                                        | OC-3c - 155.520 Mbps                                | \$56,821.47  |     |  |
| Citizens Telecommunications Company of Nevada NV                                                                                       |                                                     |              |     |  |
|                                                                                                                                        | DS-1 - 1.544 Mbps                                   | \$50,041.67  | (C) |  |
|                                                                                                                                        | DS-3 - 44.736 Mbps                                  | \$159,026.40 | (C) |  |
|                                                                                                                                        | OC-3 - 155.520 Mbps                                 | \$56,821.47  |     |  |
|                                                                                                                                        | OC-3c - 155.520 Mbps                                | \$56,821.47  |     |  |
|                                                                                                                                        | Channel Termination – per Termination, monthly rate |              |     |  |
|                                                                                                                                        | Competitive End User & IC CDL                       |              |     |  |
| Citizens Telecommunications Company of West Virginia WV<br>(Mountain State Study Area)                                                 |                                                     |              |     |  |
|                                                                                                                                        | DS-1 1.544 Mbps                                     | \$73,765.07  | (C) |  |
|                                                                                                                                        | DS-3 - 44.736 Mbps                                  | \$590,121.84 | (C) |  |
|                                                                                                                                        | OC-3 - 155.520 Mbps                                 | \$438,141.18 |     |  |
|                                                                                                                                        | OC-3c - 155.520 Mbps                                | \$410,757.29 |     |  |
| Citizens Telecommunications Company of Tennessee LLC TN<br>(Citizens Telecommunications Company Volunteer State Study Area) (OCN 0577) |                                                     |              |     |  |
|                                                                                                                                        | DS-1 1.544 Mbps                                     | \$73,765.07  | (C) |  |
|                                                                                                                                        | DS-3 - 44.736 Mbps                                  | \$590,121.84 | (C) |  |
|                                                                                                                                        | OC-3 - 155.520 Mbps                                 | \$438,141.18 |     |  |
|                                                                                                                                        | OC-3c - 155.520 Mbps                                | \$410,757.29 |     |  |
| Navajo Communications Company AZ, NM, UT                                                                                               |                                                     |              |     |  |
|                                                                                                                                        | DS-1 1.544 Mbps                                     | \$73,765.07  | (C) |  |
|                                                                                                                                        | DS-3 - 44.736 Mbps                                  | \$590,121.84 | (C) |  |
|                                                                                                                                        | OC-3 - 155.520 Mbps                                 | \$438,141.18 |     |  |
|                                                                                                                                        | OC-3c - 155.520 Mbps                                | \$410,757.29 |     |  |

**ACCESS SERVICE**

|                                                                             |                                                                   |            |                |     |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------|------------|----------------|-----|
| 20.                                                                         | <u>Rates and Charges (Cont'd)</u>                                 |            |                |     |
| 20.2                                                                        | <u>Rate Group #2 (Cont'd)</u>                                     |            |                |     |
| 20.2.5                                                                      | <u>Special Access Service (Cont'd)</u>                            |            |                |     |
|                                                                             | <u>High Capacity Service</u>                                      |            |                |     |
|                                                                             | <u>Channel Termination – per Termination, monthly rate</u>        |            |                |     |
|                                                                             | <u>Competitive End User &amp; IC CDL(cont'd)</u>                  |            |                |     |
| Citizens Telecommunications Company of California                           |                                                                   | CA         |                |     |
| (Golden State and Tuolumne study areas) (OCNs 3402, 2342)                   |                                                                   |            |                |     |
|                                                                             | DS-1 1.544 Mbps                                                   |            | \$73,765.07    | (C) |
|                                                                             | DS-3 - 44.736 Mbps                                                |            | \$590,121.84   | (C) |
|                                                                             | OC-3 - 155.520 Mbps                                               |            | \$438,141.18   |     |
|                                                                             | OC-3c - 155.520 Mbps                                              |            | \$410,757.29   |     |
| Citizens Telecommunications Company of Nevada                               |                                                                   | NV         |                |     |
|                                                                             | DS-1 1.544 Mbps                                                   |            | \$73,765.07    | (C) |
|                                                                             | DS-3 - 44.736 Mbps                                                |            | \$590,121.84   | (C) |
|                                                                             | OC-3 - 155.520 Mbps                                               |            | \$438,141.18   |     |
|                                                                             | OC-3c - 155.520 Mbps                                              |            | \$410,757.29   |     |
|                                                                             | <u>Channel Termination - per Termination, Nonrecurring Charge</u> |            |                |     |
| Citizens Telecommunications Company of West Virginia                        |                                                                   | WV         |                |     |
| (Mountain State Study Area)                                                 |                                                                   |            |                |     |
|                                                                             | DS-1 - 1.544 Mbps                                                 |            | \$268,236.83   | (C) |
|                                                                             | DS-3 - 44.736 Mbps                                                |            | \$1,306,697.35 | (C) |
|                                                                             | OC-3 - 155.520 Mbps                                               |            | \$492,908.76   |     |
|                                                                             | OC-3c - 155.520 Mbps                                              |            | \$492,908.76   |     |
| Citizens Telecommunications Company of Tennessee LLC                        |                                                                   | TN         |                |     |
| (Citizens Telecommunications Company Volunteer State Study Area) (OCN 0577) |                                                                   |            |                |     |
|                                                                             | DS-1 - 1.544 Mbps                                                 |            | \$268,236.83   | (C) |
|                                                                             | DS-3 - 44.736 Mbps                                                |            | \$1,306,697.35 | (C) |
|                                                                             | OC-3 - 155.520 Mbps                                               |            | \$492,908.76   |     |
|                                                                             | OC-3c - 155.520 Mbps                                              |            | \$492,908.76   |     |
| Navajo Communications Company                                               |                                                                   | AZ, NM, UT |                |     |
|                                                                             | DS-1 - 1.544 Mbps                                                 |            | \$268,236.83   | (C) |
|                                                                             | DS-3 - 44.736 Mbps                                                |            | \$1,306,697.35 | (C) |
|                                                                             | OC-3 - 155.520 Mbps                                               |            | \$492,908.76   |     |
|                                                                             | OC-3c - 155.520 Mbps                                              |            | \$492,908.76   |     |
| Citizens Telecommunications Company of California                           |                                                                   | CA         |                |     |
| (Golden State and Tuolumne study areas) (OCNs 3402, 2342)                   |                                                                   |            |                |     |
|                                                                             | DS-1 - 1.544 Mbps                                                 |            | \$268,236.83   | (C) |
|                                                                             | DS-3 - 44.736 Mbps                                                |            | \$1,306,697.35 | (C) |
|                                                                             | OC-3 - 155.520 Mbps                                               |            | \$492,908.76   |     |
|                                                                             | OC-3c - 155.520 Mbps                                              |            | \$492,908.76   |     |
| Citizens Telecommunications Company of Nevada                               |                                                                   | NV         |                |     |
|                                                                             | DS-1 - 1.544 Mbps                                                 |            | \$268,236.83   | (C) |
|                                                                             | DS-3 - 44.736 Mbps                                                |            | \$1,306,697.35 | (C) |
|                                                                             | OC-3 - 155.520 Mbps                                               |            | \$492,908.76   |     |
|                                                                             | OC-3c - 155.520 Mbps                                              |            | \$492,908.76   |     |



**ACCESS SERVICE**

|        |                                                                                |            |               |     |
|--------|--------------------------------------------------------------------------------|------------|---------------|-----|
| 20.    | <u>Rates and Charges (Cont'd)</u>                                              |            |               |     |
| 20.2   | <u>Rate Group #2 (Cont'd)</u>                                                  |            |               |     |
| 20.2.5 | <u>Special Access Service (Cont'd)</u>                                         |            |               |     |
|        | <u>High Capacity Service</u>                                                   |            |               |     |
|        | <u>Channel Mileage - Channel Mileage Facility, Per Mile, per month</u>         |            |               |     |
|        | Citizens Telecommunications Company of West Virginia                           | WV         |               |     |
|        | (Mountain State Study Area)                                                    |            |               |     |
|        | DS-1 - 1.544 Mbps                                                              |            | \$2,950.48    | (C) |
|        | DS-3 - 44.736 Mbps                                                             |            | \$50,581.81   | (C) |
|        | OC-3 - 155.520 Mbps                                                            |            | \$38,337.57   |     |
|        | OC-3c - 155.520 Mbps                                                           |            | \$38,337.57   |     |
|        | Citizens Telecommunications Company of Tennessee LLC                           | TN         |               |     |
|        | (Citizens Telecommunications Company Volunteer State Study Area) (OCN 0577)    |            |               |     |
|        | DS-1 - 1.544 Mbps                                                              |            | \$2,950.48    | (C) |
|        | DS-3 - 44.736 Mbps                                                             |            | \$50,581.81   | (C) |
|        | OC-3 - 155.520 Mbps                                                            |            | \$38,337.57   |     |
|        | OC-3c - 155.520 Mbps                                                           |            | \$38,337.57   |     |
|        | Navajo Communications Company                                                  | AZ, NM, UT |               |     |
|        | DS-1 - 1.544 Mbps                                                              |            | \$2,950.48    | (C) |
|        | DS-3 - 44.736 Mbps                                                             |            | \$50,581.81   | (C) |
|        | OC-3 - 155.520 Mbps                                                            |            | \$38,337.57   |     |
|        | OC-3c - 155.520 Mbps                                                           |            | \$38,337.57   |     |
|        | Citizens Telecommunications Company of California                              | CA         |               |     |
|        | (Golden State and Tuolumne study areas) (OCNs 3402, 2342)                      |            |               |     |
|        | DS-1 - 1.544 Mbps                                                              |            | \$2,950.48    | (C) |
|        | DS-3 - 44.736 Mbps                                                             |            | \$50,581.81   | (C) |
|        | OC-3 - 155.520 Mbps                                                            |            | \$38,337.57   |     |
|        | OC-3c - 155.520 Mbps                                                           |            | \$38,337.57   |     |
|        | Citizens Telecommunications Company of Nevada                                  | NV         |               |     |
|        | DS-1 - 1.544 Mbps                                                              |            | \$2,950.48    | (C) |
|        | DS-3 - 44.736 Mbps                                                             |            | \$50,581.81   | (C) |
|        | OC-3 - 155.520 Mbps                                                            |            | \$38,337.57   |     |
|        | OC-3c - 155.520 Mbps                                                           |            | \$38,337.57   |     |
|        | <u>Channel Mileage-Channel Mileage Termination, Per Termination, per month</u> |            |               |     |
|        | Citizens Telecommunications Company of West Virginia                           | WV         |               |     |
|        | (Mountain State Study Area)                                                    |            |               |     |
|        | DS-1 - 1.544 Mbps                                                              |            | \$59,433.02   | (C) |
|        | DS-3 - 44.736 Mbps                                                             |            | \$379,363.84  | (C) |
|        | OC-3 - 155.520 Mbps                                                            |            | \$ 273,838.06 |     |
|        | OC-3c - 155.520 Mbps                                                           |            | \$ 273,838.06 |     |
|        | Citizens Telecommunications Company of Tennessee LLC                           | TN         |               |     |
|        | (Citizens Telecommunications Company Volunteer State Study Area) (OCN 0577)    |            |               |     |
|        | DS-1 - 1.544 Mbps                                                              |            | \$59,433.02   | (C) |
|        | DS-3 - 44.736 Mbps                                                             |            | \$379,363.84  | (C) |
|        | OC-3 - 155.520 Mbps                                                            |            | \$273,838.06  |     |
|        | OC-3c - 155.520 Mbps                                                           |            | \$273,838.06  |     |
|        | Navajo Communications Company                                                  | AZ, NM, UT |               |     |
|        | DS-1 - 1.544 Mbps                                                              |            | \$59,433.02   | (C) |
|        | DS-3 - 44.736 Mbps                                                             |            | \$379,363.84  | (C) |
|        | OC-3 - 155.520 Mbps                                                            |            | \$ 273,838.06 |     |
|        | OC-3c - 155.520 Mbps                                                           |            | \$ 273,838.06 |     |

**ACCESS SERVICE**

20. Rates and Charges (Cont'd)  
 20.2 Rate Group #2 (Cont'd)  
 20.2.5 Special Access Service (Cont'd)  
High Capacity Service (cont'd)

Channel Mileage-Channel Mileage Termination, Per Termination, per month (cont'd)

|                                                           |    |              |     |
|-----------------------------------------------------------|----|--------------|-----|
| Citizens Telecommunications Company of California         | CA |              |     |
| (Golden State and Tuolumne study areas) (OCNs 3402, 2342) |    |              |     |
| DS-1 - 1.544 Mbps                                         |    | \$59,433.02  | (C) |
| DS-3 - 44.736 Mbps                                        |    | \$379,363.84 | (C) |
| OC-3 - 155.520 Mbps                                       |    | \$273,838.06 |     |
| OC-3c - 155.520 Mbps                                      |    | \$273,838.06 |     |
| Citizens Telecommunications Company of Nevada             | NV |              |     |
| DS-1 - 1.544 Mbps                                         |    | \$59,433.02  | (C) |
| DS-3 - 44.736 Mbps                                        |    | \$379,363.84 | (C) |
| OC-3 - 155.520 Mbps                                       |    | \$273,838.06 |     |
| OC-3c - 155.520 Mbps                                      |    | \$273,838.06 |     |

Discontinuance Non-Recurring Charge – per Circuit – all states

|                      |          |
|----------------------|----------|
| DS-1 - 1.544 Mbps    | \$975.00 |
| DS-3 - 44.736 Mbps   | \$975.00 |
| OC-3 - 155.520 Mbps  | \$975.00 |
| OC-3c - 155.520 Mbps | \$975.00 |

\* Material filed with Transmittal 88 with effective date of 8/1/2018

**ACCESS SERVICE**

|                                                                             |                                        |                                |  |
|-----------------------------------------------------------------------------|----------------------------------------|--------------------------------|--|
| 20.                                                                         | <u>Rates and Charges (Cont'd)</u>      |                                |  |
| 20.2                                                                        | <u>Rate Group #2 (Cont'd)</u>          |                                |  |
| 20.2.5                                                                      | <u>Special Access Service (Cont'd)</u> |                                |  |
|                                                                             | <u>High Capacity Service (Cont'd)</u>  |                                |  |
|                                                                             | <u>Optional Features and Functions</u> |                                |  |
| Citizens Telecommunications Company of West Virginia                        |                                        | WV (Mountain State Study Area) |  |
|                                                                             | <u>Multiplexing</u>                    |                                |  |
| -                                                                           | OC-3 to DS-3                           |                                |  |
|                                                                             | per month                              | \$170,170.84                   |  |
|                                                                             | Nonrecurring Charge                    | \$147,141.11                   |  |
| -                                                                           | OC-3 to DS-1                           |                                |  |
|                                                                             | per month                              | \$204,205.14                   |  |
|                                                                             | Nonrecurring Charge                    | \$147,141.11                   |  |
| -                                                                           | DS-3 to DS-1                           |                                |  |
|                                                                             | per month                              | \$536,474.64 (C)               |  |
|                                                                             | Nonrecurring Charge                    | \$497,004.90 (C)               |  |
| -                                                                           | DS-1 to Voice                          |                                |  |
|                                                                             | per month                              | \$100,780.75 (C)               |  |
|                                                                             | Nonrecurring Charge                    | \$159,792.64 (C)               |  |
| -                                                                           | DS-1 to DS0                            |                                |  |
|                                                                             | per month                              | \$100,780.75 (C)               |  |
|                                                                             | Nonrecurring Charge                    | \$159,792.64 (C)               |  |
| Citizens Telecommunications Company of Tennessee LLC                        |                                        | TN                             |  |
| (Citizens Telecommunications Company Volunteer State Study Area) (OCN 0577) |                                        |                                |  |
|                                                                             | <u>Multiplexing</u>                    |                                |  |
| -                                                                           | OC-3 to DS-3                           |                                |  |
|                                                                             | per month                              | \$170,170.84                   |  |
|                                                                             | Nonrecurring Charge                    | \$147,141.11                   |  |
| -                                                                           | OC-3 to DS-1                           |                                |  |
|                                                                             | per month                              | \$204,205.14                   |  |
|                                                                             | Nonrecurring Charge                    | \$147,141.11                   |  |
| -                                                                           | DS-3 to DS-1                           |                                |  |
|                                                                             | per month                              | \$536,474.64 (C)               |  |
|                                                                             | Nonrecurring Charge                    | \$497,004.90 (C)               |  |
| -                                                                           | DS-1 to Voice                          |                                |  |
|                                                                             | per month                              | \$100,780.75 (C)               |  |
|                                                                             | Nonrecurring Charge                    | \$159,792.64 (C)               |  |
| -                                                                           | DS-1 to DS0                            |                                |  |
|                                                                             | per month                              | \$100,780.75 (C)               |  |
|                                                                             | Nonrecurring Charge                    | \$159,792.64 (C)               |  |
| Navajo Communications Company                                               |                                        | AZ, NM, UT                     |  |
|                                                                             | <u>Multiplexing</u>                    |                                |  |
| -                                                                           | OC-3 to DS-3                           |                                |  |
|                                                                             | per month                              | \$170,170.84                   |  |
|                                                                             | Nonrecurring Charge                    | \$147,141.11                   |  |
| -                                                                           | OC-3 to DS-1                           |                                |  |
|                                                                             | per month                              | \$204,205.14                   |  |
|                                                                             | Nonrecurring Charge                    | \$147,141.11                   |  |
| -                                                                           | DS-3 to DS-1                           |                                |  |
|                                                                             | per month                              | \$536,474.64 (C)               |  |
|                                                                             | Nonrecurring Charge                    | \$497,004.90 (C)               |  |
| -                                                                           | DS-1 to Voice                          |                                |  |
|                                                                             | per month                              | \$100,780.75 (C)               |  |
|                                                                             | Nonrecurring Charge                    | \$159,792.64 (C)               |  |
| -                                                                           | DS-1 to DS0                            |                                |  |
|                                                                             | per month                              | \$100,780.75 (C)               |  |
|                                                                             | Nonrecurring Charge                    | \$159,792.64 (C)               |  |

**ACCESS SERVICE**

20. Rates and Charges (Cont'd)

20.2 Rate Group #2 (Cont'd)

20.2.5 Special Access Service (Cont'd)

High Capacity Service (Cont'd)

Optional Features and Functions

Citizens Telecommunications Company of California  
(Golden State and Tuolumne study areas) (OCNs 3402, 2342)

CA

Multiplexing

|   |                     |                  |
|---|---------------------|------------------|
| - | OC-3 to DS-3        |                  |
| - | per month           | \$170,170.84     |
|   | Nonrecurring Charge | \$147,141.11     |
| - | OC-3 to DS-1        |                  |
|   | per month           | \$204,205.14     |
|   | Nonrecurring Charge | \$147,141.11     |
| - | DS-3 to DS-1        |                  |
|   | per month           | \$536,474.64 (C) |
|   | Nonrecurring Charge | \$497,004.90 (C) |
| - | DS-1 to Voice       |                  |
|   | per month           | \$100,780.75 (C) |
|   | Nonrecurring Charge | \$159,792.64 (C) |
| - | DS-1 to DS0         |                  |
|   | per month           | \$100,780.75 (C) |
|   | Nonrecurring Charge | \$159,792.64 (C) |

Citizens Telecommunications Company of Nevada

NV

Multiplexing

|   |                     |                  |
|---|---------------------|------------------|
| - | OC-3 to DS-3        |                  |
| - | per month           | \$170,170.84     |
|   | Nonrecurring Charge | \$147,141.11     |
| - | OC-3 to DS-1        |                  |
|   | per month           | \$204,205.14     |
|   | Nonrecurring Charge | \$147,141.11     |
| - | DS-3 to DS-1        |                  |
|   | per month           | \$536,474.64 (C) |
|   | Nonrecurring Charge | \$497,004.90 (C) |
| - | DS-1 to Voice       |                  |
|   | per month           | \$100,780.75 (C) |
|   | Nonrecurring Charge | \$159,792.64 (C) |
| - | DS-1 to DS0         |                  |
|   | per month           | \$100,780.75 (C) |
|   | Nonrecurring Charge | \$159,792.64 (C) |

**ACCESS SERVICE**

|                                                                             |                                                    |  |              |          |
|-----------------------------------------------------------------------------|----------------------------------------------------|--|--------------|----------|
| 20.                                                                         | <u>Rates and Charges (Cont'd)</u>                  |  |              |          |
| 20.2                                                                        | <u>Rate Group #2 (Cont'd)</u>                      |  |              |          |
| 20.2.5                                                                      | <u>Special Access Service (Cont'd)</u>             |  |              |          |
|                                                                             | <u>High Capacity Service (Cont'd)</u>              |  |              |          |
|                                                                             | <u>Optional Features and Functions (Cont'd)</u>    |  |              |          |
|                                                                             | <u>Multiplexing (Cont'd)</u>                       |  |              |          |
| -                                                                           | Digital DS3 Cross Connect                          |  |              |          |
|                                                                             | per month                                          |  |              | *        |
|                                                                             | Nonrecurring Charge                                |  |              | *        |
| -                                                                           | Digital Data Subrate                               |  |              |          |
|                                                                             | One DSO to Twenty 2.4 Kbps                         |  |              |          |
|                                                                             | monthly rate                                       |  |              | ICB      |
|                                                                             | Nonrecurring Charge                                |  |              | ICB      |
|                                                                             | One DSO to Ten 4.8 Kbps                            |  |              |          |
|                                                                             | monthly rate                                       |  |              | ICB      |
|                                                                             | Nonrecurring Charge                                |  |              | ICB      |
|                                                                             | One DSO to Five 9.6 Kbps                           |  |              |          |
|                                                                             | monthly rate                                       |  |              | ICB      |
|                                                                             | Nonrecurring Charge                                |  |              | ICB      |
|                                                                             | Automatic Loop transfer**                          |  |              |          |
| -                                                                           | per Arrangement                                    |  |              | ICB      |
| -                                                                           | per Termination                                    |  |              | \$143.05 |
|                                                                             | Automatic Protection Switching per DS1             |  |              |          |
|                                                                             | monthly rate                                       |  |              | *        |
|                                                                             | Nonrecurring Charge                                |  |              | *        |
|                                                                             | Clear Channel Capability, per DS1 circuit arranged |  |              |          |
|                                                                             | monthly rate                                       |  |              |          |
|                                                                             |                                                    |  |              | \$0.00   |
|                                                                             | Clear Channel Capability, Nonrecurring Charge:     |  |              |          |
| Citizens Telecommunications Company of West Virginia                        | WV                                                 |  |              |          |
| (Mountain State Study Area)                                                 |                                                    |  | \$206,232.16 | (C)      |
| Citizens Telecommunications Company of Tennessee LLC                        | TN                                                 |  | \$206,232.16 |          |
| (Citizens Telecommunications Company Volunteer State Study Area) (OCN 0577) |                                                    |  |              |          |
| Navajo Communications Company                                               | AZ, NM, UT                                         |  | \$206,232.16 |          |
| Citizens Telecommunications Company of California                           | CA                                                 |  | \$206,232.16 |          |
| (Golden State and Tuolumne study areas) (OCNs 3402, 2342)                   |                                                    |  |              |          |
| Citizens Telecommunications Company of Nevada                               | NV                                                 |  | \$206,232.16 | (C)      |

\* No demand - rates available on request.

\*\* An additional Channel Termination charge will apply whenever the space channel is configured as a leg to the customer designated premises. Additional Channel Mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

ACCESS SERVICE

20. Rates and Charges (Cont'd)

20.3 Rate Group #3 (Cont'd)

20.3.3 Access Ordering

Regulations concerning Access Ordering are set forth in Section 5 preceding.

| <u>Service Date Change Charge</u>                                                      | Nonrecurring<br><u>Charge</u> |
|----------------------------------------------------------------------------------------|-------------------------------|
| - Per Order                                                                            | \$150.00                      |
| <u>Design Change Charge</u> -- Per order, per occurrence<br>Ogden Telephone Company NY | \$57,479.36 (C)               |
| <u>Cancellation Charge</u> -- Per order, per occurrence<br>Ogden Telephone Company NY  | \$134,202.02 (C)              |
| <u>Expedited Order Charge</u>                                                          |                               |
| - Per Order, per day expedited                                                         | \$300.00                      |

**ACCESS SERVICE**

20. Rates and Charges (Cont'd)

20.3 Rate Group #3 (Cont'd)

20.3.5 Special Access Service (Cont'd)  
Ogden Telephone Company NY:

High Capacity Service

Service Order Charge- per Order

|                      |                  |
|----------------------|------------------|
| DS-1 - 1.544 Mbps    | \$50,041.67 (C)  |
| DS-3 - 44.736 Mbps   | \$159,026.40 (C) |
| OC-3 - 155.520 Mbps  | \$56,821.47      |
| OC-3c - 155.520 Mbps | \$56,821.47      |

Channel Termination

|   |                                          |                    |
|---|------------------------------------------|--------------------|
| - | per Termination, monthly rate            |                    |
|   | <u>Competitive End User &amp; IC CDL</u> |                    |
|   | DS-1 1.544 Mbps                          | \$63,227.43 (C)    |
|   | DS-3 - 44.736 Mbps                       | \$505,818.38 (C)   |
|   | OC-3 - 155.520 Mbps                      | \$438,141.18       |
|   | OC-3c - 155.520 Mbps                     | \$410,757.29       |
| - | per Termination, Nonrecurring Charge     |                    |
|   | DS-1 - 1.544 Mbps                        | \$268,236.83 (C)   |
|   | DS-3 - 44.736 Mbps                       | \$1,306,697.35 (C) |
|   | OC-3 - 155.520 Mbps                      | \$492,908.76       |
|   | OC-3c - 155.520 Mbps                     | \$492,908.76       |

Channel Mileage

|   |                                                            |                  |
|---|------------------------------------------------------------|------------------|
| - | Channel Mileage Facility,<br>Per Mile, per month           |                  |
|   | DS-1 - 1.544 Mbps                                          | \$7,702.10 (C)   |
|   | DS-3 - 44.736 Mbps                                         | \$41,308.37 (C)  |
|   | OC-3 - 155.520 Mbps                                        | \$38,337.57      |
|   | OC-3c - 155.520 Mbps                                       | \$38,337.57      |
| - | Channel Mileage Termination,<br>Per termination, per month |                  |
|   | DS-1 - 1.544 Mbps                                          | \$25,290.95 (C)  |
|   | DS-3 - 44.736 Mbps                                         | \$358,288.25 (C) |
|   | OC-3 - 155.520 Mbps                                        | \$273,838.06     |
|   | OC-3c - 155.520 Mbps                                       | \$273,838.06     |

Discontinuance Non-Recurring Charge – per Circuit

|                      |          |
|----------------------|----------|
| DS-1 - 1.544 Mbps    | \$975.00 |
| DS-3 - 44.736 Mbps   | \$975.00 |
| OC-3 - 155.520 Mbps  | \$975.00 |
| OC-3c - 155.520 Mbps | \$975.00 |

**ACCESS SERVICE**

20. Rates and Charges (Cont'd)

20.3 Rate Group #3 (Cont'd)

20.3.5 Special Access Service (Cont'd)

High Capacity Service (Cont'd)  
Ogden Telephone Company NY:

Optional Features and Functions

Multiplexing

|   |                     |                  |
|---|---------------------|------------------|
| - | OC-3 to DS-3        |                  |
|   | per month           | \$170,170.84     |
|   | Nonrecurring Charge | \$147,141.07     |
| - | OC-3 to DS-1        |                  |
|   | per month           | \$204,205.14     |
|   | Nonrecurring Charge | \$147,141.07     |
| - | DS-3 to DS-1        |                  |
|   | per month           | \$536,474.64 (C) |
|   | Nonrecurring Charge | \$497,004.77 (C) |
| - | DS-1 to Voice       |                  |
|   | per month           | \$100,780.75 (C) |
|   | Nonrecurring Charge | \$159,792.99 (C) |
| - | DS-1 to DS0         |                  |
|   | per month           | \$100,780.75 (C) |
|   | Nonrecurring Charge | \$159,792.99 (C) |



**ACCESS SERVICE**

20. Rates and Charges (Cont'd)

20.3 Rate Group #3 (Cont'd)

20.3.5 Special Access Service (Cont'd)

High Capacity Service (Cont'd)

Optional Features and Functions (Cont'd)

Multiplexing (Cont'd)

|   |                                                    |                  |
|---|----------------------------------------------------|------------------|
| - | Digital DS3 Cross Connect                          |                  |
|   | per month                                          | *                |
|   | Nonrecurring Charge                                | *                |
| - | Digital Data Subrate                               |                  |
|   | One DSO to Twenty 2.4 Kbps                         |                  |
|   | monthly rate                                       | ICB              |
|   | Nonrecurring Charge                                | ICB              |
|   | One DSO to Ten 4.8 Kbps                            |                  |
|   | monthly rate                                       | ICB              |
|   | Nonrecurring Charge                                | ICB              |
|   | One DSO to Five 9.6 Kbps                           |                  |
|   | monthly rate                                       | ICB              |
|   | Nonrecurring Charge                                | ICB              |
|   | Automatic Loop transfer**                          |                  |
| - | per Arrangement                                    | ICB              |
| - | per Termination                                    | *                |
|   | Automatic Protection Switching per DS1             |                  |
|   | monthly rate                                       | *                |
|   | Nonrecurring Charge                                | *                |
|   | Clear Channel Capability, per DS1 circuit arranged |                  |
|   | Ogden Telephone Company NY:                        |                  |
|   | monthly rate                                       | \$0.00           |
|   | Nonrecurring Charge                                | \$206,232.37 (C) |

\* No demand - rates available on request.

\*\* An additional Channel Termination charge will apply whenever the space channel is configured as a leg to the customer designated premises. Additional Channel Mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

**ACCESS SERVICE**

20. Rates and Charges (Cont'd)

20.4 Rate Group #4 (Cont'd)

20.4.3 Access Ordering

Regulations concerning Access Ordering are set forth in Section 5 preceding.

| <u>Service Date Change Charge</u> | <u>Nonrecurring Charge</u> |
|-----------------------------------|----------------------------|
| - Per Order                       | \$50.00                    |

Design Change Charge - Per order, per occurrence

|                                                                            |        |             |     |
|----------------------------------------------------------------------------|--------|-------------|-----|
| Citizens Telecommunications Company of Nebraska                            | NE     | \$10,043.50 | (C) |
| Citizens Telecommunications Company of Minnesota, LLC                      | MN     | \$10,043.50 |     |
| Citizens Telecommunications Company of Illinois<br>(includes Fairplay, WI) | IL, WI | \$10,043.50 |     |

Cancellation Charge -Per Order

|                                                                            |        |              |     |
|----------------------------------------------------------------------------|--------|--------------|-----|
| Citizens Telecommunications Company of Nebraska                            | NE     | \$134,202.02 |     |
| Citizens Telecommunications Company of Minnesota, LLC                      | MN     | \$134,202.02 |     |
| Citizens Telecommunications Company of Illinois<br>(includes Fairplay, WI) | IL, WI | \$134,202.02 | (C) |

Expedited Order Charge

|                                |          |
|--------------------------------|----------|
| - Per Order, per day expedited | \$300.00 |
|--------------------------------|----------|

**ACCESS SERVICE**

|                                                                            |                                                            |                |     |  |
|----------------------------------------------------------------------------|------------------------------------------------------------|----------------|-----|--|
| 20.                                                                        | <u>Rates and Charges (Cont'd)</u>                          |                |     |  |
| 20.4                                                                       | <u>Rate Group #4 (Cont'd)</u>                              |                |     |  |
| 20.4.5                                                                     | <u>Special Access Service (Cont'd)</u>                     |                |     |  |
|                                                                            | <u>High Capacity Service</u>                               |                |     |  |
|                                                                            | <u>Service Order Charge – per order</u>                    |                |     |  |
| Citizens Telecommunications Company of Nebraska                            | NE                                                         |                |     |  |
|                                                                            | DS-1 - 1.544 Mbps                                          | \$50,041.67    | (C) |  |
|                                                                            | DS-3 - 44.736 Mbps                                         | \$159,026.40   | (C) |  |
|                                                                            | OC-3 - 155.520 Mbps                                        | \$56,821.47    |     |  |
|                                                                            | OC-3c - 155.520 Mbps                                       | \$56,821.47    |     |  |
| Citizens Telecommunications Company of Minnesota, LLC                      | MN                                                         |                |     |  |
|                                                                            | DS-1 - 1.544 Mbps                                          | \$50,041.67    | (C) |  |
|                                                                            | DS-3 - 44.736 Mbps                                         | \$159,026.40   | (C) |  |
|                                                                            | OC-3 - 155.520 Mbps                                        | \$56,821.47    |     |  |
|                                                                            | OC-3c - 155.520 Mbps                                       | \$56,821.47    |     |  |
| Citizens Telecommunications Company of Illinois<br>(includes Fairplay, WI) | IL, WI                                                     |                |     |  |
|                                                                            | DS-1 - 1.544 Mbps                                          | \$50,041.67    | (C) |  |
|                                                                            | DS-3 - 44.736 Mbps                                         | \$159,026.40   | (C) |  |
|                                                                            | OC-3 - 155.520 Mbps                                        | \$56,821.47    |     |  |
|                                                                            | OC-3c - 155.520 Mbps                                       | \$56,821.47    |     |  |
|                                                                            | <u>Channel Termination - per Termination, monthly rate</u> |                |     |  |
| Citizens Telecommunications Company of Nebraska                            | NE                                                         |                |     |  |
|                                                                            | <u>Competitive End User &amp; IC CDL</u>                   |                |     |  |
|                                                                            | DS-1 1.544 Mbps                                            | \$103,271.23   | (C) |  |
|                                                                            | DS-3 - 44.736 Mbps                                         | \$590,121.84   | (C) |  |
|                                                                            | OC-3 - 155.520 Mbps                                        | \$438,141.18   |     |  |
|                                                                            | OC-3c - 155.520 Mbps                                       | \$410,757.29   |     |  |
|                                                                            | <u>- per Termination, Nonrecurring Charge</u>              |                |     |  |
|                                                                            | DS-1 - 1.544 Mbps                                          | \$268,236.83   | (C) |  |
|                                                                            | DS-3 - 44.736 Mbps                                         | \$1,306,697.35 | (C) |  |
|                                                                            | OC-3 - 155.520 Mbps                                        | \$492,908.76   |     |  |
|                                                                            | OC-3c - 155.520 Mbps                                       | \$492,908.76   |     |  |
| Citizens Telecommunications Company of Minnesota, LLC                      | MN                                                         |                |     |  |
|                                                                            | <u>Competitive End User &amp; IC CDL</u>                   |                |     |  |
|                                                                            | DS-1 1.544 Mbps                                            | \$103,271.23   | (C) |  |
|                                                                            | DS-3 - 44.736 Mbps                                         | \$590,121.84   | (C) |  |
|                                                                            | OC-3 - 155.520 Mbps                                        | \$438,141.18   |     |  |
|                                                                            | OC-3c - 155.520 Mbps                                       | \$410,757.29   |     |  |
|                                                                            | <u>- per Termination, Nonrecurring Charge</u>              |                |     |  |
|                                                                            | DS-1 - 1.544 Mbps                                          | \$268,236.83   | (C) |  |
|                                                                            | DS-3 - 44.736 Mbps                                         | \$1,306,697.35 | (C) |  |
|                                                                            | OC-3 - 155.520 Mbps                                        | \$492,908.76   |     |  |
|                                                                            | OC-3c - 155.520 Mbps                                       | \$492,908.76   |     |  |
| Citizens Telecommunications Company of Illinois<br>(includes Fairplay, WI) | IL, WI                                                     |                |     |  |
|                                                                            | <u>Competitive End User &amp; IC CDL</u>                   |                |     |  |
|                                                                            | DS-1 1.544 Mbps                                            | \$103,271.23   | (C) |  |
|                                                                            | DS-3 - 44.736 Mbps                                         | \$590,121.84   | (C) |  |
|                                                                            | OC-3 - 155.520 Mbps                                        | \$438,141.18   |     |  |
|                                                                            | OC-3c - 155.520 Mbps                                       | \$410,757.29   |     |  |
|                                                                            | <u>- per Termination, Nonrecurring Charge</u>              |                |     |  |
|                                                                            | DS-1 - 1.544 Mbps                                          | \$268,236.83   | (C) |  |
|                                                                            | DS-3 - 44.736 Mbps                                         | \$1,306,697.35 | (C) |  |
|                                                                            | OC-3 - 155.520 Mbps                                        | \$492,908.76   |     |  |
|                                                                            | OC-3c - 155.520 Mbps                                       | \$492,908.76   |     |  |

**ACCESS SERVICE**

|                                                                            |                                                                     |                  |
|----------------------------------------------------------------------------|---------------------------------------------------------------------|------------------|
| 20.                                                                        | <u>Rates and Charges (Cont'd)</u>                                   |                  |
| 20.4                                                                       | <u>Rate Group #4 (Cont'd)</u>                                       |                  |
| 20.4.5                                                                     | <u>Special Access Service (Cont'd)</u>                              |                  |
|                                                                            | <u>High Capacity Service</u>                                        |                  |
|                                                                            | <u>Channel Mileage</u>                                              |                  |
| Citizens Telecommunications Company of Nebraska                            | NE                                                                  |                  |
| -                                                                          | Channel Mileage Facility,<br>Per mile, per month                    |                  |
|                                                                            | DS-1 - 1.544 Mbps                                                   | \$6,322.87 (C)   |
|                                                                            | DS-3 - 44.736 Mbps                                                  | \$21,076.13 (C)  |
|                                                                            | OC-3 - 155.520 Mbps                                                 | \$38,337.57      |
|                                                                            | OC-3c - 155.520 Mbps                                                | \$38,337.57      |
| -                                                                          | Channel Mileage Termination,<br>Per termination, per month          |                  |
|                                                                            | DS-1 - 1.544 Mbps                                                   | \$16,565.73 (C)  |
|                                                                            | DS-3 - 44.736 Mbps                                                  | \$210,757.69 (C) |
|                                                                            | OC-3 - 155.520 Mbps                                                 | \$273,838.06     |
|                                                                            | OC-3c - 155.520 Mbps                                                | \$273,838.06     |
| Citizens Telecommunications Company of Minnesota, LLC                      | MN                                                                  |                  |
| -                                                                          | Channel Mileage Facility,<br>Per mile, per month                    |                  |
|                                                                            | DS-1 - 1.544 Mbps                                                   | \$6,322.87 (C)   |
|                                                                            | DS-3 - 44.736 Mbps                                                  | \$21,076.13 (C)  |
|                                                                            | OC-3 - 155.520 Mbps                                                 | \$38,337.57      |
|                                                                            | OC-3c - 155.520 Mbps                                                | \$38,337.57      |
| -                                                                          | Channel Mileage Termination,<br>Per termination, per month          |                  |
|                                                                            | DS-1 - 1.544 Mbps                                                   | \$16,565.73 (C)  |
|                                                                            | DS-3 - 44.736 Mbps                                                  | \$210,757.69 (C) |
|                                                                            | OC-3 - 155.520 Mbps                                                 | \$273,838.06     |
|                                                                            | OC-3c - 155.520 Mbps                                                | \$273,838.06     |
| Citizens Telecommunications Company of Illinois<br>(includes Fairplay, WI) | IL, WI                                                              |                  |
| -                                                                          | Channel Mileage Facility,<br>Per mile, per month                    |                  |
|                                                                            | DS-1 - 1.544 Mbps                                                   | \$6,322.87 (C)   |
|                                                                            | DS-3 - 44.736 Mbps                                                  | \$21,076.13 (C)  |
|                                                                            | OC-3 - 155.520 Mbps                                                 | \$38,337.57      |
|                                                                            | OC-3c - 155.520 Mbps                                                | \$38,337.57      |
| -                                                                          | Channel Mileage Termination,<br>Per termination, per month          |                  |
|                                                                            | DS-1 - 1.544 Mbps                                                   | \$16,565.73 (C)  |
|                                                                            | DS-3 - 44.736 Mbps                                                  | \$210,757.69 (C) |
|                                                                            | OC-3 - 155.520 Mbps                                                 | \$273,838.06     |
|                                                                            | OC-3c - 155.520 Mbps                                                | \$273,838.06     |
|                                                                            | <u>Discontinuance Non-Recurring Charge – per Circuit all states</u> |                  |
|                                                                            | DS-1 - 1.544 Mbps                                                   | \$975.00         |
|                                                                            | DS-3 - 44.736 Mbps                                                  | \$975.00         |
|                                                                            | OC-3 - 155.520 Mbps                                                 | \$975.00         |
|                                                                            | OC-3c - 155.520 Mbps                                                | \$975.00         |

**ACCESS SERVICE**

|                                                       |                                        |              |     |  |
|-------------------------------------------------------|----------------------------------------|--------------|-----|--|
| 20.                                                   | <u>Rates and Charges (Cont'd)</u>      |              |     |  |
| 20.4                                                  | <u>Rate Group #4 (Cont'd)</u>          |              |     |  |
| 20.4.5                                                | <u>Special Access Service (Cont'd)</u> |              |     |  |
|                                                       | <u>High Capacity Service (Cont'd)</u>  |              |     |  |
|                                                       | <u>Optional Features and Functions</u> |              |     |  |
|                                                       | <u>Multiplexing</u>                    |              |     |  |
| Citizens Telecommunications Company of Nebraska       | NE                                     |              |     |  |
| -                                                     | OC-3 to DS-3                           |              |     |  |
|                                                       | per month                              | \$170,170.84 |     |  |
|                                                       | Nonrecurring Charge                    | \$147,141.07 |     |  |
| -                                                     | OC-3 to DS-1                           |              |     |  |
|                                                       | per month                              | \$204,205.14 |     |  |
|                                                       | Nonrecurring Charge                    | \$147,141.07 |     |  |
| -                                                     | DS-3 to DS-1                           |              |     |  |
|                                                       | per month                              | \$536,474.64 | (C) |  |
|                                                       | Nonrecurring Charge                    | \$497,004.77 | (C) |  |
| -                                                     | DS-1 to Voice                          |              |     |  |
|                                                       | per month                              | \$71,738.30  | (C) |  |
|                                                       | Nonrecurring Charge                    | \$306,556.46 | (C) |  |
| -                                                     | DS-1 to DS0                            |              |     |  |
|                                                       | per month                              | \$71,738.30  | (C) |  |
|                                                       | Nonrecurring Charge                    | \$306,556.46 | (C) |  |
| Citizens Telecommunications Company of Minnesota, LLC | MN                                     |              |     |  |
| -                                                     | OC-3 to DS-3                           |              |     |  |
|                                                       | per month                              | \$170,170.84 |     |  |
|                                                       | Nonrecurring Charge                    | \$147,141.07 |     |  |
| -                                                     | OC-3 to DS-1                           |              |     |  |
|                                                       | per month                              | \$204,205.14 |     |  |
|                                                       | Nonrecurring Charge                    | \$147,141.07 |     |  |
| -                                                     | DS-3 to DS-1                           |              |     |  |
|                                                       | per month                              | \$536,474.64 | (C) |  |
|                                                       | Nonrecurring Charge                    | \$497,004.77 | (C) |  |
| -                                                     | DS-1 to Voice                          |              |     |  |
|                                                       | per month                              | \$71,738.30  | (C) |  |
|                                                       | Nonrecurring Charge                    | \$306,556.46 | (C) |  |
| -                                                     | DS-1 to DS0                            |              |     |  |
|                                                       | per month                              | \$71,738.30  | (C) |  |
|                                                       | Nonrecurring Charge                    | \$306,556.46 | (C) |  |
| Citizens Telecommunications Company of Illinois       | IL, WI (includes Fairplay, WI)         |              |     |  |
| -                                                     | OC-3 to DS-3                           |              |     |  |
|                                                       | per month                              | \$170,170.84 |     |  |
|                                                       | Nonrecurring Charge                    | \$147,141.07 |     |  |
| -                                                     | OC-3 to DS-1                           |              |     |  |
|                                                       | per month                              | \$204,205.14 |     |  |
|                                                       | Nonrecurring Charge                    | \$147,141.07 |     |  |
| -                                                     | DS-3 to DS-1                           |              |     |  |
|                                                       | per month                              | \$536,474.64 | (C) |  |
|                                                       | Nonrecurring Charge                    | \$497,004.77 | (C) |  |
| -                                                     | DS-1 to Voice                          |              |     |  |
|                                                       | per month                              | \$71,738.30  | (C) |  |
|                                                       | Nonrecurring Charge                    | \$306,556.46 | (C) |  |
| -                                                     | DS-1 to DS0                            |              |     |  |
|                                                       | per month                              | \$71,738.30  | (C) |  |
|                                                       | Nonrecurring Charge                    | \$306,556.46 | (C) |  |

ACCESS SERVICE

|                                                                            |                                                                        |  |                  |
|----------------------------------------------------------------------------|------------------------------------------------------------------------|--|------------------|
| 20.                                                                        | <u>Rates and Charges (Cont'd)</u>                                      |  |                  |
| 20.4                                                                       | <u>Rate Group #4 (Cont'd)</u>                                          |  |                  |
| 20.4.5                                                                     | <u>Special Access Service (Cont'd)</u>                                 |  |                  |
|                                                                            | <u>High Capacity Service (Cont'd)</u>                                  |  |                  |
|                                                                            | <u>Optional Features and Functions (Cont'd)</u>                        |  |                  |
|                                                                            | <u>Multiplexing (Cont'd)</u>                                           |  |                  |
| -                                                                          | Digital DS3 Cross Connect                                              |  |                  |
|                                                                            | per month                                                              |  | *                |
|                                                                            | Nonrecurring Charge                                                    |  | *                |
| -                                                                          | Digital Data Subrate                                                   |  |                  |
|                                                                            | One DSO to Twenty 2.4 Kbps                                             |  |                  |
|                                                                            | monthly rate                                                           |  | ICB              |
|                                                                            | Nonrecurring Charge                                                    |  | ICB              |
|                                                                            | One DSO to Ten 4.8 Kbps                                                |  |                  |
|                                                                            | monthly rate                                                           |  | ICB              |
|                                                                            | Nonrecurring Charge                                                    |  | ICB              |
|                                                                            | One DSO to Five 9.6 Kbps                                               |  |                  |
|                                                                            | monthly rate                                                           |  | ICB              |
|                                                                            | Nonrecurring Charge                                                    |  | ICB              |
|                                                                            | Automatic Loop transfer**                                              |  |                  |
| -                                                                          | per Arrangement                                                        |  | ICB              |
| -                                                                          | per Termination                                                        |  | ICB              |
|                                                                            | Automatic Protection Switching per DS1                                 |  |                  |
|                                                                            | monthly rate                                                           |  | *                |
|                                                                            | Nonrecurring Charge                                                    |  | *                |
|                                                                            | Clear Channel Capability, per DS1 circuit arranged                     |  |                  |
|                                                                            | monthly rate                                                           |  | \$0.00           |
|                                                                            | Clear Channel Capability, per DS1 circuit arranged Nonrecurring Charge |  |                  |
| Citizens Telecommunications Company of Nebraska                            | NE                                                                     |  | \$206,232.37 (C) |
| Citizens Telecommunications Company of Minnesota, LLC                      | MN                                                                     |  | \$206,232.37     |
| Citizens Telecommunications Company of Illinois<br>(includes Fairplay, WI) | IL, WI                                                                 |  | \$206,232.37 (C) |

\* No demand - rates available on request.

\*\* An additional Channel Termination charge will apply whenever the space channel is configured as a leg to the customer designated premises. Additional Channel Mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

**ACCESS SERVICE**

20. Rates and Charges (Cont'd)

20.5 Rate Group #5 (Cont'd)

20.5.3 Access Ordering

Regulations concerning Access Ordering are set forth in Section 5 preceding.

|                                   |                               |
|-----------------------------------|-------------------------------|
| <u>Service Date Change Charge</u> | Nonrecurring<br><u>Charge</u> |
|-----------------------------------|-------------------------------|

|             |         |
|-------------|---------|
| - Per Order | \$50.00 |
|-------------|---------|

Design Change Charge – per order – per occurrence

|                                                                                                  |    |             |     |
|--------------------------------------------------------------------------------------------------|----|-------------|-----|
| Citizens Telecommunications Company of California, Inc.<br>(Global Valley study area) (OCN 2315) | CA | \$14,604.79 | (C) |
|--------------------------------------------------------------------------------------------------|----|-------------|-----|

Cancellation Charge – per order

|                                                                                                  |    |              |     |
|--------------------------------------------------------------------------------------------------|----|--------------|-----|
| Citizens Telecommunications Company of California, Inc.<br>(Global Valley study area) (OCN 2315) | CA | \$161,042.15 | (C) |
|--------------------------------------------------------------------------------------------------|----|--------------|-----|

Expedited Order Charge

|                                |          |
|--------------------------------|----------|
| - Per Order, per day expedited | \$300.00 |
|--------------------------------|----------|

**ACCESS SERVICE**

20. Rates and Charges (Cont'd)

20.5 Rate Group #5 (Cont'd)

20.5.5 Special Access Service (Cont'd)

High Capacity Service

Citizens Telecommunications Company of California, Inc.  
(Global Valley study area) (OCN 2315) :

CA

Service Order Charge – per order

|                      |                  |
|----------------------|------------------|
| DS-1 - 1.544 Mbps    | \$50,041.67 (C)  |
| DS-3 - 44.736 Mbps   | \$159,026.40 (C) |
| OC-3 - 155.520 Mbps  | \$ 56,821.47     |
| OC-3c - 155.520 Mbps | \$ 56,821.47     |

Channel Termination

-

per Termination, monthly rate

Competitive End User & IC CDL

|                      |                  |
|----------------------|------------------|
| DS-1 1.544 Mbps      | \$34,679.57 (C)  |
| DS-3 - 44.736 Mbps   | \$289,373.57 (C) |
| OC-3 - 155.520 Mbps  | \$438,141.18     |
| OC-3c - 155.520 Mbps | \$410,757.29     |

-

per Termination, Nonrecurring Charge

|                      |                    |
|----------------------|--------------------|
| DS-1 - 1.544 Mbps    | \$268,236.83 (C)   |
| DS-3 - 44.736 Mbps   | \$1,306,697.35 (C) |
| OC-3 - 155.520 Mbps  | \$492,908.76       |
| OC-3c - 155.520 Mbps | \$492,908.76       |

Channel Mileage

-

Channel Mileage Facility,

Per mile, per month

|                      |                 |
|----------------------|-----------------|
| DS-1 - 1.544 Mbps    | \$1,928.08 (C)  |
| DS-3 - 44.736 Mbps   | \$23,122.10 (C) |
| OC-3 - 155.520 Mbps  | \$38,337.57     |
| OC-3c - 155.520 Mbps | \$38,337.57     |

-

Channel Mileage Termination,

Per termination, per month

|                      |                  |
|----------------------|------------------|
| DS-1 - 1.544 Mbps    | \$37,177.61 (C)  |
| DS-3 - 44.736 Mbps   | \$173,396.04 (C) |
| OC-3 - 155.520 Mbps  | \$273,838.06     |
| OC-3c - 155.520 Mbps | \$273,838.06     |

Discontinuance Non-Recurring Charge – per Circuit

|                      |          |
|----------------------|----------|
| DS-1 - 1.544 Mbps    | \$975.00 |
| DS-3 - 44.736 Mbps   | \$975.00 |
| OC-3 - 155.520 Mbps  | \$975.00 |
| OC-3c - 155.520 Mbps | \$975.00 |



**ACCESS SERVICE**

20. Rates and Charges (Cont'd)

20.5 Rate Group #5 (Cont'd)

20.5.5 Special Access Service (Cont'd)

High Capacity Service (Cont'd)

Optional Features and Functions

Citizens Telecommunications Company of California, Inc.  
(Global Valley study area) (OCN 2315) :

CA

Multiplexing

|   |                     |                  |  |
|---|---------------------|------------------|--|
| - | OC-3 to DS-3        |                  |  |
|   | per month           | \$170,170.84     |  |
|   | Nonrecurring Charge | \$147,141.07     |  |
| - | OC-3 to DS-1        |                  |  |
|   | per month           | \$204,205.14     |  |
|   | Nonrecurring Charge | \$147,141.07     |  |
| - | DS-3 to DS-1        |                  |  |
|   | per month           | \$536,474.64 (C) |  |
|   | Nonrecurring Charge | \$497,004.77 (C) |  |
| - | DS-1 to Voice       |                  |  |
|   | per month           | \$100,780.75 (C) |  |
|   | Nonrecurring Charge | \$159,792.99 (C) |  |
| - | DS-1 to DS0         |                  |  |
|   | per month           | \$100,780.75 (C) |  |
|   | Nonrecurring Charge | \$159,792.99 (C) |  |

**ACCESS SERVICE**

20. Rates and Charges (Cont'd)

20.5 Rate Group #5 (Cont'd)

20.5.5 Special Access Service (Cont'd)

High Capacity Service (Cont'd)

Optional Features and Functions (Cont'd)

Multiplexing (Cont'd)

|   |                                                    |  |                  |
|---|----------------------------------------------------|--|------------------|
| - | Digital DS3 Cross Connect                          |  |                  |
|   | per month                                          |  | *                |
|   | Nonrecurring Charge                                |  | *                |
| - | Digital Data Substrate                             |  |                  |
|   | One DSO to Twenty 2.4 Kbps                         |  |                  |
|   | monthly rate                                       |  | ICB              |
|   | Nonrecurring Charge                                |  | ICB              |
|   | One DSO to Ten 4.8 Kbps                            |  |                  |
|   | monthly rate                                       |  | ICB              |
|   | Nonrecurring Charge                                |  | ICB              |
|   | One DSO to Five 9.6 Kbps                           |  |                  |
|   | monthly rate                                       |  | ICB              |
|   | Nonrecurring Charge                                |  | ICB              |
|   | Automatic Loop transfer**                          |  |                  |
| - | per Arrangement                                    |  | ICB              |
| - | per Termination                                    |  | \$143.05         |
|   | Automatic Protection Switching per DS1             |  |                  |
|   | monthly rate                                       |  | *                |
|   | Nonrecurring Charge                                |  | *                |
|   | Clear Channel Capability, per DS1 circuit arranged |  |                  |
|   | monthly rate                                       |  | \$0.00           |
|   | Nonrecurring Charge                                |  | \$206,232.37 (C) |

\* No demand - rates available on request.

\*\* An additional Channel Termination charge will apply whenever the space channel is configured as a leg to the customer designated premises. Additional Channel Mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.