

Revenue Requirement and Access Rate Reconciliation

Rate Element	Average Historical Revenue Requirement	Average Actual Historical Usage	Billable Units	Current Access Rate	Check Historical Based Revenue	Prior Access Rate
Traffic Sensitive:						
Local Switching - Term			Access MOU	0.024878	-	0.033554
Local Switching - Orig				0.063106	-	0.047311
800 Data Base Query Basic				0.007470		0.005600
800 Data Base Query Vertical				0.008270		0.006200
Information Surcharge - Term			100 Access MOU	-	-	-
Information Surcharge - Orig				0.069360		0.052000
Local Transport						
VG Entrance Facilities			Channel term.	-	-	-
DS1 Entrance Facilities			DS1 Channel Terms	-	-	-
DS3 Entrance Facilities			DS3 Channel Terms	-	-	-
VG 2 Wire - Installation EF			Per Installation	-	-	-
VG 4 Wire - Installation EF			Per Installation	-	-	-
Hi Cap DS1 - Installation EF			Per Installation	-	-	-
Hi Cap DS3 - Installation EF			Per Installation	-	-	-
Tandem Mileage Facility			Channel miles	0.000566	-	0.000424
Tandem Mileage Terminations			Chan Mile Term	0.002937	-	0.001032
Tandem Switching			Tnd sw MOU	0.007408	-	0.002601
DT Transport VG Channel Mileage			Channel miles	7.63	-	5.72
DT Transport VG Channel Mileage Term			Chan Mile Term	76.70	-	57.50
DT Transport DS1 Channel Mileage			Channel miles	35.79	-	26.83
DT Transport DS1 Channel Mileage Term			Chan Mile Term	185.67	-	139.20
DT Transport DS3 Channel Mileage			Channel miles	311.72	-	233.70
DT Transport DS3 Channel Mileage Term			Chan Mile Term	1,192.25	-	893.84
MUX (DS1-VG)			Per Arrangement	419.99	-	314.87
MUX (DS3-DS1)			Per Arrangement	1,087.80	-	815.53
				-	-	-
Special Access:						
Channel Termination						
Voice Grade, 2-Wire	\$ -	-	Channel term.	140.93	-	112.44
Voice Grade, 4-Wire	\$ -	-	Channel term.	225.49	-	179.92
DS1 High Cap	\$ 47,130	72	Channel term.	654.58	47,130	517.23
DS3 High Cap	\$ -	-	Channel term.	1,859.03	-	4,264.18
DDS, 4-Wire	\$ -	-	Channel term.	243.51	-	207.54
Mux (DS1 - DS0)	\$ -	-	Per Arrangement	257.86	-	419.32
Mux (DS1 - Voice)	\$ -	-	Per Arrangement	257.86	-	419.32
Mux (DS3 - DS1)	\$ -	-	Per Arrangement	624.81	-	1,016.04
Voice Grade - Installation	\$ -	-	Per Installation	450.00	-	450.00
Digital Data - Installation	\$ -	-	Per Installation	390.00	-	390.00
DS1 - 1.544 Installation	\$ 660	2	Per Installation	330.00	660	330.00
DS3 - 44.736 Installation	\$ -	-	Per Installation	445.00	-	445.00
Channel Mileage						
Channel Mileage	\$ -	-	Channel miles	4.93	-	8.02
Channel Mileage Term	\$ -	-	Chan Mile Term	49.50	-	80.49
DS1 Hi - Cap Channel Mile	\$ 15,354	780	Channel miles	19.68	15,350	32.01
DS1 Hi - Cap Channel Mile Term.	\$ 4,697	46	Chan Mile Term	102.10	4,697	166.03
DS3 Hi - Cap Channel Mile	\$ -	-	Channel miles	171.40	-	278.73
DS3 Hi - Cap Channel Mile Term.	\$ -	-	Chan Mile Term	655.55	-	1,066.03
DDS Channel Mile	\$ -	-	Channel miles	6.64	-	10.79
DDS Channel Mile Term.	\$ -	-	Chan Mile Term	66.63	-	108.35

Filing Date: 6/29/2015
Filing Entity: Cannon Valley Telephone

Interstate Tariff Section	USOC	Interstate Switched Access Rate Element	7/1/2014 Capped Rate	7/1/2015 Capped Rate
Input	Input	Input (Note 1)		
		** LOCAL SWITCHING **		
17.2.3		Local Switching - Term	0.033554	0.024878
		Local Switching - Orig	0.047311	0.063106
		800 Data Base Query Basic	0.005600	0.007470
		800 Data Base Query Vertical	0.006200	0.008270
		** INFORMATION **		
17.2.3		Information Surcharge - Term		0.000000
		Information Surcharge - Orig	0.052000	0.069360
		** TANDEM-SWITCHED TRANSPORT AND TANDEM **		
17.2.2		Tandem Switching	0.005554	0.007408
17.2.2		Tandem Mileage Terminations	0.002202	0.002937
17.2.2		Tandem Mileage Facility	0.000424	0.000566
		** SIGNALING FOR TANDEM SWITCHING **		
		** DIRECT-TRUNKED TRANSPORT **		
17.2.2		Direct Trunk Facility - VG	5.72	7.63
17.2.2		Direct Trunk Terms - VG	57.50	76.70
17.2.2		Direct Trunk Facility - DS1	26.83	35.79
17.2.2		Direct Trunk Terms - DS1	139.20	185.67
17.2.2		Direct Trunk Facility - DS3	233.70	311.72
17.2.2		Direct Trunk Terms - DS3	893.84	1,192.25
				-
		Mux DS1 to VG	314.87	419.99
		MUX DS3 to DS1	815.53	1,087.80
		** DEDICATED SIGNALING TRANSPORT **		
		** ENTRANCE FACILITIES **		
		** LINE INFORMATION DATABASE **		
		** BILLING NAME AND ADDRESS **		

Provided by NECA:

SAR_ID	SAR_ABBR	Test Period 2011-12 Forecasted Interstate Switched Access Revenue excl LSS Minute	Test Period 2011-12 Forecasted Interstate Switched Access Revenue excl LSS	Test Period 2011-12 Forecasted Interstate Switched Access Revenue Requirement excl LSS	Test Period 2011-12 Forecasted Interstate Switched Access Revenue Contribution/Receipt	Adjustment Factor	Company Level Rate Change per 51.909(a)
361440	CANNON VLY TELECOM	1,730,175	\$110,685	\$147,638	(\$36,953)	-33.39%	33.4%

a NECA Associaton Calculated Rate per 51.909 (a)(4)(ii)(A) 33.386%
Claculation of Switched Rates upon Exit from NECA Pool:

	Frozen Rate	Calculated Change	Post Exit Tariff Rate	
Local Switching - Term	0.033554	0.0112022	0.044756	revised rate before transition to 0.005
Local Switching - Orig	0.047311	0.0157950	0.063106	
800 Data Base Query Basic	0.005600	0.0018696	0.007470	
800 Data Base Query Vertical	0.006200	0.0020699	0.008270	
Information Surcharge - Term	0.000000	0.0000000	0.000000	
Information Surcharge - Orig	0.052000	0.0173605	0.069360	
Tandem Switching	0.005554	0.0018542	0.007408	
Tandem Mileage Terminations	0.002202	0.0007352	0.002937	
Tandem Mileage Facility	0.000424	0.0001416	0.000566	
Direct Trunk Facility - VG	5.72	1.91	7.63	
Direct Trunk Terms - VG	57.50	19.20	76.70	
Direct Trunk Facility - DS1	26.83	8.96	35.79	
Direct Trunk Terms - DS1	139.20	46.47	185.67	
Direct Trunk Facility - DS3	233.70	78.02	311.72	
Direct Trunk Terms - DS3	893.84	298.41	1,192.25	
Mux DS1 to VG	314.87	105.12	419.99	
MUX DS3 to DS1	815.53	272.27	1,087.80	

Special Access Channel Termination Rate Development

Summary of Rate Development

Rate Element	2014 Historical Revenue Requirement	Tariff Period Historical Usage	Access Rate	Rate Band 17	
				NECA Access Rate	NECA Revenues
Channel Termination					
Voice Grade: 2-wire	-	-	140.93	\$ 112.44	\$ -
Voice Grade: 4-wire	-	-	225.49	\$ 179.92	\$ -
Hi-Cap: DS-1	47,130	72	654.58	\$ 517.23	\$ 37,240.56
Hi-Cap: DS-3	-	-	1,859.03	\$ 4,264.18	\$ -
DDS:	-	-	243.51	\$ 207.54	\$ -
MUX: DS1-DS0	-	-	257.86	\$ 419.32	\$ -
MUX: DS1-VG	-	-	257.86	\$ 419.32	\$ -
MUX: DS3-DS1	-	-	624.81	\$ 1,016.04	\$ -
Channel Mileage					
Voice Grade Channel Mileage	-	-	4.93	\$ 8.02	\$ -
Voice Grade Channel Mileage Term	-	-	49.50	\$ 80.49	\$ -
Hi-Cap Channel Mileage	15,354	780	19.68	\$ 32.01	\$ 24,967.80
Hi-Cap Channel Mileage Term	4,697	46	102.10	\$ 166.03	\$ 7,637.38
DS3 Hi-Cap Channel Mileage	-	-	171.40	\$ 278.73	\$ -
DS3 Hi-Cap Channel Mileage Term	-	-	655.55	\$ 1,066.03	\$ -
DDS Channel Mileage	-	-	6.64	\$ 10.79	\$ -
DDS Channel Mileage Term	-	-	66.63	\$ 108.35	\$ -
ETS Basic Port Charge 1 Gbps	8,901	12	741.71	\$ 912.48	\$ 10,949.76
ETS Basic Port Charge 100 Mbps	3,338	12	278.15	\$ 342.19	\$ 4,106.28
ETS Channel Term <= 300 feet 1 Gbps	8,787	12	732.25	\$ 849.72	\$ 10,196.64
ETS Channel Term > 300 feet 100 Mbps	7,532	12	627.64	\$ 825.56	\$ 9,906.72
ETS Extended EVC 100 Mbps	-	-	570.10	\$ 684.36	\$ -
ETS Extended EVC50 Mbps	4,257	12	354.73	\$ 425.82	\$ 5,109.84
Non Recurring Special Access					
Voice Grade Terms	-	-	450.00	\$ 450.00	\$ -
DDS Terms	-	-	390.00	\$ 390.00	\$ -
DS1 Terms	660	2	330.00	\$ 330.00	\$ 660.00
DS3 Terms	-	-	445.00	\$ 445.00	\$ -
Total Special Access	100,654				110,774.98
	100,654	check against total Revenue Requirements			
	-	check			

	Channel Terminations	Channel Mile Facility & Term	ETS CT	ETS CMF	Total
Apportioned 2014 Avg Schedule SA Revenues	47,790	20,050	8,089	24,725	100,654
Apportioned 2014 Avg Schedule SA Revenues	47,790	20,050	8,089	24,725	100,654

Special Access Channel Termination Rate Development

Development of Channel Term Rates, Based on Equivalency to 4-Wire VG Circuits

Type of Termination	Quantity	Tariff Period Unit Cost	Historical Total CT Revenue Requirement	Monthly Rate	VG 4-wire Equivalents	Weighted Equivalents
60 Voice Grade						
61 2-wire	-	140.93	-	140.93	0.62	-
62 4-wire	-	225.49	-	225.49	1.00	-
64 Hi-Cap						
65 DS-1	72	654.58	47,130	654.58	2.90	209
67 DS-3	-	1,859.03	-	1,859.03	8.24	-
70 MUX (DS-1 to DS-0)	-	257.86	-	257.86		
71 MUX (DS-1 to VG)	-	257.86	-	257.86		
72 MUX (DS3 to DS1)	-	624.81	-	624.81		
74 DDS						
75 4-wire	-	243.51	-	243.51	1.08	-
78 Total Recurring Channel Terminations Rev. Req.			47,130			209
80			47,130	check		
Non Recurring	Demand	Revenue Requirement		Rate	MUX Rates NECA RB 9	
86 VG Channel Terminations	-	-	\$	450.00	DS1 to DS0	\$ 419.32
87 DDS Terminations	-	-	\$	390.00	DS1 to VG	\$ 419.32
88 DS1 Channel Terminations	2	660	\$	330.00	DS3 to DS1	\$ 1,016.04
89 DS3 Channel Terminations	-	-	\$	445.00		
90 Total Non Recurring Term Revenue		660				
92 Total Channel Terminations Rev. Req.				47,790		

Development of Channel Mileage and Channel Mileage Term Rates

Special Study	Equivalent VG CMF	Usage	Weighted Equivalent	Historical Revenue Requirement	Tariff Rate
Rate Band 9					
93 Voice Grade Channel Mileage	\$ 8.02	1.00	-	\$ -	\$ 4.93
94 Voice Grade Channel Mileage Term	\$ 80.49	10.04	-	\$ -	\$ 49.50
95 Hi-Cap Channel Mileage	\$ 32.01	3.99	780	\$ 3,113	\$ 19.68
96 Hi-Cap Channel Mileage Term	\$ 166.03	20.70	46	\$ 4,697	\$ 102.10
97 DDS Channel Mileage	\$ 10.79	1.35	-	\$ -	\$ 6.64
98 DDS Channel Mileage Term	\$ 108.35	13.51	-	\$ -	\$ 66.63
99 DS3 Hi-Cap Channel Mileage	\$ 278.73	34.75	-	\$ -	\$ 171.40
100 DS3 Hi-Cap Channel Mileage Term	\$ 1,066.03	132.92	-	\$ -	\$ 655.55
101 Total			4,065	\$ 20,050	
102 Check				-	

	Monthly	NRC	Monthly	NRC	Monthly	NRC	Monthly	NRC	Monthly	NRC	Monthly	NRC	Monthly	NRC
DEVELOPED BASE RATE (100 Mbps):	\$260.15	\$ 224.00	\$ 627.64	\$ 224.00	\$ 278.15	\$ 211.00	NA	\$ 122.00	\$ 570.10	\$ 342.00	\$790.50	\$ 342.00	\$1,215.80	\$ 342.00

Ethernet Transport Service - Cannon Valley Telephone Specific Rates														
	Channel Termination ≤ 300ft		Channel Termination > 300ft		Basic Port		DSL ASCC		Extended EVC		Interconnected EVC ≤ 50 Miles		Interconnected EVC 51-75 Miles	
	Monthly	NRC	Monthly	NRC	Monthly	NRC	Monthly	NRC	Monthly	NRC	Monthly	NRC	Monthly	NRC
2 Mbps	\$130.16	\$224.00	\$457.41	\$224.00	\$177.10	\$211.00	NA	\$122.00	\$51.86	\$342.00	\$70.64	\$342.00	\$118.30	\$342.00
5 Mbps	\$159.72	\$224.00	\$462.45	\$224.00	\$196.06	\$211.00	NA	\$122.00	\$65.73	\$342.00	\$91.69	\$342.00	\$187.30	\$342.00
10 Mbps	\$184.48	\$224.00	\$469.02	\$224.00	\$216.51	\$211.00	NA	\$122.00	\$118.34	\$342.00	\$177.84	\$342.00	\$364.76	\$342.00
20 Mbps	\$202.50	\$224.00	\$530.59	\$224.00	\$240.55	\$211.00	NA	\$122.00	\$236.68	\$342.00	\$337.82	\$342.00	\$492.90	\$342.00
50 Mbps	\$234.13	\$224.00	\$599.81	\$224.00	\$254.94	\$211.00	NA	\$122.00	\$354.73	\$342.00	\$559.61	\$342.00	\$997.33	\$342.00
100 Mbps	\$260.15	\$224.00	\$627.64	\$224.00	\$278.15	\$211.00	NA	\$122.00	\$570.10	\$342.00	\$790.50	\$342.00	\$1,215.80	\$342.00
250 Mbps	\$370.49	\$224.00	\$655.48	\$224.00	\$383.94	\$211.00	NA	\$122.00	\$1,186.67	\$342.00	\$1,798.84	\$342.00	\$2,108.65	\$342.00
500 Mbps	\$485.61	\$335.62	\$867.15	\$335.62	\$486.76	\$316.09	NA	\$183.00	\$1,836.99	\$513.00	\$2,464.48	\$513.00	\$2,887.52	\$513.00
750 Mbps	\$564.29	\$335.62	\$997.48	\$335.62	\$615.53	\$316.09	NA	\$183.00	\$2,498.23	\$513.00	\$3,305.97	\$513.00	\$3,884.85	\$513.00
1 Gbps	\$732.25	\$335.62	\$1,156.19	\$335.62	\$741.71	\$316.09	NA	\$183.00	\$3,167.18	\$513.00	\$4,184.97	\$513.00	\$4,939.17	\$513.00
2.5 Gbps	\$1,248.64	\$335.62	\$2,230.80	\$335.62	\$1,424.56	\$316.09	NA	\$183.00	\$6,106.71	\$513.00	\$8,055.21	\$513.00	\$9,509.87	\$513.00
5 Gbps	\$1,895.79	\$335.62	\$3,388.08	\$335.62	\$2,165.32	\$316.09	NA	\$183.00	\$9,276.86	\$513.00	\$12,241.92	\$513.00	\$14,446.64	\$513.00
10 Gbps	\$2,588.65	\$335.62	\$4,629.09	\$335.62	\$2,963.08	\$316.09	NA	\$183.00	\$12,680.61	\$513.00	\$16,737.74	\$513.00	\$19,756.17	\$513.00

DEVELOPED BASE RATE (100 Mbps):	Monthly	NRC	NRT	RT (incl QoS)	NRC	Monthly	NRC	NRT	RT (incl QoS)	NRC
		\$171.00	\$0.63	\$1.23		\$848.80	\$ 83.00	\$1.08	\$2.17	
	Intraswitch EVC		Class of Service (CoS) per 1Mbps increment for Intraswitch EVC			Interswitch EVC		Class of Service (CoS) per 1Mbps increment for Interswitch EVC		
	Monthly	NRC	NRT	RT (incl QoS)	NRC	Monthly	NRC	NRT	RT (incl QoS)	NRC
2 Mbps	\$0.00	\$171.00	\$1.10	\$2.25	NA	\$77.80	\$83.00	\$1.80	\$3.61	NA
5 Mbps	\$0.00	\$171.00	\$1.10	\$2.25	NA	\$105.18	\$83.00	\$1.80	\$3.61	NA
10 Mbps	\$0.00	\$171.00	\$1.10	\$2.25	NA	\$197.21	\$83.00	\$1.80	\$3.61	NA
20 Mbps	\$0.00	\$171.00	\$1.10	\$2.25	NA	\$394.45	\$83.00	\$1.80	\$3.61	NA
50 Mbps	\$0.00	\$171.00	\$0.63	\$1.23	NA	\$532.10	\$83.00	\$1.08	\$2.17	NA
100 Mbps	\$0.00	\$171.00	\$0.63	\$1.23	NA	\$848.80	\$ 83.00	\$1.08	\$2.17	NA
250 Mbps	\$0.00	\$171.00	\$0.63	\$1.23	NA	\$1,748.76	\$83.00	\$1.08	\$2.17	NA
500 Mbps	\$0.00	\$256.08	\$0.35	\$0.70	NA	\$2,913.81	\$124.30	\$0.65	\$1.30	NA
750 Mbps	\$0.00	\$256.08	\$0.35	\$0.70	NA	\$3,872.25	\$124.30	\$0.65	\$1.30	NA
1 Gbps	\$0.00	\$256.08	\$0.35	\$0.70	NA	\$5,067.51	\$124.30	\$0.65	\$1.30	NA
2.5 Gbps	\$0.00	\$256.08	\$0.24	\$0.51	NA	\$9,760.72	\$124.30	\$0.41	\$0.81	NA
5 Gbps	\$0.00	\$256.08	\$0.24	\$0.51	NA	\$14,832.97	\$124.30	\$0.41	\$0.81	NA
10 Gbps	\$0.00	\$256.08	\$0.24	\$0.51	NA	\$20,288.96	\$124.30	\$0.41	\$0.81	NA

DEVELOPED RATE FACTOR	0.76	0.76	0.76	0.76	0.83	0.83	0.83	0.83	0.81	0.81				
ETS Port Protection						ETS MM - VCC**			ETS LBR-VCC**		Interconnection Port			
2 Mbps - 1 Gbps			2.5 Gbps - 10 Gbps			per 10 Mbps	Monthly	NRC		Monthly	NRC	Monthly	NRC	
CT ≤ 300ft	\$96.32	\$425.00	CT ≤ 300ft	\$151.55	\$150.00	One-Way	\$7.23	\$6.00	per 64 Kbps	\$0.43	\$6.00	44.736 Mbps	\$2,886.70	\$143.00
CT > 300ft	\$221.81	\$425.00	CT > 300ft	\$151.55	\$150.00	Two-Way	\$8.95	\$6.00	** MM-VCC and LBR-BCC only avail	\$0.00		155.52 Mbps	\$3,464.05	\$213.00
Interconnection via ETS. See Tariff No. 5, Sections 8 and 16 for other restrictions.												622.08 Mbps	\$5,773.42	\$213.00

Filing Date: 6/16/2014

Filing Entity: NECA

Transmittal #: 1423-Amended 5/1/2015

Annualized Test Period Demand 7/14 - 6/15 Access Revenue Requirements

	Rates	Demand	Apportioned Rev Req
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Special - VG

2-Wire CT	\$ 59.91	3,204	191,952
4-Wire CT	\$ 95.86	11,020	1,056,377
CMT	\$ 42.88	10,460	448,525
CMF	\$ 4.25	163,323	694,123
NR	\$ 450.00	7	3,150
			2,394,126

DDS CT	\$ 103.52
DDS CMF	\$ 4.78
DDS CMT	\$ 54.05

Special-High Cap

HC CT	\$ 278.27	618,831	172,202,102
HC CMT	\$ 89.32	564,809	50,448,740
HC CMF	\$ 17.21	5,078,054	87,393,309
NR	\$ 445.00	1,493	664,385
			310,708,537

Total			313,102,663
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NECA

Channel Terminations	173,450,431	55.52%
Channel Mileage Terms	50,897,265	16.29%
Channel Mileage Facility	88,087,432	28.19%
	312,435,128	100.00%

Cannon Valley Telephone

2014 Average Schedule SA settlements

		Weighted Channel Terms	Average Channel Terms	Weighted Average Mileage Facility		CT Allocation	CMT & CMF Allocation
	100,654						
Channel Terminations	55,879	37,241	0.855243	-		47,790	
Channel Mileage Terms	16,397			-			
Channel Mileage Facility	28,378			8,151 0.44780			20,050
ETS CT		6,303	0.144757	-		8,089	
ETS Facility				10,052 0.55220			24,725
Total	100,654	43,544	100.0%	18,203 100.0%		55,879	44,775

	\$100,654
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