

Citizens Telecommunications Companies - Group #1
Summary of Exogenous Costs
Excluding ATS Targeting

Trans. 140
Exhibit 1.1-1
Page 1 of 1

	<u>Quantity</u>	<u>Source / Comments</u>
CMT Basket		
1 Regulatory Fees	0	n/a for this filing
2 TRS Costs	0	n/a for this filing
3 NANPA	0	n/a for this filing
4 Total Common Line	0	Sum of Lines 1..3
Traffic Sensitive Basket		
5 Regulatory Fees	0	n/a for this filing
6 TRS Costs	0	n/a for this filing
7 NANPA	0	n/a for this filing
8 Total Traffic Sensitive	0	Sum of Lines 5..7
Special Access Basket		
9 Regulatory Fees	0	n/a for this filing
10 TRS Costs	0	n/a for this filing
11 NANPA	0	n/a for this filing
12 Total Special Access	0	Sum of Lines 9..11

Citizens Telecommunications Companies - Group #1
Summary of Exogenous Costs Targeted to SBIs
Excluding ATS Targeting

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	<u>Quantity</u>	<u>Source / Comments</u>
Traffic Sensitive Basket		
Database Access Band Undesignated		
1 Reg Fees	0	n/a for this filing
2 TRS	0	n/a for this filing
3 NANPA	0	n/a for this filing
4 Total Database Access Undesignated	0	Sum of Lines 1..3
Billing Name and Address Band		
5 Reg Fees	0	n/a for this filing
6 TRS	0	n/a for this filing
7 NANPA	0	n/a for this filing
8 Total Billing Name and Address Band	0	Sum of Lines 5..7
9 Total Traffic Sensitive Targeting	0	Line 4 + Line 8
10 Total Traffic Sensitive Exogenous Costs	0	Exhibit 1.1-1, Line 8
11 Non-Targeted TS Exogenous Costs	0	Line 10 - Line 9

Citizens Telecommunications Companies - Group #1
Summary of Exogenous Costs Targeted to SBIs
Excluding ATS Targeting

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	Quantity	<u>Source / Comments</u>
Special Access Basket		
12 Voice Grade Band	0	no targeting below basket level
13 Audio/Video Band	0	no targeting below basket level
14 HiCap & DDS Band	0	no targeting below basket level
15 Total Special Access Targeting	0	Sum of lines 12,13,14
16 Total Special Access Exogenous Costs	0	Exhibit 1.1-1, Line 12
17 Non-Targeted Special Access Exogenous Cos	0	Line 16 - Line 15

Citizens Telecommunications Companies - Group #1
Summary of Average Traffic Sensitive Rate Targeting to SBIs

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	<u>Quantity</u>	<u>Source / Comments</u>
Traffic Sensitive Basket		
1 Local Switching Band	0	Exhibit 2.1-7, Line 800
2 Information	0	Exhibit 2.1-7, Line 810
3 Trunk Ports Band	0	Exhibit 2.1-7, Line 805
4 STP Ports Band	0	Exhibit 2.1-7, Line 815
5 Total Traffic Sensitive Targeting	0	Sum of lines 1..4
Trunking Basket		
6 Tandem Transport Band	0	Exhibit 2.1-7, Line 830
7 Voice Grade Band	0	Exhibit 2.1-7, Line 862
8 DS1 Sub-Band	0	Exhibit 2.1-7, Line 926
9 DS3 Sub-Band	0	Exhibit 2.1-7, Line 986
10 HiCap - Other	0	Exhibit 2.1-7, Line 1046
11 Total Trunking Targeting	0	Sum of lines 6..10

Citizens Telecommunications Companies - Group #2
Summary of Exogenous Costs
Excluding ATS Targeting

Trans. 140
Exhibit 1.2-1
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	<u>Quantity</u>	<u>Source / Comments</u>
CMT Basket		
1 Regulatory Fees	0	n/a for this filing
2 TRS Costs	0	n/a for this filing
3 NANPA	0	n/a for this filing
4 Total Common Line	0	Sum of Lines 1..3
Traffic Sensitive Basket		
5 Regulatory Fees	0	n/a for this filing
6 TRS Costs	0	n/a for this filing
7 NANPA	0	n/a for this filing
8 Total Traffic Sensitive	0	Sum of Lines 5..7
Special Access Basket		
9 Regulatory Fees	0	n/a for this filing
10 TRS Costs	0	n/a for this filing
11 NANPA	0	n/a for this filing
12 Total Special Access	0	Sum of Lines 9..11

Citizens Telecommunications Companies - Group #2
Summary of Exogenous Costs Targeted to SBIs
Excluding ATS Targeting

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Exhibit 1.2-2
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	<u>Quantity</u>	<u>Source / Comments</u>
Traffic Sensitive Basket		
Database Access Band Undesignated		
1 Reg Fees	0	n/a for this filing
2 TRS	0	n/a for this filing
3 NANPA	0	n/a for this filing
4 Total Database Access Undesignated	0	Sum of Lines 1..3
Billing Name and Address Band		
5 Reg Fees	0	n/a for this filing
6 TRS	0	n/a for this filing
7 NANPA	0	n/a for this filing
8 Total Billing Name and Address Band	0	Sum of Lines 5..7
9 Total Traffic Sensitive Targeting	0	Line 4 + Line 8
10 Total Traffic Sensitive Exogenous Costs	0	Exhibit 1.2-1, Line 8
11 Non-Targeted TS Exogenous Costs	0	Line 10 - Line 9

Citizens Telecommunications Companies - Group #2
Summary of Exogenous Costs Targeted to SBIs
Excluding ATS Targeting

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	Quantity	<u>Source / Comments</u>
Special Access Basket		
12 Voice Grade Band	0	no targeting below basket level
13 Audio/Video Band	0	no targeting below basket level
14 HiCap & DDS Band	0	no targeting below basket level
15 Total Special Access Targeting	0	Sum of lines 12,13,14
16 Total Special Access Exogenous Costs	0	Exhibit 1.2-1, Line 12
17 Non-Targeted Special Access Exogenous Cos	0	Line 16 - Line 15

Citizens Telecommunications Companies - Group #2
Summary of Average Traffic Sensitive Rate Targeting to SBLs

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Exhibit 1.2-3
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	<u>Quantity</u>	<u>Source / Comments</u>
Traffic Sensitive Basket		
1 Local Switching Band	0	Exhibit 2.2-7, Line 800
2 Information	0	Exhibit 2.2-7, Line 810
3 Trunk Ports Band	0	Exhibit 2.2-7, Line 805
4 STP Ports Band	0	Exhibit 2.2-7, Line 815
5 Total Traffic Sensitive Targeting	0	Sum of lines 1..4
Trunking Basket		
6 Tandem Transport Band	0	Exhibit 2.2-7, Line 830
7 Voice Grade Band	0	Exhibit 2.2-7, Line 862
8 DS1 Sub-Band	0	Exhibit 2.2-7, Line 926
9 DS3 Sub-Band	0	Exhibit 2.2-7, Line 986
10 HiCap - Other	0	Exhibit 2.2-7, Line 1046
11 Total Trunking Targeting	0	Sum of lines 6..10

Citizens Telecommunications Companies - Group #3
Summary of Exogenous Costs
Excluding ATS Targeting

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Exhibit 1.3-1
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	Quantity	Source / Comments
CMT Basket		
1 Regulatory Fees	0	n/a for this filing
2 TRS Costs	0	n/a for this filing
3 NANPA	0	n/a for this filing
4 Total Common Line	0	Sum of Lines 1..3
Traffic Sensitive Basket		
5 Regulatory Fees	0	n/a for this filing
6 TRS Costs	0	n/a for this filing
7 NANPA	0	n/a for this filing
8 Total Traffic Sensitive	0	Sum of Lines 5..7
Special Access Basket		
9 Regulatory Fees	0	n/a for this filing
10 TRS Costs	0	n/a for this filing
11 NANPA	0	n/a for this filing
12 Total Special Access	0	Sum of Lines 9..11

Citizens Telecommunications Companies - Group #3
Summary of Exogenous Costs Targeted to SBIs
Excluding ATS Targeting

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Exhibit 1.3-2
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	Quantity	Source / Comments
Traffic Sensitive Basket		
Database Access Band Undesignated		
1 Reg Fees	0	n/a for this filing
2 TRS	0	n/a for this filing
3 NANPA	0	n/a for this filing
4 Reversal of Low End Adjustment	0	n/a for this filing
5 Low End Adjustment	0	n/a for this filing
6 Total Database Access Undesignated	0	Sum of Lines 1..5
Billing Name and Address Band		
7 Reg Fees	0	n/a for this filing
8 TRS	0	n/a for this filing
9 NANPA	0	n/a for this filing
10 Reversal of Low End Adjustment	0	n/a for this filing
11 Low End Adjustment	0	n/a for this filing
12 Total Billing Name and Address Band	0	Sum of Lines 7..11
13 Total Traffic Sensitive Targeting	0	Line 6 + Line 12
14 Total Traffic Sensitive Exogenous Costs	0	Exhibit 1.3-1, Line 8
15 Non-Targeted TS Exogenous Costs	0	Line 14 - Line 13

Citizens Telecommunications Companies - Group #3
Summary of Exogenous Costs Targeted to SBIs
Excluding ATS Targeting

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Exhibit 1.3-2
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	Quantity	<u>Source / Comments</u>
Special Access Basket		
16 Voice Grade Band	0	no targeting below basket level
17 Audio/Video Band	0	no targeting below basket level
18 HiCap & DDS Band	0	no targeting below basket level
19 Total Special Access Targeting	0	Sum of lines 16,17,18
20 Total Special Access Exogenous Costs	0	Exhibit 1.3-1, Line 12
21 Non-Targeted Special Access Exogenous Cos	0	Line 20 - Line 19

Citizens Telecommunications Companies - Group #3
Summary of Average Traffic Sensitive Rate Targeting to SBLs

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Exhibit 1.3-3
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	<u>Quantity</u>	<u>Source / Comments</u>
Traffic Sensitive Basket		
1 Local Switching Band	0	Exhibit 2.3-7, Line 800
2 Information	0	Exhibit 2.3-7, Line 810
3 Trunk Ports Band	0	Exhibit 2.3-7, Line 805
4 STP Ports Band	0	Exhibit 2.3-7, Line 815
5 Total Traffic Sensitive Targeting	0	Sum of lines 1..4
Trunking Basket		
6 Tandem Transport Band	0	Exhibit 2.3-7, Line 830
7 Voice Grade Band	0	Exhibit 2.3-7, Line 862
8 DS1 Sub-Band	0	Exhibit 2.3-7, Line 926
9 DS3 Sub-Band	0	Exhibit 2.3-7, Line 986
10 HiCap - Other	0	Exhibit 2.3-7, Line 1046
11 Total Trunking Targeting	0	Sum of lines 6..10

Citizens Telecommunications Companies - Group #4
Summary of Exogenous Costs
Excluding ATS Targeting

Trans. 140
Exhibit 1.4-1
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	Quantity	Source / Comments
CMT Basket		
1 Regulatory Fees	0	n/a for this filing
2 TRS Costs	0	n/a for this filing
3 NANPA	0	n/a for this filing
4 Total Common Line	0	Sum of Lines 1..3
Traffic Sensitive Basket		
5 Regulatory Fees	0	n/a for this filing
6 TRS Costs	0	n/a for this filing
7 NANPA	0	n/a for this filing
8 Total Traffic Sensitive	0	Sum of Lines 5..7
Special Access Basket		
9 Regulatory Fees	0	n/a for this filing
10 TRS Costs	0	n/a for this filing
11 NANPA	0	n/a for this filing
12 Total Special Access	0	Sum of Lines 9..11

Citizens Telecommunications Companies - Group #4
Summary of Exogenous Costs Targeted to SBIs
Excluding ATS Targeting

Trans. 140
Exhibit 1.4-2
Page 1 of 2

	<u>Quantity</u>	<u>Source / Comments</u>
Traffic Sensitive Basket		
Database Access Band Undesignated		
1 Reg Fees	0	n/a for this filing
2 TRS	0	n/a for this filing
3 NANPA	0	n/a for this filing
4 Total Database Access Undesignated	0	Sum of Lines 1..3
Billing Name and Address Band		
5 Reg Fees	0	n/a for this filing
6 TRS	0	n/a for this filing
7 NANPA	0	n/a for this filing
8 Total Billing Name and Address Band	0	Sum of Lines 5..7
9 Total Traffic Sensitive Targeting	0	Line 4 + Line 8
10 Total Traffic Sensitive Exogenous Costs	0	Exhibit 1.4-1, Line 8
11 Non-Targeted TS Exogenous Costs	0	Line 10 - Line 9

Citizens Telecommunications Companies - Group #4
Summary of Exogenous Costs Targeted to SBIs
Excluding ATS Targeting

Trans. 140
Exhibit 1.4-2
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	Quantity	<u>Source / Comments</u>
Special Access Basket		
12 Voice Grade Band	0	no targeting below basket level
13 Audio/Video Band	0	no targeting below basket level
14 HiCap & DDS Band	0	no targeting below basket level
15 Total Special Access Targeting	0	Sum of lines 12,13,14
16 Total Special Access Exogenous Costs	0	Exhibit 1.4-1, Line 12
17 Non-Targeted Special Access Exogenous Cos	0	Line 16 - Line 15

Citizens Telecommunications Companies - Group #4
Summary of Average Traffic Sensitive Rate Targeting to SBLs

Trans. 140
Exhibit 1.4-3
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	<u>Quantity</u>	<u>Source / Comments</u>
Traffic Sensitive Basket		
1 Local Switching Band	0	Exhibit 2.4-7, Line 800
2 Information	0	Exhibit 2.4-7, Line 810
3 Trunk Ports Band	0	Exhibit 2.4-7, Line 805
4 STP Ports Band	0	Exhibit 2.4-7, Line 815
5 Total Traffic Sensitive Targeting	0	Sum of lines 1..4
Trunking Basket		
6 Tandem Transport Band	0	Exhibit 2.4-7, Line 830
7 Voice Grade Band	0	Exhibit 2.4-7, Line 862
8 DS1 Sub-Band	0	Exhibit 2.4-7, Line 926
9 DS3 Sub-Band	0	Exhibit 2.4-7, Line 986
10 HiCap - Other	0	Exhibit 2.4-7, Line 1046
11 Total Trunking Targeting	0	Sum of lines 6..10

Citizens Telecommunications Companies - Group #1
CMT Exogenous Cost Change Factor

Trans. 140
Exhibit 2.1-1

	<u>Quantity</u>	<u>Source / Comments</u>
1 Total exogenous changes (delta Z)	\$0	Exhibit 1.1-1, Line 4
2 Total EUCL Lines	10,865,109	Base Period Demand
3 CMT Exogenous per line	0.000000	Line 1 / Line 2
4 CMT Revenue per Line at time t-1	9.526468	Trans. 138
5 Exogenous Cost Change Factor	1.00000000	1 + Line 3 / Line 4
6 CMT Revenue per Line at time t	9.526468	Line 4 * Line 5

Citizens Telecommunications Companies - Group #1
Price Cap Index Calculation

Trans. 140
Exhibit 2.1-2

		(A) Traffic Sensitive	(B) Trunking	(C) Inter- exchange	(D) Special Access
	Source / Comments				
1 GDP-PI	not an annual filing	0.0000%	0.0000%		0.0000%
2 Productivity factor (X)	not an annual filing	0.00%	0.00%		0.00%
3 GDP-PI - X	Line 1 - Line 2	0.0000%	0.0000%		0.0000%
4 Existing PCI [PCI(t-1)]	Trans. 138	34.1003	27.0731		61.4154
5 Exogenous Changes (delta Z)	Exhibit 1.1-1	\$0	\$0		\$0
6 Revenues (R)	Base Period Demand rated out (Revenues at Last PCI Update)	\$19,028,476	\$14,574,482		\$45,017,967
7 Delta Z / R	Line 5 / Line 6	0.0000	0.0000		0.0000
8 $W = (R + \text{Delta } Z) / R$	(Line 6 + Line 5) / Line 6	1.0000	1.0000		1.0000
9 $W * (\text{GDP-PI} - X)$	Line 8 * Line 3	0.0000	0.0000		0.0000
10 Targeted Revenue Differential		0	0		0
11 Proposed PCI (Non-Exog Only)	Line 4	34.1003	27.0731		61.4154
12 Proposed PCI	Line 4 * (1 + Line 7 + Line 10 / Line 6)	34.1003	27.0731		61.4154
13 % Change in PCI	(Line 12 / Line 4) - 1	0.0000%	0.0000%		0.0000%

Citizens Telecommunications Companies - Group #1
Calculation of g factor

Trans. 140
Exhibit 2.1-3

	<u>Quantity</u>	<u>Source / Comments</u>
1 Prior Base Period CCL MOU	2,565,607,415	Prior Base Period Demand
2 Prior Base Period Lines	881,794	Prior Base Period Demand / 12
3 Prior Base Period MOU per Line	2,910	Line 1 / Line 2
4 Base Period CCL MOU	2,586,961,133	Base Period Demand
5 Base Period Lines	905,426	Base Period Demand / 12
6 Base Period MOU per Line	2,857	Line 4 / Line 5
7 g factor	-1.7995%	(Line 6 / Line 3) - 1
8 g factor used for targeting	0.00%	zero if no CCL allowed, else Line 7

Citizens Telecommunications Companies - Group #1
Calculation of Transport Minutes for ATS Rate

Trans. 140
Exhibit 2.1-4

	<u>Quantity</u>	<u>Source / Comments</u>
1 ILEC Only TIC MOU	2,586,961,133	Base Period Demand
2 Less: MOU on detariffed facilities only	0	Base Period Demand
3 Connecting Co. Tandem MOU	27,005,884	Base Period Demand
4 Connecting Co. Direct MOU	0	Line 8 * Line 9
5 Total ILEC Transport MOU	2,613,967,017	Line 1 - Line 2 + Line 3 + Line 4
6 DS1's Direct to Conn. Co. Offices (PIU'd)	0.00	Base Period Demand in Price Caps
7 DS3's Direct to Conn. Co. Offices (PIU'd)	0.00	Base Period Demand in Price Caps
8 Conn. Co. VG Equiv. Direct Trunks	0	24 * Line 6 + 672 * Line 7
9 Assumed MOU per Direct Trunk	2,598	Trans. 42

Citizens Telecommunications Companies - Group #1

Calculation of Current ATS Rate and Aggregate Target

Trans. 140

Exhibit 2.1-5

Page 1 of 1

		(A) Total	(B) CMT	(C) Traffic Sens.	(D) Trunking
	Source / Comments				
100 Local Switching	Exhibit 3.1-3, Lines 1..5, Col. F	8,382,116		8,382,116	
105 LS Trunk Ports	Exhibit 3.1-8, LINE 6, Col. F	6,509,040		6,509,040	
110 Info Surcharge	Exhibit 3.1-4, Line 1, Col. F	0		0	
115 STP Ports	Exhibit 3.1-9, Line 2, Col. F	0		0	
130 Tandem Switched Transport	Exhibit 3.1-10, Line 8, Col. F	6,808,681			6,808,681
160 VG Switched Transport	Exhibit 3.1-11, Line 8, Col. F	33,766			33,766
220 High Cap & Other Switched Transport	Exhibit 3.1-12, Line 8, Col. F	7,732,036			7,732,036
400 Total Traffic Sensitive-Related Revenue	Sum of Lines 100..220	29,465,638		14,891,156	14,574,482
410 Switched TS Revenue	Line 400, Col. C	14,891,156			
415 Switched Transport Revenue	Line 400, Col. D	14,574,482			
420 Local Switching MOU	Exhibit 3.1-3, Lines 1..5, Col. A	2,586,961,133			
430 LEC Transport MOU	Exhibit 2.1-4, Line 5	2,613,967,017			
440 Switched TS Revenue per MOU	Line 410 / Line 420	0.005756			
450 Switched Transport Revenue per MOU	Line 415 / Line 430	0.005576			
460 ATS Revenue per MOU	Line 440 + Line 450	0.011332			
470 Original Target Avg TS MOU Rate	47 C.F.R 61.3(qq)(3)	0.009500			
475 ATS Target Met in Prior Filing	Input	No			
478 Target Avg TS MOU Rate		0.009500			
480 Amount Above Target	Line 460 - Line 478, but max 0	0.001832			

Citizens Telecommunications Companies - Group #1

Calculation of Initial Targeting Amount

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 Exhibit 2.1-6
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		(A) Total	(B) CMT	(C) Traffic Sens.	(D) Trunking
490 Maximum Revenue to Target	Line 480 * max of Ln 420or 430, subj. to LS reduction rule	4,774,331			
500 GDP-PI	not an annual filing		0.0000%	0.0000%	0.0000%
510 X	not an annual filing		0.000000	0.000000	0.000000
520 g factor	not an annual filing		0.0000%		
530 CL MOU Revenue, excl. Marketing	Base period Demand rated out		0		
540 R	Base period Demand rated out	140,748,598	107,145,640	19,028,476	14,574,482
547 Reversal of Prior Yr Pooling Jurisdictions	Exhibit H-1	6,621,143	6,621,143		
550 Initial Target Reduction	GDP-PI - X & g impacts	0	0	0	0
550 Transfer Targeting Revenue	None	0	0		
450 Actual Available Targeting Reduction	Ln 550 + Ln 550 (limited to -Ln 490)	0			
570 Revenue Remaining to Target	Line 490 + Line 450	4,774,331			
595 Percentage Reduction in LS	Initial CALLS filing only	0.00%			
600 Specified LS Revenue Reduction	Line 595 * Line 100	0			
610 Amount of Calculated LS Reduction	Min(Line 600, Line 570)	0			
620 Final Revenue Remaining to Target	Line 570 - Line 610	4,774,331			
700 Required TIC Reduction	No remaining TIC	0			
710 Required Info Surcharge Reduction	No remaining Info Surcharge	0			
715 Residual Amount	Ln 450 - Ln 610 - Ln 700 - Ln 710	0			
720 Minimum Amount for Local Switching	Ln 715 * Ln 100 / Ln 400	0			
730 Max. Availa. for Other ATS Ratemaking	Line 715 - Line 720	0			

Citizens Telecommunications Companies - Group #1

Calculation of Amount Targeted and Proposed ATS Rate

Trans. 140

Exhibit 2.1-7

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		(A) Total	(B) CMT	(C) Traffic Sens.	(D) Trunking
Actual Targeting Selected:					
800 Local Switching	selected reduction	0		0	
805 LS Trunk Ports	selected reduction	0		0	
810 Info Surcharge	selected reduction	0		0	
815 STP Ports	selected reduction	0		0	
830 Tandem Switched Transport	selected reduction	0			0
862 VG Switched Transport	selected reduction	0			0
926 DS1 Switched Transport	selected reduction	0			0
986 DS3 Switched Transport	selected reduction	0			0
1046 HiCap/Other Switched Transport	selected reduction	0			0
1100 Actual Targeting Amounts for PCIs	Sum of Lines 800..1046	0		0	0
1110 Proposed ATS Revenue	Line 1100 + Exhibit 2.1-5, Line 400	29,465,638		14,891,156	14,574,482
1120 Proposed ATS Rate	Line 1110 / Exhibit 2.1-5 Ln 420 or 430	0.011332		0.005756	0.005576
1130 ATS Cap for this Annual Filing Period	Exhibit 2.1-5, Line 470	0.009500			

Citizens Telecommunications Companies - Group #1

Calculation of EUCL Limits, PICC Rates, and CCL Rates

Trans. 140

Exhibit 2.1-8

Page 1 of 3

		(A) Total	(B) No Zone / Zone A	(C) Zone B
	Source / Comments			
EUCL Demand Inputs				
100 Primary Res, SLB, & Lifeline Lines	Base period demand	8,055,991	8,055,991	
110 NonPrimary Res & BRI ISDN Lines	Base period demand	644,685	644,685	
120 MLB, Centrex, & PRI ISDN Lines	Base period demand	2,164,433	2,164,433	
130 Total Local Exchange Lines	Sum of Lines 100..120	10,865,109	10,865,109	
PICC Demand Inputs				
200 Total MLB & PRI ISDN PICCs	Base period demand	1,244,360	1,244,360	
210 Total Bus. Centrex PICCs in groups > 9	Base period demand	376,115	376,115	
220 Total Bus. Centrex Groups < 9 lines	Base period demand	58,448	58,448	
MOU Demand Inputs				
300 Terminating Premium MOU	Base period demand	1,379,682,566		
310 Terminating Non-Premium MOU	Base period demand	0		
320 Terminating Chargeable MOU	Line 300 + 0.45 * Line 310	1,379,682,566		
330 Originating Premium MOU	Base period demand	1,207,278,567		
340 Originating Non-Premium MOU	Base period demand	0		
350 Originating Chargeable MOU	Line 330 + 0.45 * Line 340	1,207,278,567		
SLC/PICC Caps				
400 Primary Res/SLB EUCL Cap	47 C.F.R. 69.152	6.50		
410 NonPrimary Res/BRI EUCL Cap	47 C.F.R. 69.152	7.00		
420 MLB, PRI, & Centrex EUCL Cap	47 C.F.R. 69.152	9.20		
430 PICC Cap	47 C.F.R. 69.152	4.31		

Citizens Telecommunications Companies - Group #1

Calculation of EUCL Limits, PICC Rates, and CCL Rates

Trans. 140

Exhibit 2.1-8

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		(A) Total	(B) No Zone / Zone A	(C) Zone B
	Source / Comments			
440	Current Max CMT Revenue Per Line	Trans. 138	9.53	
450	Total CMT Exog Factor	Exhibit 2.1-1, Line 5	1.000000	
460	Proposed Max CMT Revenue per Line	Line 440 * Line 450	9.53	
6/30/2000 Rates (Common Line + Marketing)				
470	NonPrimary Res/BRI EUCL Cap	Tariffed Rate as of 6/30/00	6.07	
480	MLB, PRI, & Centrex EUCL Cap	Tariffed Rate as of 6/30/00	9.20	
CALLS Maximum Allowable EUCL Rates				
500	Primary Res/SLB EUCL Cap	Min of Line 400, Line 460	6.50	
510	NonPrimary Res/BRI EUCL Cap	Min of Ln 410, (Max of Ln 460,470)	7.00	
520	MLB, PRI, & Centrex EUCL Cap	Min of Ln 420, (Max of Ln 460,480)	9.20	
CMT Rev vs. EUCL Rev at Max Allowable Rates				
600	Proposed Maximum CMT Revenue	Line 130 * Line 460	103,506,116	
610	Max Allowable PR, Lifeline, SLB Revenue	Line 100 * Line 500	52,363,942	
620	Max Allowable NonPrim Res, BRI Rev.	Line 110 * Line 510	4,512,795	
630	Max Allowable MLB, PRI, Ctx Revenue	Line 120 * Line 520	19,912,784	
640	Total Max Allowable EUCL Revenue	Sum of Lines 610..630	76,789,520	
650	Remaining CMT Revenue (Over-recovery)	Line 600 - Line 640	26,716,596	
652	Maximum Allowable PICC Revenue	Ln 430 * (Ln 200 + Ln 210 / 9 + Ln 220)	5,795,218	
660	Total USAC Receipts (at t)	Exhibit 3.1-2, Line 35	23,800,357	
665	Mandated CCL Revenue Reduction	none	0	
670	Voluntary Reduction	LEC choice	0	
680	Remaining Revenue (Over-Recovery)	Ln 650 - Ln 660 - Ln 665 - Ln 670	2,916,239	
685	Proposed Maximum CMT Revenue per Line	Ln 460 * (1 - (665 / Ln 130) / Ln 460)	9.53	

Citizens Telecommunications Companies - Group #1

Calculation of EUCL Limits, PICC Rates, and CCL Rates

Trans. 140

Exhibit 2.1-8

Page 3 of 3

		(A) Total	(B) No Zone / Zone A	(C) Zone B
Source / Comments				
Calculation of PICC for MLB, PRI ISDN, & Centrex				
800 MLB PICC Cap	Line 430	4.31		
810 MLB PICC Revenue Target	Max of zero, Line 680	2,916,239		
820 MLB PICC Target Rate	Line 810 / (Ln 200 + Ln 210 / 9 + Ln 220)	2.168855		
830 Maximum Average MLB PICC rate	Min of Line 800, Line 820	2.168855		
840 Maximum MLB PICC Revenue	Line 830 * Ln 200	2,698,837		
850 Maximum Centrex PICC Revenue	Line 830 * (Ln 210 / 9 + Ln 220)	217,402		
860 Total Maximum PICC Revenue	Line 840 + Line 850	2,916,239		
Calculation of CCL Rates and Revenue				
900 Local Switching Rate (Dec. 31, 1997)	records	0.01276734		
910 CCL Originating Rate (Dec. 31, 1997)	records	0.01000000		
920 Interconnection Rate (Dec. 31, 1997)	records	0.00582537		
930 Proposed Local Switching Rate	Exhibit 3.1-3, Line 2, Col. D	0.00324014		
940 Maximum Rate per Originating MOU	Sum of Lns 900..920 - Line 930	0.02535257		
950 Maximum CCL Revenue	Line 810 - Line 860	0		
960 Maximum CCL Orig Rate	Min of Line 940, Ln 950 / Ln 350	0.00000000		
970 Maximum CCL Term Rate	(Ln 950 - Ln 960 * Ln 350) / Ln 320	0.00000000		
980 Maximum Orig CCL Revenue	Line 960 * Line 350	0		
990 Maximum Term CCL Revenue	Line 970 * Line 320	0		
995 Total Max CCL Revenue	Line 980 + Line 990	0		
1100 Deaveraging Possible?	if Ln 680 > 0 No, else Yes	No		
1110 Pooling Revenue?	input	Yes		
1120 Will LEC Deaverage EUCL this filing?	LEC choice, if possible	No		
1130 TRP Form with Final EUCL Rates		CAP1		

Citizens Telecommunications Companies - Group #1

Manual Input of EUCL Rates to Avoid Over Recovery

Trans. 140

Exhibit 2.1-9

Page 1 of 1

	Source / Comments	Amount
Calculation of Maximum Recoverable Revenue		
100 Maximum CMT Revenues	Exhibit 2.1-8, Line 600	N/A
110 Total USAC Receipts	Exhibit 2.1-8, Line 660	N/A
120 Mandated & Voluntary Reductions	Exhibit 2.1-8, Lines 665 and 670	N/A
130 Maximum Recoverable Revenues	Line 100 - Line 110 - Line 120	N/A
CALLS Maximum Allowable EUCL Rates		
200 Primary Res/SLB EUCL Cap	Exhibit 2.1-8, Line 500	N/A
210 NonPrimary Res/BRI EUCL Cap	Exhibit 2.1-8, Line 510	N/A
220 MLB, PRI, & Centrex EUCL Cap	Exhibit 2.1-8, Line 520	N/A
Final EUCL Rates		
400 Primary Res/SLB EUCL Rate	input	6.50
410 NonPrimary Res/BRI EUCL Rate	input	7.00
420 MLB, PRI, & Centrex EUCL Rate	input	9.20
Final EUCL Revenue		
500 Primary Res/SLB EUCL Revenue	Line 400 * Exhibit 2.1-8, Line 100	N/A
510 NonPrimary Res/BRI EUCL Revenue	Line 410 * Exhibit 2.1-8, Line 110	N/A
520 MLB, PRI, & Centrex EUCL Revenue	Line 420 * Exhibit 2.1-8, Line 120	N/A
530 Total EUCL Revenue	Sum of Lines 500..520	N/A
600 Under (Over) Recovery	Line 530 - Line 130	N/A

Citizens Telecommunications Companies - Group #1

Allocation of Pooled Revenues

Trans. 140
Exhibit 2.1-10
Page 1 of 1

	Source / Comments	Amount
100 Pooling Amount	Exhibit 2.1-11, Line 3	6,621,143
105 TRP Form with Final EUCL Rates	Exhibit 2.1-8, Line 1130	CAP1
MLB Pooled Rates		
110 MLB, PRI, & Centrex EUCL Cap	Exhibit 2.1-8, Line 420	9.20
120 MLB, PRI, & Centrex EUCL Rate	Exhibit 2.1-8, Line 520	9.20
130 MLB, PRI, & Centrex Revenue below Cap	(Line 110 - Line 120) * MLB Lines	0
140 Pooling Revenue from MBL EUCLs	Min of Line 130, Line 100	0
150 Maximum Allowable MLB EUCL Rate	Ln 120 + Ln 140 / Exhibit 2.1-8, Line 120	9.20
155 Max Allowed MLB EUCL Revenues	Line 150 * Exhibit 2.1-8, Line 120	19,912,784
160 Remaining Pooled Revenue	Line 100 - Line 140	6,621,143
170 MLB PICC Cap	Exhibit 2.1-8, Line 430	4.31
180 Max Avg MLB, PRI, & Ctx PICC Rate	Exhibit 2.1-8, Line 830	2.17
190 MLB PICC Revenue Below Cap	(Ln 170 - Ln 180) * base year demand	2,878,979
200 Pooling Revenue from MLB PICC Rate	Min of Ln 160, Ln 190	2,878,979
210 Maximum Allowed MLB PICC Rate	Ln 180 + Ln 200 / base year demand	4.31
220 Max Allowed MLB PICC Revenue	Line 210 * base year demand	5,795,218
400 Unrecoverable Pool Revenues	Line 160 - Line 200	3,742,164

Citizens Telecommunications Companies - Group #1
Source of Pooled Revenues

Trans. 140
Exhibit 2.1-11
Page 1 of 1

	Source / Comments	Amount
1 Revenue to Pool from this Tariff Unit	Exhibit H-1	6,621,143
2 Shortfall Received from other Tariff Units	Exhibit H-1	0
3 Pool Revenue to Recover in this Tariff Unit	Line 1 + Line 2	6,621,143

Citizens Telecommunications Companies - Group #2Trans. 140
Exhibit 2.2-1

	<u>Quantity</u>	<u>Source / Comments</u>
1 Total exogenous changes (delta Z)	\$0	Exhibit 1.2-1, Line 4
2 Total EUCL Lines	1,889,550	Base Period Demand
3 CMT Exogenous per line	0.000000	Line 1 / Line 2
4 CMT Revenue per Line at time t-1	14.113952	Trans. 138
5 Exogenous Cost Change Factor	1.00000000	1 + Line 3 / Line 4
6 CMT Revenue per Line at time t	14.113952	Line 4 * Line 5

Citizens Telecommunications Companies - Group #2

Price Cap Index Calculation
Traffic Sensitive Price Cap Basket

Trans. 140
Exhibit 2.2-2

		(A) Traffic Sensitive	(B) Trunking	(C) Inter- exchange	(D) Special Access
	Source / Comments				
1 GDP-PI	not an annual filing	0.0000%	0.0000%		0.0000%
2 Productivity factor (X)	not an annual filing	0.00%	0.00%		0.00%
3 GDP-PI - X	Line 1 - Line 2	0.0000%	0.0000%		0.0000%
4 Existing PCI [PCI(t-1)]	Trans. 138	15.9354	16.8022		48.6597
5 Exogenous Changes (delta Z)	Exhibit 1.2-1	\$0	\$0		\$0
6 Revenues (R)	Base Period Demand rated out (Revenues at Last PCI Update)	\$3,514,195	\$2,225,105		\$6,971,387
7 Delta Z / R	Line 5 / Line 6	0.0000	0.0000		0.0000
8 $W = (R + \text{Delta Z}) / R$	(Line 6 + Line 5) / Line 6	1.0000	1.0000		1.0000
9 $W * (\text{GDP-PI} - X)$	Line 8 * Line 3	0.0000	0.0000		0.0000
10 Targeted Revenue Differential		0	0		0
11 Proposed PCI (Non-Exog Only)	Line 4	15.9354	16.8022		48.6597
12 Proposed PCI	Line 4 * (1 + Line 7 + Line 10 / Line 6)	15.9354	16.8022		48.6597
13 % Change in PCI	(Line 12 / Line 4) - 1	0.0000%	0.0000%		0.0000%

Citizens Telecommunications Companies - Group #2
Calculation of g factor

Trans. 140
Exhibit 2.2-3

	<u>Quantity</u>	<u>Source / Comments</u>
1 Prior Base Period CCL MOU	472,646,399	Prior Base Period Demand
2 Prior Base Period Lines	142,834	Prior Base Period Demand / 12
3 Prior Base Period MOU per Line	3,309	Line 1 / Line 2
4 Base Period CCL MOU	496,971,956	Base Period Demand
5 Base Period Lines	157,463	Base Period Demand / 12
6 Base Period MOU per Line	3,156	Line 4 / Line 5
7 g factor	-4.6217%	(Line 6 / Line 3) - 1
8 g factor used for targeting	-4.62%	zero if no CCL allowed, else Line 7

Citizens Telecommunications Companies - Group #2

Calculation of Transport Minutes for ATS Rate

Trans. 140

Exhibit 2.2-4

	<u>Quantity</u>	<u>Source / Comments</u>
1 ILEC Only TIC MOU	496,971,956	Base Period Demand
2 Less: MOU on detariffed facilities only	0	Base Period Demand
3 Connecting Co. Tandem MOU	0	Base Period Demand
4 Connecting Co. Direct MOU	0	Line 8 * Line 9
5 Total ILEC Transport MOU	496,971,956	Line 1 - Line 2 + Line 3 + Line 4
6 DS1's Direct to Conn. Co. Offices (PIU'd)	0.00	Base Period Demand in Price Caps
7 DS3's Direct to Conn. Co. Offices (PIU'd)	0.00	Base Period Demand in Price Caps
8 Conn. Co. VG Equiv. Direct Trunks	0	24 * Line 6 + 672 * Line 7
9 Assumed MOU per Direct Trunk	1,436	Trans. 42

Citizens Telecommunications Companies - Group #2

Calculation of Current ATS Rate and Aggregate Target

Trans. 140

Exhibit 2.2-5

Page 1 of 1

		(A) Total	(B) CMT	(C) Traffic Sens.	(D) Trunking
	Source / Comments				
100 Local Switching	Exhibit 3.2-3, Lines 1..5, Col. F	2,031,363		2,031,363	
105 LS Trunk Ports	Exhibit 3.2-8, Line 6, Col. F	828,997		828,997	
110 Info Surcharge	Exhibit 3.2-4, Line 1, Col. F	0		0	
115 STP Ports	Exhibit 3.2-9, Line 2, Col. F	0		0	
130 Tandem Switched Transport	Exhibit 3.2-10, Line 8, Col. F	909,275			909,275
160 VG Switched Transport	Exhibit 3.2-11, Line 7, Col. F	71,470			71,470
220 High Cap & Other Switched Transport	Exhibit 3.2-12, Line 6, Col. F	1,244,360			1,244,360
400 Total Traffic Sensitive-Related Revenue	Sum of Lines 100..220	5,085,465		2,860,360	2,225,105
410 Switched TS Revenue	Line 400, Col. C	2,860,360			
415 Switched Transport Revenue	Line 400, Col. D	2,225,105			
420 Local Switching MOU	Exhibit 3.2-3, Lines 1..5, Col. A	496,971,956			
430 LEC Transport MOU	Exhibit 2.2-4, Line 5	496,971,956			
440 Switched TS Revenue per MOU	Line 410 / Line 420	0.005756			
450 Switched Transport Revenue per MOU	Line 415 / Line 430	0.004477			
460 ATS Revenue per MOU	Line 440 + Line 450	0.010233			
470 Original Target Avg TS MOU Rate	47 C.F.R 61.3(qq)(3)	0.009500			
475 ATS Target Met in Prior Filing	Input	No			
478 Target Avg TS MOU Rate		0.009500			
480 Amount Above Target	Line 460 - Line 478, but max 0	0.000733			

Citizens Telecommunications Companies - Group #2

Calculation of Initial Targeting Amount

 Trans. 140
 Exhibit 2.2-6
 Page 1 of 1

		(A) Total	(B) CMT	(C) Traffic Sens.	(D) Trunking
490 Maximum Revenue to Target	Line 480 * max of Ln 420 or 430, subj. to LS reduction rule	364,231			
500 GDP-PI	not an annual filing		0.0000%	0.0000%	0.0000%
510 X	not an annual filing		0.000000	0.000000	0.000000
520 g factor	not an annual filing		0.0000%		
530 CL MOU Revenue, excl. Marketing	Base period Demand rated out		832,136		
540 R	Base period Demand rated out	32,429,283	26,689,983	3,514,195	2,225,105
547 Reversal of Prior Yr Pooling Jurisdictions	Exhibit H-1	458,501	458,501		
550 Initial Target Reduction	GDP-PI - X & g impacts	0	0	0	0
550 Transfer Targeting Revenue	None	0	0		
450 Actual Available Targeting Reduction	Ln 550 + Ln 550 (limited to -Ln 490)	0			
570 Revenue Remaining to Target	Line 490 + Line 450	364,231			
595 Percentage Reduction in LS	Initial CALLS filing only	0.00%			
600 Specified LS Revenue Reduction	Line 595 * Line 100	0			
610 Amount of Calculated LS Reduction	Min(Line 600, Line 570)	0			
620 Final Revenue Remaining to Target	Line 570 - Line 610	364,231			
700 Required TIC Reduction	No remaining TIC	0			
710 Required Info Surcharge Reduction	No remaining Info Surcharge	0			
715 Residual Amount	Ln 450 - Ln 610 - Ln 700 - Ln 710	0			
720 Minimum Amount for Local Switching	Ln 715 * Ln 100 / Ln 400	0			
730 Max. Availa. for Other ATS Ratemaking	Line 715 - Line 720	0			

Citizens Telecommunications Companies - Group #2

Calculation of Amount Targeted and Proposed ATS Rate

Trans. 140

Exhibit 2.2-7

Page 1 of 1

		(A) Total	(B) CMT	(C) Traffic Sens.	(D) Trunking
<hr/>					
Actual Targeting Selected:					
800 Local Switching	selected reduction	0		0	
805 LS Trunk Ports	selected reduction	0		0	
810 Info Surcharge	selected reduction	0		0	
815 STP Ports	selected reduction	0		0	
830 Tandem Switched Transport	selected reduction	0			0
862 VG Switched Transport	selected reduction	0			0
926 DS1 Switched Transport	selected reduction	0			0
986 DS3 Switched Transport	selected reduction	0			0
1046 HiCap/Other Switched Transport	selected reduction	0			0
1100 Actual Targeting Amounts for PCIs	Sum of Lines 800..1046	0		0	0
1110 Proposed ATS Revenue	Line 1100 + Exhibit 2.2-5, Line 400	5,085,465		2,860,360	2,225,105
1120 Proposed ATS Rate	Line 1110 / Exhibit 2.2-5 Ln 420 or 430	0.010233		0.005756	0.004477
1130 ATS Cap for this Annual Filing Period	Exhibit 2.2-5, Line 470	0.009500			

Citizens Telecommunications Companies - Group #2

Calculation of EUCL Limits, PICC Rates, and CCL Rates

Trans. 140

Exhibit 2.2-8

Page 1 of 3

		(A) Total	(B) No Zone / Zone A	(C) Zone B
	Source / Comments			
EUCL Demand Inputs				
100 Primary Res, SLB, & Lifeline Lines	Base period demand	1,371,365	1,371,365	
110 NonPrimary Res & BRI ISDN Lines	Base period demand	89,671	89,671	
120 MLB, Centrex, & PRI ISDN Lines	Base period demand	428,514	428,514	
130 Total Local Exchange Lines	Sum of Lines 100..120	1,889,550	1,889,550	
PICC Demand Inputs				
200 Total MLB & PRI ISDN PICCs	Base period demand	256,732	256,732	
210 Total Bus. Centrex PICCs in groups > 9	Base period demand	81,907	81,907	
220 Total Bus. Centrex Groups < 9 lines	Base period demand	8,907	8,907	
MOU Demand Inputs				
300 Terminating Premium MOU	Base period demand	243,759,834		
310 Terminating Non-Premium MOU	Base period demand	0		
320 Terminating Chargeable MOU	Line 300 + 0.45 * Line 310	243,759,834		
330 Originating Premium MOU	Base period demand	253,212,122		
340 Originating Non-Premium MOU	Base period demand	0		
350 Originating Chargeable MOU	Line 330 + 0.45 * Line 340	253,212,122		
SLC/PICC Caps				
400 Primary Res/SLB EUCL Cap	47 C.F.R. 69.152	6.50		
410 NonPrimary Res/BRI EUCL Cap	47 C.F.R. 69.152	7.00		
420 MLB, PRI, & Centrex EUCL Cap	47 C.F.R. 69.152	9.20		
430 PICC Cap	47 C.F.R. 69.152	4.31		

Citizens Telecommunications Companies - Group #2

Calculation of EUCL Limits, PICC Rates, and CCL Rates

Trans. 140

Exhibit 2.2-8

Page 2 of 3

		(A) Total	(B) No Zone / Zone A	(C) Zone B
	Source / Comments			
440	Current Max CMT Revenue Per Line	Trans. 138	14.11	
450	Total CMT Exog Factor	Exhibit 2.2-1, Line 5	1.000000	
460	Proposed Max CMT Revenue per Line	Line 440 * Line 450	14.11	
6/30/2000 Rates (Common Line + Marketing)				
470	NonPrimary Res/BRI EUCL Cap	Tariffed Rate as of 6/30/00	6.07	
480	MLB, PRI, & Centrex EUCL Cap	Tariffed Rate as of 6/30/00	9.20	
CALLS Maximum Allowable EUCL Rates				
500	Primary Res/SLB EUCL Cap	Min of Line 400, Line 460	6.50	
510	NonPrimary Res/BRI EUCL Cap	Min of Ln 410, (Max of Ln 460,470)	7.00	
520	MLB, PRI, & Centrex EUCL Cap	Min of Ln 420, (Max of Ln 460,480)	9.20	
CMT Rev vs. EUCL Rev at Max Allowable Rates				
600	Proposed Maximum CMT Revenue	Line 130 * Line 460	26,669,017	
610	Max Allowable PR, Lifeline, SLB Revenue	Line 100 * Line 500	8,913,873	
620	Max Allowable NonPrim Res, BRI Rev.	Line 110 * Line 510	627,697	
630	Max Allowable MLB, PRI, Ctx Revenue	Line 120 * Line 520	3,942,329	
640	Total Max Allowable EUCL Revenue	Sum of Lines 610..630	13,483,898	
650	Remaining CMT Revenue (Over-recovery)	Line 600 - Line 640	13,185,119	
652	Maximum Allowable PICC Revenue	Ln 430 * (Ln 200 + Ln 210 / 9 + Ln 220)	1,184,130	
660	Total USAC Receipts (at t)	Exhibit 3.2-2, Line 23	11,040,071	
665	Mandated CCL Revenue Reduction	none	0	
670	Voluntary Reduction	LEC choice	0	
680	Remaining Revenue (Over-Recovery)	Ln 650 - Ln 660 - Ln 665 - Ln 670	2,145,048	
685	Proposed Maximum CMT Revenue per Line	Ln 460 * (1 - (665 / Ln 130) / Ln 460)	14.11	

Citizens Telecommunications Companies - Group #2

Calculation of EUCL Limits, PICC Rates, and CCL Rates

Trans. 140

Exhibit 2.2-8

Page 3 of 3

		(A) Total	(B) No Zone / Zone A	(C) Zone B
Source / Comments				
Calculation of PICC for MLB, PRI ISDN, & Centrex				
800 MLB PICC Cap	Line 430	4.31		
810 MLB PICC Revenue Target	Max of zero, Line 680	2,145,048		
820 MLB PICC Target Rate	Line 810 / (Ln 200 + Ln 210 / 9 + Ln 220)	7.807554		
830 Maximum Average MLB PICC rate	Min of Line 800, Line 820	4.310000		
840 Maximum MLB PICC Revenue	Line 830 * Ln 200	1,106,515		
850 Maximum Centrex PICC Revenue	Line 830 * (Ln 210 / 9 + Ln 220)	77,615		
860 Total Maximum PICC Revenue	Line 840 + Line 850	1,184,130		
Calculation of CCL Rates and Revenue				
900 Local Switching Rate (Dec. 31, 1997)	records	0.01276734		
910 CCL Originating Rate (Dec. 31, 1997)	records	0.01000000		
920 Interconnection Rate (Dec. 31, 1997)	records	0.00582537		
930 Proposed Local Switching Rate	Exhibit 3.2-3, Line 2, Col. D	0.00408748		
940 Maximum Rate per Originating MOU	Sum of Lns 900..920 - Line 930	0.02450523		
950 Maximum CCL Revenue	Line 810 - Line 860	960,918		
960 Maximum CCL Orig Rate	Min of Line 940, Ln 950 / Ln 350	0.00379492		
970 Maximum CCL Term Rate	(Ln 950 - Ln 960 * Ln 350) / Ln 320	0.00000000		
980 Maximum Orig CCL Revenue	Line 960 * Line 350	960,918		
990 Maximum Term CCL Revenue	Line 970 * Line 320	0		
995 Total Max CCL Revenue	Line 980 + Line 990	960,918		
1100 Deaveraging Possible?	if Ln 680 > 0 No, else Yes	No		
1110 Pooling Revenue?	input	Yes		
1120 Will LEC Deaverage EUCL this filing?	LEC choice, if possible	No		
1130 TRP Form with Final EUCL Rates		CAP1		

Citizens Telecommunications Companies - Group #2

Manual Input of EUCL Rates to Avoid Over Recovery

Trans. 140

Exhibit 2.2-9

Page 1 of 1

	Source / Comments	Amount
Calculation of Maximum Recoverable Revenue		
100 Maximum CMT Revenues	Exhibit 2.2-8, Line 600	N/A
110 Total USAC Receipts	Exhibit 2.2-8, Line 660	N/A
120 Mandated & Voluntary Reductions	Exhibit 2.2-8, Lines 665 and 670	N/A
130 Maximum Recoverable Revenues	Line 100 - Line 110 - Line 120	N/A
CALLS Maximum Allowable EUCL Rates		
200 Primary Res/SLB EUCL Cap	Exhibit 2.2-8, Line 500	N/A
210 NonPrimary Res/BRI EUCL Cap	Exhibit 2.2-8, Line 510	N/A
220 MLB, PRI, & Centrex EUCL Cap	Exhibit 2.2-8, Line 520	N/A
Final EUCL Rates		
400 Primary Res/SLB EUCL Rate	input	6.50
410 NonPrimary Res/BRI EUCL Rate	input	7.00
420 MLB, PRI, & Centrex EUCL Rate	input	9.20
Final EUCL Revenue		
500 Primary Res/SLB EUCL Revenue	Line 400 * Exhibit 2.2-8, Line 100	N/A
510 NonPrimary Res/BRI EUCL Revenue	Line 410 * Exhibit 2.2-8, Line 110	N/A
520 MLB, PRI, & Centrex EUCL Revenue	Line 420 * Exhibit 2.2-8, Line 120	N/A
530 Total EUCL Revenue	Sum of Lines 500..520	N/A
600 Under (Over) Recovery	Line 530 - Line 130	N/A

Citizens Telecommunications Companies - Group #2

Allocation of Pooled Revenues

Trans. 140
 Exhibit 2.2-10
 Page 1 of 1

	Source / Comments	Amount
100 Pooling Amount	Exhibit 2.2-11, Line 3	2,160,676
105 TRP Form with Final EUCL Rates	Exhibit 2.2-8, Line 1130	CAP1
MLB Pooled Rates		
110 MLB, PRI, & Centrex EUCL Cap	Exhibit 2.2-8, Line 420	9.20
120 MLB, PRI, & Centrex EUCL Rate	Exhibit 2.2-8, Line 520	9.20
130 MLB, PRI, & Centrex Revenue below Cap	(Line 110 - Line 120) * MLB Lines	0
140 Pooling Revenue from MBL EUCLs	Min of Line 130, Line 100	0
150 Maximum Allowable MLB EUCL Rate	Ln 120 + Ln 140 / Exhibit 2.2-8, Line 120	9.20
155 Max Allowed MLB EUCL Revenues	Line 150 * Exhibit 2.2-8, Line 120	3,942,329
160 Remaining Pooled Revenue	Line 100 - Line 140	2,160,676
170 MLB PICC Cap	Exhibit 2.2-8, Line 430	4.31
180 Max Avg MLB, PRI, & Ctx PICC Rate	Exhibit 2.2-8, Line 830	4.31
190 MLB PICC Revenue Below Cap	(Ln 170 - Ln 180) * base year demand	0
200 Pooling Revenue from MLB PICC Rate	Min of Ln 160, Ln 190	0
210 Maximum Allowed MLB PICC Rate	Ln 180 + Ln 200 / base year demand	4.31
220 Max Allowed MLB PICC Revenue	Line 210 * base year demand	1,184,130
400 Unrecoverable Pool Revenues	Line 160 - Line 200	2,160,676

Citizens Telecommunications Companies - Group #2
Source of Pooled Revenues

Trans. 140
Exhibit 2.2-11
Page 1 of 1

	Source / Comments	Amount
1 Revenue to Pool from this Tariff Unit	Exhibit H-1	2,160,676
2 Shortfall Received from other Tariff Units	Exhibit H-1	0
3 Pool Revenue to Recover in this Tariff Unit	Line 1 + Line 2	2,160,676

Citizens Telecommunications Companies - Group #3
CMT Exogenous Cost Change Factor

Trans. 140
Exhibit 2.3-1

	<u>Quantity</u>	<u>Source / Comments</u>
1 Total exogenous changes (delta Z)	\$0	Exhibit 1.3-1, Line 4
2 Total EUCL Lines	276,256	Base Period Demand
3 CMT Exogenous per line	0.000000	Line 1 / Line 2
4 CMT Revenue per Line at time t-1	4.415752	Trans. 138
5 Exogenous Cost Change Factor	1.00000000	1 + Line 3 / Line 4
6 CMT Revenue per Line at time t	4.415752	Line 4 * Line 5

Citizens Telecommunications Companies - Group #3
Price Cap Index Calculation

Trans. 140
Exhibit 2.3-2

		(A) Traffic Sensitive	(B) Trunking	(C) Inter- exchange	(D) Special Access
	Source / Comments				
1 GDP-PI	not an annual filing	0.0000%	0.0000%		0.0000%
2 Productivity factor (X)	not an annual filing	0.00%	0.00%		0.00%
3 GDP-PI - X	Line 1 - Line 2	0.0000%	0.0000%		0.0000%
4 Existing PCI [PCI(t-1)]	Trans. 138	40.7959	24.6757		81.1436
5 Exogenous Changes (delta Z)	Exhibit 1.3-1	\$0	\$0		\$0
6 Revenues (R)	Base Period Demand rated out (Revenues at Last PCI Update)	\$339,143	\$45,813		\$283,126
7 Delta Z / R	Line 5 / Line 6	0.0000	0.0000		0.0000
8 $W = (R + \text{Delta } Z) / R$	(Line 6 + Line 5) / Line 6	1.0000	1.0000		1.0000
9 $W * (\text{GDP-PI} - X)$	Line 8 * Line 3	0.0000	0.0000		0.0000
10 Targeted Revenue Differential		0	0		0
11 Proposed PCI (Non-Exog Only)	Line 4	40.7959	24.6757		81.1436
12 Proposed PCI	Line 4 * (1 + Line 7 + Line 10 / Line 6)	40.7959	24.6757		81.1436
13 % Change in PCI	(Line 12 / Line 4) - 1	0.0000%	0.0000%		0.0000%

Citizens Telecommunications Companies - Group #3
Calculation of g factor

Trans. 140
Exhibit 2.3-3

	<u>Quantity</u>	<u>Source / Comments</u>
1 Prior Base Period CCL MOU	46,798,131	Prior Base Period Demand
2 Prior Base Period Lines	23,134	Prior Base Period Demand / 12
3 Prior Base Period MOU per Line	2,023	Line 1 / Line 2
4 Base Period CCL MOU	40,521,644	Base Period Demand
5 Base Period Lines	23,021	Base Period Demand / 12
6 Base Period MOU per Line	1,760	Line 4 / Line 5
7 g factor	-12.9896%	(Line 6 / Line 3) - 1
8 g factor used for targeting	0.00%	zero if no CCL allowed, else Line 7

Citizens Telecommunications Companies - Group #3

Calculation of Transport Minutes for ATS Rate

Trans. 140

Exhibit 2.3-4

	<u>Quantity</u>	<u>Source / Comments</u>
1 ILEC Only TIC MOU	40,521,644	Base Period Demand
2 Less: MOU on detariffed facilities only	0	Base Period Demand
3 Connecting Co. Tandem MOU	0	Base Period Demand
4 Connecting Co. Direct MOU	0	Line 8 * Line 9
5 Total ILEC Transport MOU	40,521,644	Line 1 - Line 2 + Line 3 + Line 4
6 DS1's Direct to Conn. Co. Offices (PIU'd)	0.00	Base Period Demand in Price Caps
7 DS3's Direct to Conn. Co. Offices (PIU'd)	0.00	Base Period Demand in Price Caps
8 Conn. Co. VG Equiv. Direct Trunks	0	24 * Line 6 + 672 * Line 7
9 Assumed MOU per Direct Trunk	6,919	records

Citizens Telecommunications Companies - Group #3

Calculation of Current ATS Rate and Aggregate Target

Trans. 140

Exhibit 2.3-5

Page 1 of 1

		(A) Total	(B) CMT	(C) Traffic Sens.	(D) Trunking
	Source / Comments				
100 Local Switching	Exhibit 3.3-3, Lines 1..4, Col. F	287,497		287,497	
105 LS Trunk Ports	Exhibit 3.3-8, Line 6, Col. F	51,646		51,646	
110 Info Surcharge	Exhibit 3.3-4, Line 1, Col. F	0		0	
115 STP Ports	Exhibit 3.3-9, Line 2, Col. F	0		0	
130 Tandem Switched Transport	Exhibit 3.3-10, Line 8, Col. F	45,813			45,813
160 VG Switched Transport	Exhibit 3.3-11, Line 8, Col. F	0			0
220 High Cap & Other Switched Transport	Exhibit 3.3-12, Line 6, Col. F	0			0
400 Total Traffic Sensitive-Related Revenue	Sum of Lines 100..220	384,955		339,143	45,813
410 Switched TS Revenue	Line 400, Col. C	339,143			
415 Switched Transport Revenue	Line 400, Col. D	45,813			
420 Local Switching MOU	Exhibit 3.3-3, Lines 1..4, Col. A	40,521,644			
430 LEC Transport MOU	Exhibit 2.3-4, Line 5	40,521,644			
440 Switched TS Revenue per MOU	Line 410 / Line 420	0.008369			
450 Switched Transport Revenue per MOU	Line 415 / Line 430	0.001131			
460 ATS Revenue per MOU	Line 440 + Line 450	0.009500			
470 Original Target Avg TS MOU Rate	47 C.F.R 61.3(qq)(3)	0.009500			
475 ATS Target Met in Prior Filing	Input	Yes			
478 Target Avg TS MOU Rate		0.009500			
480 Amount Above Target	Line 460 - Line 478, but max 0	0.000000			

Citizens Telecommunications Companies - Group #3

Calculation of Initial Targeting Amount

Trans. 140

Exhibit 2.3-6

Page 1 of 1

	(A) Total	(B) CMT	(C) Traffic Sens.	(D) Trunking
Source / Comments				
490 Maximum Revenue to Target	Line 480 * max of Ln 420or 430, subj. to LS reduction rule	0		
500 GDP-PI	not an annual filing	0.0000%	0.0000%	0.0000%
510 X	not an annual filing	0.000000	0.000000	0.000000
520 g factor	not an annual filing	0.0000%		
530 CL MOU Revenue, excl. Marketing	Base period Demand rated out	0		
540 R	Base period Demand rated out	1,938,496	1,553,541	339,143
547 Reversal of Prior Yr Pooling Jurisdictions	Exhibit H-1	202,591	202,591	
550 Initial Target Reduction	GDP-PI - X & g impacts	(0)	(0)	0
550 Transfer Targeting Revenue	None	0	0	0
450 Actual Available Targeting Reduction	Ln 550 + Ln 550 (limited to -Ln 490)	0		
570 Revenue Remaining to Target	Line 490 + Line 450	0		
595 Percentage Reduction in LS	Initial CALLS filing only	0.00%		
600 Specified LS Revenue Reduction	Line 595 * Line 100	0		
610 Amount of Calculated LS Reduction	Min(Line 600, Line 570)	0		
620 Final Revenue Remaining to Target	Line 570 - Line 610	0		
700 Required TIC Reduction	No remaining TIC	0		
710 Required Info Surcharge Reduction	No remaining Info Surcharge	0		
715 Residual Amount	Ln 450 - Ln 610 - Ln 700 - Ln 710	0		
720 Minimum Amount for Local Switching	Ln 715 * Ln 100 / Ln 400	0		
730 Max. Availa. for Other ATS Ratemaking	Line 715 - Line 720	0		

Citizens Telecommunications Companies - Group #3

Calculation of Amount Targeted and Proposed ATS Rate

Trans. 140

Exhibit 2.3-7

Page 1 of 1

		(A) Total	(B) CMT	(C) Traffic Sens.	(D) Trunking
<hr/>					
Actual Targeting Selected:					
800 Local Switching	selected reduction	0		0	
805 LS Trunk Ports	selected reduction	0		0	
810 Info Surcharge	selected reduction	0		0	
815 STP Ports	selected reduction	0		0	
830 Tandem Switched Transport	selected reduction	0			0
862 VG Switched Transport	selected reduction	0			0
926 DS1 Switched Transport	selected reduction	0			0
986 DS3 Switched Transport	selected reduction	0			0
1046 HiCap/Other Switched Transport	selected reduction	0			0
1100 Actual Targeting Amounts for PCIs	Sum of Lines 800..1046	0		0	0
1110 Proposed ATS Revenue	Line 1100 + Exhibit 2.3-5, Line 400	384,955		339,143	45,813
1120 Proposed ATS Rate	Line 1110 / Exhibit 2.3-5 Ln 420 or 430	0.009500		0.008369	0.001131
1130 ATS Cap for this Annual Filing Period	Exhibit 2.3-5, Line 460	0.009500			

Citizens Telecommunications Companies - Group #3

Calculation of EUCL Limits, PICC Rates, and CCL Rates

Trans. 140

Exhibit 2.3-8

Page 1 of 3

		(A) Total	(B) No Zone / Zone A	(C) Zone B
	Source / Comments			
EUCL Demand Inputs				
100 Primary Res, SLB, & Lifeline Lines	Base period demand	227,883	227,883	
110 NonPrimary Res & BRI ISDN Lines	Base period demand	10,131	10,131	
120 MLB, Centrex, & PRI ISDN Lines	Base period demand	38,242	38,242	
130 Total Local Exchange Lines	Sum of Lines 100..120	276,256	276,256	
PICC Demand Inputs				
200 Total MLB & PRI ISDN PICCs	Base period demand	33,180	33,180	
210 Total Bus. Centrex PICCs in groups > 9	Base period demand	2,997	2,997	
220 Total Bus. Centrex Groups < 9 lines	Base period demand	193	193	
MOU Demand Inputs				
300 Terminating Premium MOU	Base period demand	28,365,151		
310 Terminating Non-Premium MOU	Base period demand	0		
320 Terminating Chargeable MOU	Line 300 + 0.45 * Line 310	28,365,151		
330 Originating Premium MOU	Base period demand	12,156,493		
340 Originating Non-Premium MOU	Base period demand	0		
350 Originating Chargeable MOU	Line 330 + 0.45 * Line 340	12,156,493		
SLC/PICC Caps				
400 Primary Res/SLB EUCL Cap	47 C.F.R. 69.152	6.50		
410 NonPrimary Res/BRI EUCL Cap	47 C.F.R. 69.152	7.00		
420 MLB, PRI, & Centrex EUCL Cap	47 C.F.R. 69.152	9.20		
430 PICC Cap	47 C.F.R. 69.152	4.31		

Citizens Telecommunications Companies - Group #3

Calculation of EUCL Limits, PICC Rates, and CCL Rates

Trans. 140

Exhibit 2.3-8

Page 2 of 3

		(A) Total	(B) No Zone / Zone A	(C) Zone B
	Source / Comments			
440	Current Max CMT Revenue Per Line	Trans. 138	4.42	
450	Total CMT Exog Factor	Exhibit 2.3-1, Line 5	1.000000	
460	Proposed Max CMT Revenue per Line	Line 440 * Line 450	4.42	
6/30/2000 Rates (Common Line + Marketing)				
470	NonPrimary Res/BRI EUCL Cap	Tariffed Rate as of 6/30/00	4.15	
480	MLB, PRI, & Centrex EUCL Cap	Tariffed Rate as of 6/30/00	4.15	
CALLS Maximum Allowable EUCL Rates				
500	Primary Res/SLB EUCL Cap	Min of Line 400, Line 460	4.42	
510	NonPrimary Res/BRI EUCL Cap	Min of Ln 410, (Max of Ln 460,470)	4.42	
520	MLB, PRI, & Centrex EUCL Cap	Min of Ln 420, (Max of Ln 460,480)	4.42	
CMT Rev vs. EUCL Rev at Max Allowable Rates				
600	Proposed Maximum CMT Revenue	Line 130 * Line 460	1,219,878	
610	Max Allowable PR, Lifeline, SLB Revenue	Line 100 * Line 500	1,006,275	
620	Max Allowable NonPrim Res, BRI Rev.	Line 110 * Line 510	44,736	
630	Max Allowable MLB, PRI, Ctx Revenue	Line 120 * Line 520	168,867	
640	Total Max Allowable EUCL Revenue	Sum of Lines 610..630	1,219,878	
650	Remaining CMT Revenue (Over-recovery)	Line 600 - Line 640	0	
652	Maximum Allowable PICC Revenue	Ln 430 * (Ln 200 + Ln 210 / 9 + Ln 220)	145,273	
660	Total USAC Receipts (at t)	Exhibit 3.3-2, Line 5	0	
665	Mandated CCL Revenue Reduction	none	0	
670	Voluntary Reduction	LEC choice	0	
680	Remaining Revenue (Over-Recovery)	Ln 650 - Ln 660 - Ln 665 - Ln 670	0	
685	Proposed Maximum CMT Revenue per Line	Ln 460 * (1 - (665 / Ln 130) / Ln 460)	4.42	

Citizens Telecommunications Companies - Group #3

Calculation of EUCL Limits, PICC Rates, and CCL Rates

Trans. 140

Exhibit 2.3-8

Page 3 of 3

		(A) Total	(B) No Zone / Zone A	(C) Zone B
Source / Comments				
Calculation of PICC for MLB, PRI ISDN, & Centrex				
800 MLB PICC Cap	Line 430	4.31		
810 MLB PICC Revenue Target	Max of zero, Line 680	0		
820 MLB PICC Target Rate	Line 810 / (Ln 200 + Ln 210 / 9 + Ln 220)	0.000000		
830 Maximum Average MLB PICC rate	Min of Line 800, Line 820	0.000000		
840 Maximum MLB PICC Revenue	Line 830 * Ln 200	0		
850 Maximum Centrex PICC Revenue	Line 830 * (Ln 210 / 9 + Ln 220)	0		
860 Total Maximum PICC Revenue	Line 840 + Line 850	0		
Calculation of CCL Rates and Revenue				
900 Local Switching Rate (Dec. 31, 1997)	records	0.01276734		
910 CCL Originating Rate (Dec. 31, 1997)	records	0.01000000		
920 Interconnection Rate (Dec. 31, 1997)	records	0.00582537		
930 Proposed Local Switching Rate	Exhibit 3.3-3, Line 2, Col. D	0.00709489		
940 Maximum Rate per Originating MOU	Sum of Lns 900..920 - Line 930	0.02149782		
950 Maximum CCL Revenue	Line 810 - Line 860	0		
960 Maximum CCL Orig Rate	Min of Line 940, Ln 950 / Ln 350	0.00000000		
970 Maximum CCL Term Rate	(Ln 950 - Ln 960 * Ln 350) / Ln 320	0.00000000		
980 Maximum Orig CCL Revenue	Line 960 * Line 350	0		
990 Maximum Term CCL Revenue	Line 970 * Line 320	0		
995 Total Max CCL Revenue	Line 980 + Line 990	0		
1100 Deaveraging Possible?	if Ln 680 > 0 No, else Yes	Yes		
1110 Pooling Revenue?	input	Yes		
1120 Will LEC Deaverage EUCL this filing?	LEC choice, if possible	No		
1130 TRP Form with Final EUCL Rates		CAP2		

Citizens Telecommunications Companies - Group #3

Manual Input of EUCL Rates to Avoid Over Recovery

Trans. 140

Exhibit 2.3-9

Page 1 of 1

	Source / Comments	Amount
Calculation of Maximum Recoverable Revenue		
100 Maximum CMT Revenues	Exhibit 2.3-8, Line 600	1,219,878
110 Total USAC Receipts	Exhibit 2.3-8, Line 660	0
120 Mandated & Voluntary Reductions	Exhibit 2.3-8, Lines 665 and 670	0
130 Maximum Recoverable Revenues	Line 100 - Line 110 - Line 120	1,219,878
CALLS Maximum Allowable EUCL Rates		
200 Primary Res/SLB EUCL Cap	Exhibit 2.3-8, Line 500	4.42
210 NonPrimary Res/BRI EUCL Cap	Exhibit 2.3-8, Line 510	4.42
220 MLB, PRI, & Centrex EUCL Cap	Exhibit 2.3-8, Line 520	4.42
Final EUCL Rates		
400 Primary Res/SLB EUCL Rate	input	4.42
410 NonPrimary Res/BRI EUCL Rate	input	4.42
420 MLB, PRI, & Centrex EUCL Rate	input	4.42
Final EUCL Revenue		
500 Primary Res/SLB EUCL Revenue	Line 400 * Exhibit 2.3-8, Line 100	1,006,275
510 NonPrimary Res/BRI EUCL Revenue	Line 410 * Exhibit 2.3-8, Line 110	44,736
520 MLB, PRI, & Centrex EUCL Revenue	Line 420 * Exhibit 2.3-8, Line 120	168,867
530 Total EUCL Revenue	Sum of Lines 500..520	1,219,878
600 Under (Over) Recovery	Line 530 - Line 130	0

Citizens Telecommunications Companies - Group #3

Allocation of Pooled Revenues

Trans. 140
 Exhibit 2.3-10
 Page 1 of 1

	Source / Comments	Amount
100 Pooling Amount	Exhibit 2.3-11, Line 3	496,832
105 TRP Form with Final EUCL Rates	Exhibit 2.3-8, Line 1130	CAP2
MLB Pooled Rates		
110 MLB, PRI, & Centrex EUCL Cap	Exhibit 2.3-8, Line 420	9.20
120 MLB, PRI, & Centrex EUCL Rate	Exhibit 2.3-9, Line 420	4.42
130 MLB, PRI, & Centrex Revenue below Cap	(Line 110 - Line 120) * MLB Lines	182,959
140 Pooling Revenue from MBL EUCLs	Min of Line 130, Line 100	182,959
150 Maximum Allowable MLB EUCL Rate	Ln 120 + Ln 140 / Exhibit 2.3-8, Line 120	9.20
155 Max Allowed MLB EUCL Revenues	Line 150 * Exhibit 2.3-8, Line 120	351,826
160 Remaining Pooled Revenue	Line 100 - Line 140	313,873
170 MLB PICC Cap	Exhibit 2.3-8, Line 430	4.31
180 Max Avg MLB, PRI, & Ctx PICC Rate	Exhibit 2.3-8, Line 830	0.00
190 MLB PICC Revenue Below Cap	(Ln 170 - Ln 180) * base year demand	145,273
200 Pooling Revenue from MLB PICC Rate	Min of Ln 160, Ln 190	145,273
210 Maximum Allowed MLB PICC Rate	Ln 180 + Ln 200 / base year demand	4.31
220 Max Allowed MLB PICC Revenue	Line 210 * base year demand	145,273
400 Unrecoverable Pool Revenues	Line 160 - Line 200	168,600

Citizens Telecommunications Companies - Group #3
Source of Pooled Revenues

Trans. 140
Exhibit 2.3-11
Page 1 of 1

	Source / Comments	Amount
1 Revenue to Pool from this Tariff Unit	Exhibit H-1	496,832
2 Shortfall Received from other Tariff Units	Exhibit H-1	0
3 Pool Revenue to Recover in this Tariff Unit	Line 1 + Line 2	496,832

Citizens Telecommunications Companies - Group #4
CMT Exogenous Cost Change Factor

Trans. 140
Exhibit 2.4-1

	<u>Quantity</u>	<u>Source / Comments</u>
1 Total exogenous changes (delta Z)	\$0	Exhibit 1.4-1, Line 4
2 Total EUCL Lines	3,765,285	Base Period Demand
3 CMT Exogenous per line	0.000000	Line 1 / Line 2
4 CMT Revenue per Line at time t-1	8.036939	Trans. 138
5 Exogenous Cost Change Factor	1.00000000	1 + Line 3 / Line 4
6 CMT Revenue per Line at time t	8.036939	Line 4 * Line 5

Citizens Telecommunications Companies - Group #4
Price Cap Index Calculation

Trans. 140
Exhibit 2.4-2

		(A) Traffic Sensitive	(B) Trunking	(C) Inter- exchange	(D) Special Access
	Source / Comments				
1 GDP-PI	Government Statistic	0.0000%	0.0000%		0.0000%
2 Productivity factor (X)	47 CFR 61.45	0.00%	0.00%		0.00%
3 GDP-PI - X	Line 1 - Line 2	0.0000%	0.0000%		0.0000%
4 Existing PCI [PCI(t-1)]	Trans. 138	36.4298	47.2388		41.1437
5 Exogenous Changes (delta Z)	Exhibit 1.4-1	\$0	\$0		\$0
6 Revenues (R)	Base Period Demand rated out (Revenues at Last PCI Update)	\$6,866,643	\$1,696,808		\$11,049,257
7 Delta Z / R	Line 5 / Line 6	0.0000	0.0000		0.0000
8 $W = (R + \text{Delta } Z) / R$	(Line 6 + Line 5) / Line 6	1.0000	1.0000		1.0000
9 $W * (\text{GDP-PI} - X)$	Line 8 * Line 3	0.0000	0.0000		0.0000
10 Targeted Revenue Differential		0	0		0
11 Proposed PCI (Non-Exog Only)	Line 4	36.4298	47.2388		41.1437
12 Proposed PCI	Line 4 * (1 + Line 7 + Line 10 / Line 6)	36.4298	47.2388		41.1437
13 % Change in PCI	(Line 12 / Line 4) - 1	0.0000%	0.0000%		0.0000%

Citizens Telecommunications Companies - Group #4
Calculation of g factor

Trans. 140
Exhibit 2.4-3

	<u>Quantity</u>	<u>Source / Comments</u>
1 Prior Base Period CCL MOU	843,545,302	Prior Base Period Demand
2 Prior Base Period Lines	309,044	Prior Base Period Demand / 12
3 Prior Base Period MOU per Line	2,730	Line 1 / Line 2
4 Base Period CCL MOU	804,135,148	Base Period Demand
5 Base Period Lines	313,774	Base Period Demand / 12
6 Base Period MOU per Line	2,563	Line 4 / Line 5
7 g factor	-6.1089%	(Line 6 / Line 3) - 1
8 g factor used for targeting	0.00%	zero if no CCL allowed, else Line 7

Citizens Telecommunications Companies - Group #4
Calculation of Transport Minutes for ATS Rate

Trans. 140
Exhibit 2.4-4

	<u>Quantity</u>	<u>Source / Comments</u>
1 ILEC Only TIC MOU	804,135,148	Base Period Demand
2 Less: MOU on detariffed facilities only	0	Base Period Demand
3 Connecting Co. Tandem MOU	0	Base Period Demand
4 Connecting Co. Direct MOU	0	Line 8 * Line 9
5 Total ILEC Transport MOU	804,135,148	Line 1 - Line 2 + Line 3 + Line 4
6 DS1's Direct to Conn. Co. Offices (PIU'd)	0.00	Base Period Demand in Price Caps
7 DS3's Direct to Conn. Co. Offices (PIU'd)	0.00	Base Period Demand in Price Caps
8 Conn. Co. VG Equiv. Direct Trunks	0	24 * Line 6 + 672 * Line 7
9 Assumed MOU per Direct Trunk	12,782	records

Citizens Telecommunications Companies - Group #4

Calculation of Current ATS Rate and Aggregate Target

Trans. 140

Exhibit 2.4-5

Page 1 of 1

		(A) Total	(B) CMT	(C) Traffic Sens.	(D) Trunking
100 Local Switching	Exhibit 3.4-3, Lines 1..5, Col. F	5,154,506		5,154,506	
105 LS Trunk Ports	Exhibit 3.4-8, Line 5, Col. F	1,043,801		1,043,801	
110 Info Surcharge	Exhibit 3.4-4, Line 1, Col. F	3,076		3,076	
115 STP Ports	Exhibit 3.4-9, Line 2, Col. F	0		0	
130 Tandem Switched Transport	Exhibit 3.4-10, Line 8, Col. F	1,093,054			1,093,054
160 VG Switched Transport	Exhibit 3.4-11, Line 7, Col. F	38,100			38,100
220 High Cap & Other Switched Transport	Exhibit 3.4-12, Line 6, Col. F	565,654			565,654
400 Total Traffic Sensitive-Related Revenue	Sum of Lines 100..220	7,898,191		6,201,383	1,696,808
410 Switched TS Revenue	Line 400, Col. C	6,201,383			
415 Switched Transport Revenue	Line 400, Col. D	1,696,808			
420 Local Switching MOU	Exhibit 3.4-3, Lines 1..5, Col. A	804,135,148			
430 LEC Transport MOU	Exhibit 2.4-4, Line 5	804,135,148			
440 Switched TS Revenue per MOU	Line 410 / Line 420	0.007712			
450 Switched Transport Revenue per MOU	Line 415 / Line 430	0.002110			
460 ATS Revenue per MOU	Line 440 + Line 450	0.009822			
470 Original Target Avg TS MOU Rate	47 C.F.R 61.3(qq)(3)	0.009500			
475 ATS Target Met in Prior Filing	Input	Yes			
478 Target Avg TS MOU Rate		0.009822			
480 Amount Above Target	Line 460 - Line 478, but max 0	0.000000			

Citizens Telecommunications Companies - Group #4

Calculation of Initial Targeting Amount

Trans. 140
Exhibit 2.4-6
Page 1 of 1

	(A) Source / Comments Total	(B) CMT	(C) Traffic Sens.	(D) Trunking
490 Maximum Revenue to Target	Line 480 * max of Ln 420or 430, subj. to LS reduction rule	0		
500 GDP-PI	Government Statistic	0.0000%	0.0000%	0.0000%
510 X	47 CFR 61.45	0.000000	0.000000	0.000000
520 g factor	Exhibit 2.4-3, Line 8	0.00%		
530 CL MOU Revenue, excl. Marketing	Base period Demand rated out	0		
540 R	Base period Demand rated out	40,775,511	32,212,060	6,866,643
				1,696,808
547 Reversal of Prior Yr Pooling Jurisdictions	Exhibit H-1	1,720,515	1,720,515	
550 Initial Target Reduction	GDP-PI - X & g impacts	0	0	0
550 Transfer Targeting Revenue	None	0	0	
450 Actual Available Targeting Reduction	Ln 550 + Ln 550 (limited to -Ln 490)	0		
570 Revenue Remaining to Target	Line 490 + Line 450	0		
595 Percentage Reduction in LS	Initial CALLS filing only	0.00%		
600 Specified LS Revenue Reduction	Line 595 * Line 100	0		
610 Amount of Calculated LS Reduction	Min(Line 600, Line 570)	0		
620 Final Revenue Remaining to Target	Line 570 - Line 610	0		
700 Required TIC Reduction	No remaining TIC	0		
710 Required Info Surcharge Reduction	No remaining Info Surcharge	0		
715 Residual Amount	Ln 450 - Ln 610 - Ln 700 - Ln 710	0		
720 Minimum Amount for Local Switching	Ln 715 * Ln 100 / Ln 400	0		
730 Max. Availa. for Other ATS Ratemaking	Line 715 - Line 720	0		

Citizens Telecommunications Companies - Group #4

Calculation of Amount Targeted and Proposed ATS Rate

Trans. 140

Exhibit 2.4-7

Page 1 of 1

		(A) Total	(B) CMT	(C) Traffic Sens.	(D) Trunking
<hr/>					
Actual Targeting Selected:					
800 Local Switching	selected reduction	0		0	
805 LS Trunk Ports	selected reduction	0		0	
810 Info Surcharge	selected reduction	0		0	
815 STP Ports	selected reduction	0		0	
830 Tandem Switched Transport	selected reduction	0			0
862 VG Switched Transport	selected reduction	0			0
926 DS1 Switched Transport	selected reduction	0			0
986 DS3 Switched Transport	selected reduction	0			0
1046 HiCap/Other Switched Transport	selected reduction	0			0
1100 Actual Targeting Amounts for PCIs	Sum of Lines 800..1046	0		0	0
1110 Proposed ATS Revenue	Line 1100 + Exhibit 2.4-5, Line 400	7,898,191		6,201,383	1,696,808
1120 Proposed ATS Rate	Line 1110 / Exhibit 2.4-5 Ln 420 or 430	0.009822		0.007712	0.002110
1130 ATS Cap for this Annual Filing Period	Exhibit 2.4-5, Line 460	0.009822			

Citizens Telecommunications Companies - Group #4

Calculation of EUCL Limits, PICC Rates, and CCL Rates

Trans. 140

Exhibit 2.4-8

Page 1 of 3

		(A) Total	(B) No Zone / Zone A	(C) Zone B
	Source / Comments			
EUCL Demand Inputs				
100 Primary Res, SLB, & Lifeline Lines	Base period demand	2,861,566	2,861,566	
110 NonPrimary Res & BRI ISDN Lines	Base period demand	201,176	201,176	
120 MLB, Centrex, & PRI ISDN Lines	Base period demand	702,543	702,543	
130 Total Local Exchange Lines	Sum of Lines 100..120	3,765,285	3,765,285	
PICC Demand Inputs				
200 Total MLB & PRI ISDN PICCs	Base period demand	525,962	525,962	
210 Total Bus. Centrex PICCs in groups > 9	Base period demand	53,148	53,148	
220 Total Bus. Centrex Groups < 9 lines	Base period demand	11,206	11,206	
MOU Demand Inputs				
300 Terminating Premium MOU	Base period demand	562,894,604		
310 Terminating Non-Premium MOU	Base period demand	0		
320 Terminating Chargeable MOU	Line 300 + 0.45 * Line 310	562,894,604		
330 Originating Premium MOU	Base period demand	241,240,544		
340 Originating Non-Premium MOU	Base period demand	0		
350 Originating Chargeable MOU	Line 330 + 0.45 * Line 340	241,240,544		
SLC/PICC Caps				
400 Primary Res/SLB EUCL Cap	47 C.F.R. 69.152	6.50		
410 NonPrimary Res/BRI EUCL Cap	47 C.F.R. 69.152	7.00		
420 MLB, PRI, & Centrex EUCL Cap	47 C.F.R. 69.152	9.20		
430 PICC Cap	47 C.F.R. 69.152	4.31		

Citizens Telecommunications Companies - Group #4

Calculation of EUCL Limits, PICC Rates, and CCL Rates

Trans. 140

Exhibit 2.4-8

Page 2 of 3

		(A) Total	(B) No Zone / Zone A	(C) Zone B
	Source / Comments			
440	Current Max CMT Revenue Per Line	Trans. 138	8.04	
450	Total CMT Exog Factor	Exhibit 2.4-1, Line 5	1.000000	
460	Proposed Max CMT Revenue per Line	Line 440 * Line 450	8.04	
6/30/2000 Rates (Common Line + Marketing)				
470	NonPrimary Res/BRI EUCL Cap	Tariffed Rate as of 6/30/00	6.07	
480	MLB, PRI, & Centrex EUCL Cap	Tariffed Rate as of 6/30/00	8.76	
CALLS Maximum Allowable EUCL Rates				
500	Primary Res/SLB EUCL Cap	Min of Line 400, Line 460	6.50	
510	NonPrimary Res/BRI EUCL Cap	Min of Ln 410, (Max of Ln 460,470)	7.00	
520	MLB, PRI, & Centrex EUCL Cap	Min of Ln 420, (Max of Ln 460,480)	8.76	
CMT Rev vs. EUCL Rev at Max Allowable Rates				
600	Proposed Maximum CMT Revenue	Line 130 * Line 460	30,261,367	
610	Max Allowable PR, Lifeline, SLB Revenue	Line 100 * Line 500	18,600,179	
620	Max Allowable NonPrim Res, BRI Rev.	Line 110 * Line 510	1,408,232	
630	Max Allowable MLB, PRI, Ctx Revenue	Line 120 * Line 520	6,155,962	
640	Total Max Allowable EUCL Revenue	Sum of Lines 610..630	26,164,373	
650	Remaining CMT Revenue (Over-recovery)	Line 600 - Line 640	4,096,995	
652	Maximum Allowable PICC Revenue	Ln 430 * (Ln 200 + Ln 210 / 9 + Ln 220)	2,340,645	
660	Total USAC Receipts (at t)	Exhibit 3.4-2, Line 11	3,211,411	
665	Mandated CCL Revenue Reduction	none	0	
670	Voluntary Reduction	LEC choice	0	
680	Remaining Revenue (Over-Recovery)	Ln 650 - Ln 660 - Ln 665 - Ln 670	885,584	
685	Proposed Maximum CMT Revenue per Line	Ln 460 * (1 - (665 / Ln 130) / Ln 460)	8.04	

Citizens Telecommunications Companies - Group #4

Calculation of EUCL Limits, PICC Rates, and CCL Rates

Trans. 140

Exhibit 2.4-8

Page 3 of 3

		(A) Total	(B) No Zone / Zone A	(C) Zone B
Source / Comments				
Calculation of PICC for MLB, PRI ISDN, & Centrex				
800 MLB PICC Cap	Line 430	4.31		
810 MLB PICC Revenue Target	Max of zero, Line 680	885,584		
820 MLB PICC Target Rate	Line 810 / (Ln 200 + Ln 210 / 9 + Ln 220)	1.630690		
830 Maximum Average MLB PICC rate	Min of Line 800, Line 820	1.630690		
840 Maximum MLB PICC Revenue	Line 830 * Ln 200	857,681		
850 Maximum Centrex PICC Revenue	Line 830 * (Ln 210 / 9 + Ln 220)	27,903		
860 Total Maximum PICC Revenue	Line 840 + Line 850	885,584		
Calculation of CCL Rates and Revenue				
900 Local Switching Rate (Dec. 31, 1997)	records	0.01276734		
910 CCL Originating Rate (Dec. 31, 1997)	records	0.01000000		
920 Interconnection Rate (Dec. 31, 1997)	records	0.00582537		
930 Proposed Local Switching Rate	Exhibit 3.4-3, Line 2, Col. D	0.00641000		
940 Maximum Rate per Originating MOU	Sum of Lns 900..920 - Line 930	0.02218271		
950 Maximum CCL Revenue	Line 810 - Line 860	0		
960 Maximum CCL Orig Rate	Min of Line 940, Ln 950 / Ln 350	0.00000000		
970 Maximum CCL Term Rate	(Ln 950 - Ln 960 * Ln 350) / Ln 320	0.00000000		
980 Maximum Orig CCL Revenue	Line 960 * Line 350	0		
990 Maximum Term CCL Revenue	Line 970 * Line 320	0		
995 Total Max CCL Revenue	Line 980 + Line 990	0		
1100 Deaveraging Possible?	if Ln 680 > 0 No, else Yes	No		
1110 Pooling Revenue?	input	Yes		
1120 Will LEC Deaverage EUCL this filing?	LEC choice, if possible	No		
1130 TRP Form with Final EUCL Rates		CAP1		

Citizens Telecommunications Companies - Group #4

Manual Input of EUCL Rates to Avoid Over Recovery

Trans. 140

Exhibit 2.4-9

Page 1 of 1

	Source / Comments	Amount
Calculation of Maximum Recoverable Revenue		
100 Maximum CMT Revenues	Exhibit 2.4-8, Line 600	N/A
110 Total USAC Receipts	Exhibit 2.4-8, Line 660	N/A
120 Mandated & Voluntary Reductions	Exhibit 2.4-8, Lines 665 and 670	N/A
130 Maximum Recoverable Revenues	Line 100 - Line 110 - Line 120	N/A
CALLS Maximum Allowable EUCL Rates		
200 Primary Res/SLB EUCL Cap	Exhibit 2.4-8, Line 500	N/A
210 NonPrimary Res/BRI EUCL Cap	Exhibit 2.4-8, Line 510	N/A
220 MLB, PRI, & Centrex EUCL Cap	Exhibit 2.4-8, Line 520	N/A
Final EUCL Rates		
400 Primary Res/SLB EUCL Rate	input	6.50
410 NonPrimary Res/BRI EUCL Rate	input	7.00
420 MLB, PRI, & Centrex EUCL Rate	input	8.76
Final EUCL Revenue		
500 Primary Res/SLB EUCL Revenue	Line 400 * Exhibit 2.4-8, Line 100	N/A
510 NonPrimary Res/BRI EUCL Revenue	Line 410 * Exhibit 2.4-8, Line 110	N/A
520 MLB, PRI, & Centrex EUCL Revenue	Line 420 * Exhibit 2.4-8, Line 120	N/A
530 Total EUCL Revenue	Sum of Lines 500..520	N/A
600 Under (Over) Recovery	Line 530 - Line 130	N/A

Citizens Telecommunications Companies - Group #4

Allocation of Pooled Revenues

Trans. 140
 Exhibit 2.4-10
 Page 1 of 1

	Source / Comments	Amount
100 Pooling Amount	Exhibit 2.4-11, Line 3	2,007,794
105 TRP Form with Final EUCL Rates	Exhibit 2.4-8, Line 1130	CAP1
MLB Pooled Rates		
110 MLB, PRI, & Centrex EUCL Cap	Exhibit 2.4-8, Line 420	9.20
120 MLB, PRI, & Centrex EUCL Rate	Exhibit 2.4-8, Line 520	8.76
130 MLB, PRI, & Centrex Revenue below Cap	(Line 110 - Line 120) * MLB Lines	307,434
140 Pooling Revenue from MBL EUCLs	Min of Line 130, Line 100	307,434
150 Maximum Allowable MLB EUCL Rate	Ln 120 + Ln 140 / Exhibit 2.4-8, Line 120	9.20
155 Max Allowed MLB EUCL Revenues	Line 150 * Exhibit 2.4-8, Line 120	6,463,396
160 Remaining Pooled Revenue	Line 100 - Line 140	1,700,360
170 MLB PICC Cap	Exhibit 2.4-8, Line 430	4.31
180 Max Avg MLB, PRI, & Ctx PICC Rate	Exhibit 2.4-8, Line 830	1.63
190 MLB PICC Revenue Below Cap	(Ln 170 - Ln 180) * base year demand	1,455,061
200 Pooling Revenue from MLB PICC Rate	Min of Ln 160, Ln 190	1,455,061
210 Maximum Allowed MLB PICC Rate	Ln 180 + Ln 200 / base year demand	4.31
220 Max Allowed MLB PICC Revenue	Line 210 * base year demand	2,340,645
400 Unrecoverable Pool Revenues	Line 160 - Line 200	245,299

Citizens Telecommunications Companies - Group #4
Source of Pooled Revenues

Trans. 140
Exhibit 2.4-11
Page 1 of 1

	Source / Comments	Amount
1 Revenue to Pool from this Tariff Unit	Exhibit H-1	2,007,794
2 Shortfall Received from other Tariff Units	Exhibit H-1	0
3 Pool Revenue to Recover in this Tariff Unit	Line 1 + Line 2	2,007,794

Citizens Telecommunications Companies - Group #1
CMT Basket
Rate Element Detail

Trans. 140
Exhibit 3.1-1

Rate Elements	base period demand 2002 A	prices at last PCI update B	existing prices C	Maximum Allowed prices D	proposed prices E	revenues at last PCI update F = A * B	revenues at existing prices G = A * C	revenues at maximum prices H = A * D	revenues at proposed prices I = A * E
1 EUCL - Res. & SLB excl. Semi-Public, 2nd Res.	7,710,859	6.50	6.50	6.50	6.50	\$50,120,584	\$50,120,584	\$50,120,584	\$50,120,584
2 EUCL - Lifeline	345,132	6.50	6.50	6.50	6.50	\$2,243,358	\$2,243,358	\$2,243,358	\$2,243,358
3 EUCL - Secondary Residence	637,935	7.00	7.00	7.00	7.00	\$4,465,545	\$4,465,545	\$4,465,545	\$4,465,545
4 EUCL - BRI ISDN	6,750	7.00	7.00	7.00	7.00	\$47,250	\$47,250	\$47,250	\$47,250
5 EUCL - MLB & Centrex incl. Coin, excl. BRI ISDN	2,160,833	9.20	9.20	9.20	9.20	\$19,879,664	\$19,879,664	\$19,879,664	\$19,879,664
6 EUCL - PRI ISDN	720	46.00	46.00	46.00	46.00	\$33,120	\$33,120	\$33,120	\$33,120
7 EUCL - Special Access Surcharge	5,596	25.00	25.00	25.00	25.00	\$139,900	\$139,900	\$139,900	\$139,900
8 Port - BRI ISDN	6,750	6.91	6.91	6.91	6.91	\$46,643	\$46,643	\$46,643	\$46,643
9 Port - PRI ISDN	720	59.21	59.21	59.21	59.21	\$42,631	\$42,631	\$42,631	\$42,631
10 Subtotal EUCL Lines or Revenue	10,865,109					\$77,018,694	\$77,018,694	\$77,018,694	\$77,018,694
11 PICC - MLB incl. Coin	1,241,030	4.31	4.31	4.31	4.31	\$5,348,839	\$5,348,839	\$5,348,839	\$5,348,839
12 PICC - Centrex (groups of 9+ lines)	376,115	0.48	0.48	0.48	0.48	\$180,117	\$180,117	\$180,117	\$180,117
13 PICC - Centrex (groups of 8 lines)	19,367	0.54	0.54	0.54	0.54	\$10,434	\$10,434	\$10,434	\$10,434
14 PICC - Centrex (groups of 7 lines)	22,533	0.62	0.62	0.62	0.62	\$13,874	\$13,874	\$13,874	\$13,874
15 PICC - Centrex (groups of 6 lines)	26,728	0.72	0.72	0.72	0.72	\$19,200	\$19,200	\$19,200	\$19,200
16 PICC - Centrex (groups of 5 lines)	33,050	0.86	0.86	0.86	0.86	\$28,489	\$28,489	\$28,489	\$28,489
17 PICC - Centrex (groups of 4 lines)	35,684	1.08	1.08	1.08	1.08	\$38,450	\$38,450	\$38,450	\$38,450
18 PICC - Centrex (groups of 3 lines)	38,577	1.44	1.44	1.44	1.44	\$55,422	\$55,422	\$55,422	\$55,422
19 PICC - Centrex (groups of 2 lines)	39,926	2.16	2.16	2.16	2.16	\$86,041	\$86,041	\$86,041	\$86,041
20 PICC - PRI ISDN	666	21.55	21.55	21.55	21.55	\$14,352	\$14,352	\$14,352	\$14,352
21 Subtotal PICC Lines or Revenue	1,833,676					\$5,795,218	\$5,795,218	\$5,795,218	\$5,795,218
22 CCL Premium Terminating MOU	1,379,682,566	0.00000000	0.00000000	0.00000000	0.00000000	\$0	\$0	\$0	\$0
24 CCL Non Premium Terminating MOU	0	0.00000000	0.00000000	0.00000000	0.00000000	\$0	\$0	\$0	\$0
23 CCL Premium Originating MOU	1,207,278,567	0.00000000	0.00000000	0.00000000	0.00000000	\$0	\$0	\$0	\$0
25 CCL Non Premium Originating MOU	0	0.00000000	0.00000000	0.00000000	0.00000000	\$0	\$0	\$0	\$0
26 Total CCL MOU or Revenues	2,586,961,133					\$0	\$0	\$0	\$0
27 PICC - Payphones	123,288	4.31	4.31	0.00	0.00	\$531,371	\$531,371	\$0	\$0
28 Total CMT Basket Revenues excluding USAC Receipts						\$83,345,283	\$83,345,283	\$82,813,912	\$82,813,912
29 USAC Receipts	10,865,109					\$23,800,357	\$23,800,357	\$23,800,357	\$23,800,357
30 CMT per line Revenues						\$106,916,466	\$106,916,466	\$106,385,095	\$106,385,095
31 Other CMT revenues						\$229,174	\$229,174	\$229,174	\$229,174
32 Total CMT Basket Revenues including USAC Receipts						\$107,145,640	\$107,145,640	\$106,614,269	\$106,614,269
33 Pooling Revenues Included in CMT per line Revenues								\$2,878,979	\$2,878,979
34 Total CMT Lines/CMT Rev. Per Line Excl. Pooling	10,865,109							9.526468	9.526468

Citizens Telecommunications Companies - Group #1

CMT Basket

USAC Support Detail

Trans. 140

Exhibit 3.1-2

Type of Support/Study Area		COSA A	base period demand 2002 B	Current Support Level C	Proposed Support Level D	Current Total Support E = B * C	Proposed Total Support F = B * D
Residence & Single Line Business							
1	CTC White Mountains - AZ	CTAZ	408,226	3.1495	3.1495	1,285,708	1,285,708
2	Crandon Tel - WI	CTCR	28,628	4.7509	4.7509	136,009	136,009
3	CTC WV - Rural	CTCW	398,642	4.8915	4.8915	1,949,957	1,949,957
4	CTC WV - Urban	CTGW	883,260	3.8067	3.8067	3,362,306	3,362,306
5	Headwaters Tel - WI	CTHW	62,770	0.0000	0.0000	0	0
6	CTC Idaho	CTID	232,779	6.7195	6.7195	1,564,158	1,564,158
7	CTC Montana	CTMT	85,419	4.2587	4.2587	363,774	363,774
8	CTC NY - Red Hook	CTRH	179,754	0.5926	0.5926	106,522	106,522
9	Rib Lake Tel - WI	CTRL	14,531	3.4553	3.4553	50,209	50,209
10	Rhineland Tel - WI	CTRN	120,954	0.0000	0.0000	0	0
11	CTC Tennessee	CTTN	712,819	0.5568	0.5568	396,898	396,898
12	CTC NY - Upstate	CTUP	2,716,493	2.0490	2.0490	5,566,094	5,566,094
13	CTC Utah	CTUT	213,002	3.8770	3.8770	825,809	825,809
14	CTC NY - Western Counties	CTWC	310,531	3.0835	3.0835	957,522	957,522
15	CTC California - Shasta	CUCA	1,391,415	3.0534	3.0534	4,248,547	4,248,547
16	CU Rural Tel AZ - Mohave	CURA	941,453	1.6573	1.6573	1,560,270	1,560,270
17	Total Residence & Single Line Business		8,700,676			22,373,783	22,373,783
Multiline Business							
18	CTC White Mountains - AZ	CTAZ	110,027	1.4665	1.4665	161,355	161,355
19	Crandon Tel - WI	CTCR	14,854	2.5412	2.5412	37,747	37,747
20	CTC WV - Rural	CTCW	56,358	2.6818	2.6818	151,141	151,141
21	CTC WV - Urban	CTGW	262,028	1.5970	1.5970	418,459	418,459
22	Headwaters Tel - WI	CTHW	3,928	0.0000	0.0000	0	0
23	CTC Idaho	CTID	42,738	4.5098	4.5098	192,740	192,740
24	CTC Montana	CTMT	17,635	2.0490	2.0490	36,134	36,134
25	CTC NY - Red Hook	CTRH	44,591	0.0000	0.0000	0	0
26	Rib Lake Tel - WI	CTRL	2,068	1.2455	1.2455	2,576	2,576
27	Rhineland Tel - WI	CTRN	71,452	0.0000	0.0000	0	0
28	CTC Tennessee	CTTN	213,393	0.0000	0.0000	0	0
29	CTC NY - Upstate	CTUP	607,595	0.0000	0.0000	0	0
30	CTC Utah	CTUT	68,499	1.6673	1.6673	114,208	114,208
31	CTC NY - Western Counties	CTWC	46,212	0.8738	0.8738	40,380	40,380
32	CTC California - Shasta	CUCA	322,194	0.8437	0.8437	271,835	271,835
33	CU Rural Tel AZ - Mohave	CURA	280,861	0.0000	0.0000	0	0
34	Total Multiline Business		2,164,433			1,426,574	1,426,574
35	Total for Tariff Unit		10,865,109			23,800,357	23,800,357

Trans. 140
Exhibit 3.1-3

Rate Element Detail		base period volumes 2002 A	prices in effect at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
Rate Elements		A	B	C	D	E = A * B	F = A * C	G = A * D	H
Local Switching Service Category:									
1	LS1 Premium Local Switching per Minute	31,691,505	0.00324014	0.00324014	0.00324014	102,685	102,685	102,685	
2	LS2 Premium Local Switching per Minute	2,555,269,628	0.00324014	0.00324014	0.00324014	8,279,431	8,279,431	8,279,431	
3	Non Premium Local Switching per Minute	0	0.00145806	0.00145806	0.00145806	0	0	0	
4	FGA Usage Sensitive Credit Allw.	0	0.00000000	0.00000000	0.00000000	0	0	0	
5	Switched 56Kpbs	0	0.00324014	0.00324014	0.00324014	0	0	0	
6	Network Blocking - per Blocked Call (FGB, FGC, FGI	0	0.0200	0.0200	0.0200	0	0	0	
7	IC CIC Consolidation Charge	0	1.30	1.30	1.30	0	0	0	
8	Agent List, NRC	0	50.00	50.00	50.00	0	0	0	
9	Agent List, Initial, per Account	0	0.03	0.03	0.03	0	0	0	
10	Agent List, Allocation, per Listing	0	0.03	0.03	0.03	0	0	0	
11	Snapshot List, NRC	0	75.00	75.00	75.00	0	0	0	
12	Snapshot List, per Listing	0	0.05	0.05	0.05	0	0	0	
13	EU Valid List, Standard	0	0.0340	0.0340	0.0340	0	0	0	
14	EU Valid List, Admin Fee	0	78.00	78.00	78.00	0	0	0	
15	EU Valid List, Special Sort	0	0.0540	0.0540	0.0540	0	0	0	
16	Operator Transfer Service	39,387	0.20	0.20	0.20	7,877	7,877	7,877	
17	NXX Translation NRC, per order	298	221.00	221.00	221.00	65,858	65,858	65,858	
18	500 NXX Translation per End Office	0	221.00	221.00	221.00	0	0	0	
19	Coin Supervision	0	2.10	2.10	2.10	0	0	0	
20	900 Blocking--Residence--Add Blocking	0	5.00	5.00	5.00	0	0	0	
21	900 Blocking--Residence--Remove Blocking	0	5.00	5.00	5.00	0	0	0	
22	900 Blocking--Business--Add Blocking	0	15.00	15.00	15.00	0	0	0	
23	900 Blocking--Business--Remove Blocking	0	15.00	15.00	15.00	0	0	0	
24	International Blocking	0	19.95	19.95	19.95	0	0	0	
25	SUB-TOTAL, Local Switching					\$8,455,852	\$8,455,852	\$8,455,852	
SBI Calculation:		Source / Comments:							
26	SBI(py) = SBI on last day of previous tariff year	Trans. 138 31.1706							
27	Proposed PCI (Non-Exogenous Only)	N/A N/A							
28	PCI(py) = PCI on last day of previous tariff year	Trans. 138 39.0547							
29	SBI Upper(t-1)	Trans. 138 25.9125							
30	ATS Targeting to Switching	Exhibit 1.1-3, Line 1 0							
31	Exogenous Cost Change factor for SBI	1 + (Line 30 / Line 25 Col. E) 1.0000							
32	SBI(t-1) = Immed. preceeding SBI	Trans. 138 24.6786							
33	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 25 / Col. F Line 25 1.0000							
34	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 32 * Line 33 24.6786							
35	SBI Upper Limit	Line 29 * Line 31 25.9125							

Rate Element Detail

Exhibit 3.1-4

Rate Elements		base period volumes 2002 A	prices in effect at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
Information Services Category:									
1	Information Surcharge--Premium	0	0.00000000	0.00000000	0.00000000	0	0	0	
2	Information Surcharge--Non Premium	0	0.00000000	0.00000000	0.00000000	0	0	0	
3	SUB-TOTAL, Information					\$0	\$0	\$0	
SBI Calculation:		Source / Comments:							
4	SBI(py) = SBI on last day of previous tariff year	Trans. 138							
5	Proposed PCI (Non-Exogenous Only)	N/A							
6	PCI(py) = PCI on last day of previous tariff year	Trans. 138							
7	SBI Upper(t-1)	Trans. 138							
8	ATS Targeting to Information	Exhibit 1.1-3, Line 2							
9	Exogenous Cost Change factor for SBI	1 + (Line 8 / Line 3 Col. E)							
10	SBI(t-1) = Immed. preceeding SBI	Trans. 138							
11	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 3 / Col. F Line 3							
12	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 10 * Line 11							
13	SBI Upper Limit	Line 7 * Line 9							

Traffic Sensitive Basket Rate Element Detail

Exhibit 3.1-5

Rate Elements	base period volumes 2002 A	prices in effect at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
800 Data Base - Vertical Features								
1 no services currently provided					0	0	0	
2 SUB-TOTAL, 800 DB Vertical Features					\$0	\$0	\$0	
SBI Calculation:		Source / Comments:						
3 SBI(py) = SBI on last day of previous tariff year		Trans. 138						0.0000
4 Proposed PCI (Non-Exogenous Only)		N/A						N/A
5 PCI(py) = PCI on last day of previous tariff year		Trans. 138						39.0547
6 SBI Upper(t-1)		Trans. 138						0.0000
7 Undesig Exog Chg Targeted to Database Access		Exhibit 1.1-2, Line 4						0
8 Exogenous Cost Change factor for SBI		1 + (Line 7 / Exhibit 3.1-6 Line 4 Col. E)						1.0000
9 SBI(t-1) = Immed. preceeding SBI		Trans. 138						0.0000
10 Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio		Col. G Line 2 / Col. F Line 2						1.0000
11 SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]		Line 9 * Line 10						0.0000
12 SBI Upper Limit		Line 6 * Line 8						0.0000

Trans. 140
Exhibit 3.1-6

Exhibit 3.1-6

Rate Element		base period volumes 2002 A	prices in effect at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
Database Access									
1	800 DB Query Charge	386,836,394	0.01050466	0.01050466	0.01050466	4,063,585	4,063,585	4,063,585	
2	LNP Access Query Charge	0	0.02000000	0.02000000	0.02000000	0	0	0	
3	SUB-TOTAL, 800 Database Basic					\$4,063,585	\$4,063,585	\$4,063,585	
4	SUB-TOTAL, Database Access					\$4,063,585	\$4,063,585	\$4,063,585	
SBI Calculation:									
5	SBI(py) = SBI on last day of previous tariff year	Trans. 138							55.8496
6	Proposed PCI (Non-Exogenous Only)	N/A							N/A
7	PCI(py) = PCI on last day of previous tariff year	Trans. 138							39.0547
8	SBI Upper(t-1)	Trans. 138							58.6894
9	Exogenous Change Targeted to Database Access	Exhibit 1.1-2, Line 4							0
10	Exogenous Cost Change factor for SBI	1 + (Line 9 / Line 4 Col. E)							1.0000
11	SBI(t-1) = Immed. preceeding SBI	Trans. 138							55.8947
12	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 4 / Col. F Line 4							1.0000
13	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 11 * Line 12							55.8947
14	SBI Upper Limit	Line 8 * Line 10							58.6894

Rate Element Detail

Exhibit 3.1-7

Rate Element Detail		base period volumes 2002	prices in effect at last PCI update	current prices	proposed prices	revenue at last PCI update	revenue at current prices	revenue at proposed prices	Index Calculation	
Rate Elements		A	B	C	D	E = A * B	F = A * C	G = A * D	H	
Billing Name & Address										
1	BNA per order	0	28.00	28.00	28.00	0	0	0		
2	BNA Found/Each	0	0.40	0.40	0.40	0	0	0		
3	BNA Not Found/Each	0	0.40	0.40	0.40	0	0	0		
4	SUB-TOTAL, BNA					\$0	\$0	\$0		
SBI Calculation:		Source / Comments:								
5	SBI(py) = SBI on last day of previous tariff year	Trans. 138								0.0000
6	Proposed PCI (Non-Exogenous Only)	N/A								N/A
7	PCI(py) = PCI on last day of previous tariff year	Trans. 138								39.0547
8	SBI Upper(t-1)	Trans. 138								0.0000
9	Exogenous Change Targeted to BNA	Exhibit 1.1-2, Line 8								0
10	Exogenous Cost Change factor for SBI	1 + (Line 9 / Line 4 Col. E)								1.0000
11	SBI(t-1) = Immed. preceeding SBI	Trans. 138								0.0000
12	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 4 / Col. F Line 4								1.0000
13	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 11 * Line 12								0.0000
14	SBI Upper Limit	Line 8 * Line 10								0.0000

Rate Element Detail

Exhibit 3.1-8

Rate Element		base period volumes 2002 A	prices in effect at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H	
Trunk Ports										
1	Shared DS1 Port Charge - per MOU	1,750,317,900	0.00257273	0.00257273	0.00257273	4,503,095	4,503,095	4,503,095		
2	Multiplexers - (Trunk Side of End Office) - per MOU	1,750,317,900	0.00075469	0.00075469	0.00075469	1,320,947	1,320,947	1,320,947		
3	Dedicated VG (DSO) Port Charge	62.00	10.00	10.00	10.00	620	620	620		
4	Dedicated DS1 Port Charge	4,217.18	150.00	150.00	150.00	632,577	632,577	632,577		
5	Dedicated DS3 Port Charge	10.36	5,000.00	5,000.00	5,000.00	51,800	51,800	51,800		
6	SUB-TOTAL, Trunk Ports					\$6,509,040	\$6,509,040	\$6,509,040		
SBI Calculation:		Source / Comments:								
7	SBI(py) = SBI on last day of previous tariff year	Trans. 138								81.9410
8	Proposed PCI (Non-Exogenous Only)	N/A								N/A
9	PCI(py) = PCI on last day of previous tariff year	Trans. 138								39.0547
10	SBI Upper(t-1)	Trans. 138								79.4078
11	ATS Targeting to Trunk Ports	Exhibit 1.1-3, Line 3								0
12	Exogenous Cost Change factor for SBI	1 + (Line 11 / Line 6 Col. E)								1.0000
13	SBI(t-1) = Immed. preceeding SBI	Trans. 138								75.6265
14	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 6 / Col. F Line 6								1.0000
15	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 13 * Line 14								75.6265
16	SBI Upper Limit	Line 10 * Line 12								79.4078

Traffic Sensitive Basket Rate Element Detail

Trans. 140
Exhibit 3.1-9

Rate Element Detail		base period volumes 2002 A	prices in effect at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
Rate Elements									
STP Ports									
1	Signalling Transfer Point Port Termination	0	720.00	720.00	720.00	0	0	0	
2	SUB-TOTAL, STP Ports					\$0	\$0	\$0	
SBI Calculation:		Source / Comments:							
3	SBI(py) = SBI on last day of previous tariff year	Trans. 138 0.0000							
4	Proposed PCI (Non-Exogenous Only)	N/A N/A							
5	PCI(py) = PCI on last day of previous tariff year	Trans. 138 39.0547							
6	SBI Upper(t-1)	Trans. 138 0.0000							
7	ATS Targeting to STP Ports	Exhibit 1.1-3, Line 4 0							
8	Exogenous Cost Change factor for SBI	1 + (Line 7 / Line 2 Col. E) 1.0000							
9	SBI(t-1) = Immed. preceeding SBI	Trans. 138 0.0000							
10	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 2 / Col. F Line 2 1.0000							
11	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 9 * Line 10 0.0000							
12	SBI Upper Limit	Line 6 * Line 8 0.0000							
13	GRAND TOTAL, Traffic Sensitive Basket					\$19,028,476	\$19,028,476	\$19,028,476	
Traffic Sensitive Basket API Calculation:		Source / Comments:							
14	API(t-1) = Immediately Preceeding API	Trans. 138 34.1003							
15	[SUM (v)*(P(t)/P(t-1))] = API wtd. price ratio	Col. G Line 13 / Col. F Line 13 1.0000							
16	API(t) = API(t-1) * [SUM(v) * (P(t)/P(t-1))]	Line 14 * Line 15 34.1003							

Trans. 140
Exhibit 3.1-10

Exhibit 3.1-10

Rate Element Detail		base period volumes 2002	prices in effect at last PCI update	current prices	proposed prices	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
Rate Elements		A	B	C	D	E = A * B	F = A * C	G = A * D	H
Tandem Switched Transport Service Category:									
1	Termination - per Termination, per minute	3,414,648,217	0.00100000	0.00100000	0.00100000	3,414,648	3,414,648	3,414,648	
2	Facility - per Mile, per minute	41,022,789,600	0.00005000	0.00005000	0.00005000	2,051,139	2,051,139	2,051,139	
3	Tandem Switching per minute	758,867,978	0.00005000	0.00005000	0.00005000	37,943	37,943	37,943	
4	Shared Mux DS3 to DS1, per MOU	372,466,881	0.00005000	0.00005000	0.00005000	18,623	18,623	18,623	
5	Voice Grade Tandem Trunk Port	0.00	10.00	10.00	10.00	0	0	0	
6	DS1 Tandem Trunk Port	8,575.51	150.00	150.00	150.00	1,286,327	1,286,327	1,286,327	
7	DS3 Tandem Trunk Port	0.00	5,000.00	5,000.00	5,000.00	0	0	0	
8	SUB-TOTAL, Tandem Switched Transport					\$6,808,681	\$6,808,681	\$6,808,681	
Tandem Switched Transport SBI Calculation:									
9	SBI(py) = SBI on last day of previous tariff year	Trans. 138							81.9759
10	Proposed PCI (Non-Exogenous Only)	N/A							N/A
11	PCI(py) = PCI on last day of previous tariff year	Trans. 138							36.4568
12	SBI Upper(t-1)	Trans. 138							61.3448
13	ATS Targeting to Tandem Transport	Exhibit 1.1-3, Line 6							0
14	Exogenous Cost Change factor for SBI	1 + (Line 13 / Line 8 Col. E)							1.0000
15	SBI(t-1) = Immed. preceeding SBI	Trans. 138							60.1419
16	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 8 / Col. F Line 8							1.0000
17	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 15 * Line 16							60.1419
18	SBI Upper Limit	Line 12 * Line 14							61.3448

Trunking Basket Rate Element Detail

Trans. 140
Exhibit 3.1-11

Rate Element Detail		base period volumes 2002	prices at last PCI update	current prices	proposed prices	revenue at last PCI update	revenue at current prices	revenue at proposed prices	Index Calculation
Rate Elements		A	B	C	D	E = A * B	F = A * C	G = A * D	H
Voice Grade Service Category: Non-Density Zone									
1	VG Entrance facility -- 2 Wire	24.00	55.93	55.93	55.93	1,342	1,342	1,342	
2	VG Entrance facility -- 4 Wire	74.40	91.00	91.00	91.00	6,770	6,770	6,770	
3	VG Direct Trunked Termination - Mohave	74.00	100.00	100.00	100.00	7,400	7,400	7,400	
4	VG Direct Trunked Termination - All Other	382.78	38.00	38.00	38.00	14,546	14,546	14,546	
5	VG Direct Trunked Facility - Mohave	0.00	0.00	0.00	0.00	0	0	0	
5	VG Direct Trunked Facility - All Other	6,044.58	0.61	0.61	0.61	3,707	3,707	3,707	
6	VG Entrance Facility -- NRC	0	488.24	488.24	488.24	0	0	0	
7	VG Dir. Trk. Transport Activated, per service order	0	130.23	130.23	130.23	0	0	0	
8	SUB-TOTAL, Voice Grade					\$33,766	\$33,766	\$33,766	
Voice Grade SBI Calculation:		Source / Comments:							
9	SBI(py) = SBI on last day of previous tariff year	Trans. 138							93.0217
10	Proposed PCI (Non-Exogenous Only)	N/A							N/A
11	PCI(py) = PCI on last day of previous tariff year	Trans. 138							36.4568
12	SBI Upper(t-1)	Trans. 138							95.1694
13	ATS Targeting to Voice Grade	Exhibit 1.1-3, Line 7							0
14	Exogenous Cost Change factor for SBI	1 + (Line 13 / Line 8 Col. E)							1.0000
15	SBI(t-1) = Immed. preceeding SBI	Trans. 138							90.6375
16	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 8 / Col. F Line 8							1.0000
17	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 15 * Line 16							90.6375
18	SBI Upper Limit	Line 12 * Line 14							95.1694

Trans. 140
Exhibit 3.1-12

Rate Element	base period volumes 2002 A	prices at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
High Capacity & Other Service Category:								
DS 1 Non-Density Zone:								
1 DS1 Entrance facility	6,666.42	150.00	150.00	150.00	999,963	999,963	999,963	
2 DS1 Direct Trunked Termination - Mohave	395.79	900.00	900.00	900.00	356,211	356,211	356,211	
3 DS1 Direct Trunked Termination - All Other	18,426.02	150.00	150.00	150.00	2,763,903	2,763,903	2,763,903	
4 DS1 Direct Trunked Facility - Mohave	0.00	0.00	0.00	0.00	0	0	0	
5 DS1 Direct Trunked Facility - All Other	304,902.55	7.33	7.33	7.33	2,234,936	2,234,936	2,234,936	
6 Mux DS1 to voice	3,178.33	263.00	263.00	263.00	835,901	835,901	835,901	
7 Mux DS1 to voice -- NRC	0	417.00	417.00	417.00	0	0	0	
8 DS1 Entrance Facility -- NRC	1	600.00	600.00	600.00	600	600	600	
9 DS1 Dir. Trk. Transport, per 24 Trunks Activated	1	50.81	50.81	50.81	51	51	51	
10 DS1 Dir. Trk. Transport Activated, per service order	235	130.23	130.23	130.23	30,570	30,570	30,570	
8 SUB-TOTAL, DS1 Service					\$7,222,134	\$7,222,134	\$7,222,134	
DS1 Subindex Calculation:								
9 SBI(py) = SBI on last day of previous tariff year	Trans. 138							83.5290
10 Proposed PCI (Non-Exogenous Only)	N/A							N/A
11 PCI(py) = PCI on last day of previous tariff year	Trans. 138							36.4568
12 SBI Upper(t-1)	Trans. 138							64.7049
13 ATS Targeting to DS1	Exhibit 1.1-3, Line 8							0
14 Exogenous Cost Change factor for SBI	1 + (Line 13 / Line 8 Col. E)							1.0000
15 SBI(t-1) = Immed. preceeding SBI	Trans. 138							61.6237
16 Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 8 / Col. F Line 8							1.0000
17 SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 15 * Line 16							61.6237
18 SBI Upper Limit	Line 12 * Line 14							64.7049

Trunking Basket Rate Element Detail

Exhibit 3.1-13

Rate Element	base period volumes 2002 A	prices at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
DS 3 Non-Density Zone:								
1 DS3 Entrance facility	56.28	1,500.00	1,500.00	1,500.00	84,420	84,420	84,420	
2 DS3 Direct Trunked Termination	26.18	900.00	900.00	900.00	23,562	23,562	23,562	
3 DS3 Direct Trunked Facility	409.55	120.00	120.00	120.00	49,146	49,146	49,146	
4 Mux DS3 to DS1, per month	233.44	1,400.00	1,400.00	1,400.00	326,816	326,816	326,816	
5 Mux DS3 to DS1 -- NRC	0.00	1,297.00	1,297.00	1,297.00	0	0	0	
6 DS3 Entrance Facility -- NRC	0	3,410.00	3,410.00	3,410.00	0	0	0	
7 DS3 Dir. Trk. Transport Activated, per service order	0	415.00	415.00	415.00	0	0	0	
8 SUB-Total, DS3 Service					\$483,944	\$483,944	\$483,944	
DS3 Subindex Calculation:								
9 SBI(py) = SBI on last day of previous tariff year	Trans. 138							4.3716
10 Proposed PCI (Non-Exogenous Only)	N/A							N/A
11 PCI(py) = PCI on last day of previous tariff year	Trans. 138							36.4568
12 SBI Upper(t-1)	Trans. 138							4.48225
13 ATS Targeting to DS3	Exhibit 1.1-3, Line 9							0
14 Exogenous Cost Change factor for SBI	1 + (Line 13 / Line 8 Col. E)							1.0000
15 SBI(t-1) = Immed. preceeding SBI	Trans. 138							4.2688
16 Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 8 / Col. F Line 8							1.0000
17 SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 15 * Line 16							4.2688
18 SBI Upper Limit	Line 12 * Line 14							4.4822

Trans. 140
Exhibit 3.1-14

[illegible]

Trans. 140
Exhibit 3.1-15

Rate Elements	base period volumes 2002 A	prices at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
VG/WATS/Metal/Teleg Service Category:								
1 VG Channel Termination, 2 Wire	2,579	55.93	55.93	55.93	144,243	144,243	144,243	
2 VG Channel Termination, 4 Wire	10,372	91.00	91.00	91.00	943,789	943,789	943,789	
3 Metallic Channel Termination	0	55.93	55.93	55.93	0	0	0	
4 VG Channel Mileage Termination, per term.	12,330	39.00	39.00	39.00	480,870	480,870	480,870	
5 Metallic Channel Mileage Termination, per term.	0	42.00	42.00	42.00	0	0	0	
6 VG Channel Mileage Facility, per mile	222,831	0.61	0.61	0.61	135,927	135,927	135,927	
7 Metallic Channel Mileage Facility, per mile	1,272	0.75	0.75	0.75	954	954	954	
8 VG Channel Term 4W NRC, per termination	64	488.24	488.24	488.24	31,247	31,247	31,247	
9 VG Channel Term 2W NRC, per termination	0	488.24	488.24	488.24	0	0	0	
10 VG 2W/4W Channel Term NRC, per order	64	130.23	130.23	130.23	8,335	8,335	8,335	
11 VG data bridging 2W/4W	2,144	1.00	1.00	1.00	2,144	2,144	2,144	
12 VG Voice bridging, 2W/4W	378	1.00	1.00	1.00	378	378	378	
13 VG C-type conditioning	234	1.00	1.00	1.00	234	234	234	
14 VG Improved Attenuation Distortion	216	1.00	1.00	1.00	216	216	216	
15 VG Improved Envelope Delay Distortion	0	7.74	7.74	7.74	0	0	0	
16 VG data capability	1,525	1.00	1.00	1.00	1,525	1,525	1,525	
17 VG Improved Return Loss for Effective 2w/4w	108	1.00	1.00	1.00	108	108	108	
18 VG Customer Specified Receive Level	36	1.00	1.00	1.00	36	36	36	
19 VG Signaling Capability	60	1.00	1.00	1.00	60	60	60	
20 VG Selective Signaling Arrangement	451	1.00	1.00	1.00	451	451	451	
21 VG Improved Term Option	201	1.00	1.00	1.00	201	201	201	
22 Metallic Channel Term NRC, per termination	0	488.24	488.24	488.24	0	0	0	
23 Metallic Channel Term NRC, per order	0	130.23	130.23	130.23	0	0	0	
24 SUB-TOTAL, VG/WATS/METLL/TELEG					\$1,750,719	\$1,750,719	\$1,750,719	
VG/WATS/Metallic/Teleg. SBI Calculation:								
25 SBI(py) = SBI on last day of previous tariff year	Trans. 138							91.8652
26 Proposed PCI (Non-Exogenous Only)	N/A							N/A
27 PCI(py) = PCI on last day of previous tariff year	Trans. 138							64.6868
28 SBI Upper(t-1)	Trans. 138							91.5803
29 Exogenous Change Targeted to Voice Grade	Exhibit 1.1-2, Line 12							0
30 Undesignated Exog. Chq for Special Access Basket	Exhibit 1.1-2, Line 17							0
31 Exogenous Cost Change factor for SBI	1 + (Line 29 / Line 24 Col. E) + (Line 30 / Exhibit 3.1-19 Line 74 Col. E)							1.0000
32 SBI(t-1) = Immed. preceeding SBI	Trans. 138							89.7199
33 Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 24 / Col. F Line 24							1.0000
34 SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 32 * Line 33							89.7199
35 SBI Upper Limit	Line 28 * Line 31							91.5803

Trans. 140
Exhibit 3.1-16

Audio/Video SBI Calculation:	Source / Comments:	
33 SBI(py) = SBI on last day of previous tariff year	Trans. 138	83.3095
34 Proposed PCI (Non-Exogenous Only)	N/A	N/A
35 PCI(py) = PCI on last day of previous tariff year	Trans. 138	64.6868
36 SBI Upper(t-1)	Trans. 138	83.0511
37 Exogenous Change Targeted to Audio/Video	Exhibit 1.1-2, Line 13	0
38 Undesignated Exog. Chg for Special Access Basket	Exhibit 1.1-2, Line 17	0
39 Exogenous Cost Change factor for SBI	1 + (Line 37 / Line 32 Col. E) + (Line 38 / Exhibit 3.1-19 Line 74 Col. E)	1.0000
40 SBI(t-1) = Immed. preceeding SBI	Trans. 138	83.0461
41 Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 32 / Col. F Line 32	1.0000

Citizens Telecommunications Companies - Group #1

Special Access Basket

Rate Element Detail

Trans. 140
Exhibit 3.1-16

		base period volumes 2002	prices at last PCI update	current prices	proposed prices	revenue at last PCI update	revenue at current prices	revenue at proposed prices	Index Calculation
	Rate Elements	A	B	C	D	E = A * B	F = A * C	G = A * D	H
42	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 40 * Line 41							83.0461
43	SBI Upper Limit	Line 36 * Line 39							83.0511

Trans. 140
Exhibit 3.1-17

78.4521
84.1518

Trans. 140
Exhibit 3.1-18

Rate Elements	base period volumes 2002 A	prices at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
DS 3 Non-Density Zone:								
1 DS3 Channel Termination	1,477	1,500.00	1,500.00	1,500.00	2,215,500	2,215,500	2,215,500	
2 DS3 Channel Mileage Termination	1,631	900.00	900.00	900.00	1,467,900	1,467,900	1,467,900	
3 DS3 Channel Mileage Facility	12,158	120.00	120.00	120.00	1,459,014	1,459,014	1,459,014	
4 DS3 Channel Termination NRC per termination	16	3,410.00	3,410.00	3,410.00	54,560	54,560	54,560	
5 DS3 Channel Termination NRC per order	17	415.00	415.00	415.00	7,055	7,055	7,055	
6 Mux DS3 to DS1	389	1,400.00	1,400.00	1,400.00	544,600	544,600	544,600	
7 Mux DS3 to DS1 NRC	0	1,297.00	1,297.00	1,297.00	0	0	0	
8 SUB-Total, DS3 Service					\$5,748,629	\$5,748,629	\$5,748,629	
DS3 Subindex Calculation:								
9 SBI(py) = SBI on last day of previous tariff year	Trans. 138							92.1123
10 Proposed PCI (Non-Exogenous Only)	N/A							N/A
11 PCI(py) = PCI on last day of previous tariff year	Trans. 138							64.6868
12 SBI Upper(t-1)	Trans. 138							91.8266
13 Exogenous Change Targeted to Hi Cap	Exhibit 1.1-2, Line 14							0
14 Undesignated Exog. Chq for Special Access Basket	Exhibit 1.1-2, Line 17							0
15 Exogenous Cost Change factor for SBI	1 + (Line 13 / Exhibit 3.1-19 Line 62 Col. E) + (Line 14 / Exhibit 3.1-19 Line 74 Col. E)							1.0000
16 SBI(t-1) = Immed. preceeding SBI	Trans. 138							90.4284
17 Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 8 / Col. F Line 8							1.0000
18 SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 16 * Line 17							90.4284
19 SBI Upper Limit	Line 12 * Line 15							91.8266

Citizens Telecommunications Companies - Group #1
Special Access Basket
Rate Element Detail

Trans. 140
Exhibit 3.1-19

Rate Elements	base period volumes 2002 A	prices at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
DDS & Other								
1 DDS Channel Termination 2.4 Kbps	218	100.65	100.65	100.65	21,942	21,942	21,942	
2 DDS Channel Termination 4.8 Kbps	48	100.65	100.65	100.65	4,831	4,831	4,831	
3 DDS Channel Termination 9.6 Kbps	3,597	100.65	100.65	100.65	362,038	362,038	362,038	
4 DDS Channel Termination 19.2 Kbps	144	100.65	100.65	100.65	14,494	14,494	14,494	
5 DDS Channel Termination 56 Kbps	34,637	100.65	100.65	100.65	3,486,214	3,486,214	3,486,214	
6 DDS Channel Termination 64 Kbps	632	100.65	100.65	100.65	63,611	63,611	63,611	
7 OC-3 Channel Termination	4	3,200.00	3,200.00	3,200.00	12,800	12,800	12,800	
8 OC-3c Channel Termination	0	3,000.00	3,000.00	3,000.00	0	0	0	
9 DDS Channel Mileage Termination 2.4 Kbps	176	47.00	47.00	47.00	8,272	8,272	8,272	
10 DDS Channel Mileage Termination 4.8 Kbps	78	47.00	47.00	47.00	3,683	3,683	3,683	
11 DDS Channel Mileage Termination 9.6 Kbps	3,447	47.00	47.00	47.00	162,009	162,009	162,009	
12 DDS Channel Mileage Termination 19.2 Kbps	163	47.00	47.00	47.00	7,661	7,661	7,661	
13 DDS Channel Mileage Termination 56 Kbps	36,182	70.00	70.00	70.00	2,532,740	2,532,740	2,532,740	
14 DDS Channel Mileage Termination 64 Kbps	2,392	70.00	70.00	70.00	167,440	167,440	167,440	
15 OC-3 Channel Mileage Termination	4	2,000.00	2,000.00	2,000.00	8,000	8,000	8,000	
16 OC-3c Channel Mileage Termination	0	2,000.00	2,000.00	2,000.00	0	0	0	
17 DDS Channel Mileage Facility 2.4 Kbps	5,442	0.35	0.35	0.35	1,905	1,905	1,905	
18 DDS Channel Mileage Facility 4.8 Kbps	324	0.35	0.35	0.35	113	113	113	
19 DDS Channel Mileage Facility 9.6 Kbps	42,969	0.35	0.35	0.35	15,039	15,039	15,039	
20 DDS Channel Mileage Facility 19.2 Kbps	3,928	0.35	0.35	0.35	1,375	1,375	1,375	
21 DDS Channel Mileage Facility 56 Kbps	1,011,938	0.65	0.65	0.65	662,668	662,668	662,668	
22 DDS Channel Mileage Facility 64 Kbps	19,441	0.65	0.65	0.65	12,636	12,636	12,636	
23 OC-3 Channel Mileage Facility	2	280.00	280.00	280.00	538	538	538	
24 OC-3c Channel Mileage Facility	0	280.00	280.00	280.00	0	0	0	
25 DDS Channel Termination 2.4 Kbps NRC	0	519.09	519.09	519.09	0	0	0	
26 DDS Channel Termination 4.8 Kbps NRC	0	519.09	519.09	519.09	0	0	0	
27 DDS Channel Termination 9.6 Kbps NRC	0	519.09	519.09	519.09	0	0	0	
28 DDS Channel Termination 19.2 Kbps NRC	0	519.09	519.09	519.09	0	0	0	
29 DDS Channel Termination 56 Kbps NRC	443	519.09	519.09	519.09	229,957	229,957	229,957	
30 DDS Channel Termination 64 Kbps NRC	0	519.09	519.09	519.09	0	0	0	
31 DDS Channel Termination NRC per order	443	130.23	130.23	130.23	57,692	57,692	57,692	
32 OC-3 Channel Termination NRC	2	3,600.00	3,600.00	3,600.00	7,200	7,200	7,200	
33 OC-3c Channel Termination NRC	0	3,600.00	3,600.00	3,600.00	0	0	0	
34 OC-3 Channel Termination NRC per order	1	415.00	415.00	415.00	415	415	415	
35 OC-3c Channel Termination NRC per order	0	415.00	415.00	415.00	0	0	0	
36 DDS Central Offic Bridging, per Port	0	12.53	12.53	12.53	0	0	0	
37 OC-3 to DS3 Multiplexing	0	1,500.00	1,500.00	1,500.00	0	0	0	
38 OC-3 to DS1 Multiplexing	0	1,800.00	1,800.00	1,800.00	0	0	0	
39 OC-3 to DS3 Multiplexing NRC	0	1,297.00	1,297.00	1,297.00	0	0	0	
40 OC-3 to DS1 Multiplexing NRC	0	1,297.00	1,297.00	1,297.00	0	0	0	
41 NID Replacement NRC	0	99.00	99.00	99.00	0	0	0	
42 Service Date Change - NRC	224	12.38	12.38	12.38	2,773	2,773	2,773	
43 Design Change Charge - NRC	3	31.76	31.76	31.76	95	95	95	
44 Cancellation Charge - NRC	112	402.75	402.75	402.75	45,108	45,108	45,108	
45 Restoration Priority	60	4.90	4.90	4.90	294	294	294	
46 Add'l Engineering, per 1/2 hour, Basic	0	30.19	30.19	30.19	0	0	0	

Trans. 140
Exhibit 3.1-19

Rate Element Details		base period volumes 2002 A	prices at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
47	Add'l Engineering, per 1/2 hour, Overtime	0	45.29	45.29	45.29	0	0	0	
48	Add'l Engineering, per 1/2 hour, Premium	0	60.38	60.38	60.38	0	0	0	
49	Add'l Labor, per 1/2 hour per technician, Basic	623	23.51	23.51	23.51	14,642	14,642	14,642	
50	Add'l Labor, per 1/2 hour per technician, Overtime	11	35.27	35.27	35.27	388	388	388	
51	Add'l Labor, per 1/2 hour per technician, Premium	3	47.02	47.02	47.02	151	151	151	
52	Add'l Testing, per 1/2 hour per technician, Basic	0	23.51	23.51	23.51	0	0	0	
53	Add'l Testing, per 1/2 hour per technician, Overtime	0	35.27	35.27	35.27	0	0	0	
54	Add'l Testing, per 1/2 hour per technician, Premium	0	47.02	47.02	47.02	0	0	0	
55	Standby, per 1/2 hour per technician, Basic	1	23.51	23.51	23.51	24	24	24	
56	Standby, per 1/2 hour per technician, Overtime	0	35.27	35.27	35.27	0	0	0	
57	Standby, per 1/2 hour per technician, Premium	0	47.02	47.02	47.02	0	0	0	
58	Programming, per 1/2 hour per programmer, Basic	37	23.51	23.51	23.51	860	860	860	
59	Programming, per 1/2 hour per programmer, Overtime	0	35.27	35.27	35.27	0	0	0	
60	Programming, per 1/2 hour per programmer, Premium	0	47.02	47.02	47.02	0	0	0	
61	SUB-TOTAL, Other High Cap & DDS					\$7,909,607	\$7,909,607	\$7,909,607	
62	SUB-TOTAL, High Capacity/DDS					\$43,254,537	\$43,254,537	\$43,254,537	
High Cap/DDS SBI Calculation:		Source / Comments:							
63	SBI(py) = SBI on last day of previous tariff year	Trans. 138							87.0538
64	Proposed PCI (Non-Exogenous Only)	N/A							N/A
65	PCI(py) = PCI on last day of previous tariff year	Trans. 138							64.6868
66	SBI Upper(t-1)	Trans. 138							86.7838
67	Exogenous Change Targeted to Hi Cap	Exhibit 1.1-2, Line 14							0
68	Undesignated Exog. Chq for Special Access Basket	Exhibit 1.1-2, Line 17							0
69	Exogenous Cost Change factor for SBI	1 + (Line 67 / Line 62 Col. E) + (Line 68 / Line 74 Col. E)							1.0000
70	SBI(t-1) = Immed. preceeding SBI	Trans. 138							82.5570
71	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 62 / Col. F Line 62							1.0000
72	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 70 * Line 71							82.5570
73	SBI Upper Limit	Line 66 * Line 69							86.7838
74	GRAND TOTAL, Special Access Basket					\$45,017,967	\$45,017,967	\$45,017,967	
Special Access Basket API Calculation:		Source / Comments:							
75	API(t-1) = Immediately Preceeding API	Trans. 138							61.4154
76	[SUM (v) * (P(t) / P(t-1)) = API wtd.price ratio	Col. G Line 74 / Col. F Line 74							1.0000
77	API(t) = API(t-1) * [SUM(v) * (P(t)/P(t-1))]	Line 75 * Line 76							61.4154

Citizens Telecommunications Companies - Group #2
CMT Basket
Rate Element Detail

Trans. 140
Exhibit 3.2-1

Rate Elements	base period demand 2002 A	prices at last PCI update B	existing prices C	Maximum Allowed prices D	proposed prices E	revenues at last PCI update F = A * B	revenues at existing prices G = A * C	revenues at maximum prices H = A * D	revenues at proposed prices I = A * E
1 EUCL - Res. & SLB excl. Semi-Public, 2nd Res.	1,230,196	6.50	6.50	6.50	6.50	\$7,996,274	\$7,996,274	\$7,996,274	\$7,996,274
2 EUCL - Lifeline	141,169	6.50	6.50	6.50	6.50	\$917,599	\$917,599	\$917,599	\$917,599
3 EUCL - Secondary Residence	88,225	7.00	7.00	7.00	7.00	\$617,575	\$617,575	\$617,575	\$617,575
4 EUCL - BRI ISDN	1,446	7.00	7.00	7.00	7.00	\$10,122	\$10,122	\$10,122	\$10,122
5 EUCL - MLB & Centrex incl. Coin, excl. BRI ISDN	428,274	9.20	9.20	9.20	9.20	\$3,940,121	\$3,940,121	\$3,940,121	\$3,940,121
6 EUCL - PRI ISDN	48	46.00	46.00	46.00	46.00	\$2,208	\$2,208	\$2,208	\$2,208
7 EUCL - Special Access Surcharge	384	25.00	25.00	25.00	25.00	\$9,600	\$9,600	\$9,600	\$9,600
8 Port - BRI ISDN	1,446	7.86	7.86	7.86	7.86	\$11,366	\$11,366	\$11,366	\$11,366
9 Port - PRI ISDN	48	0.00	0.00	0.00	0.00	\$0	\$0	\$0	\$0
10 Subtotal EUCL Lines or Revenue	1,889,550					\$13,504,864	\$13,504,864	\$13,504,864	\$13,504,864
11 PICC - MLB incl. Coin	256,492	4.31	4.31	4.31	4.31	\$1,105,481	\$1,105,481	\$1,105,481	\$1,105,481
12 PICC - Centrex (groups of 9+ lines)	81,907	0.48	0.48	0.48	0.48	\$39,224	\$39,224	\$39,224	\$39,224
13 PICC - Centrex (groups of 8 lines)	3,328	0.54	0.54	0.54	0.54	\$1,793	\$1,793	\$1,793	\$1,793
14 PICC - Centrex (groups of 7 lines)	3,878	0.62	0.62	0.62	0.62	\$2,388	\$2,388	\$2,388	\$2,388
15 PICC - Centrex (groups of 6 lines)	4,278	0.72	0.72	0.72	0.72	\$3,073	\$3,073	\$3,073	\$3,073
16 PICC - Centrex (groups of 5 lines)	4,615	0.86	0.86	0.86	0.86	\$3,978	\$3,978	\$3,978	\$3,978
17 PICC - Centrex (groups of 4 lines)	5,112	1.08	1.08	1.08	1.08	\$5,508	\$5,508	\$5,508	\$5,508
18 PICC - Centrex (groups of 3 lines)	5,416	1.44	1.44	1.44	1.44	\$7,781	\$7,781	\$7,781	\$7,781
19 PICC - Centrex (groups of 2 lines)	6,436	2.16	2.16	2.16	2.16	\$13,870	\$13,870	\$13,870	\$13,870
20 PICC - PRI ISDN	48	21.55	21.55	21.55	21.55	\$1,034	\$1,034	\$1,034	\$1,034
21 Subtotal PICC Lines or Revenue	371,510					\$1,184,130	\$1,184,130	\$1,184,130	\$1,184,130
22 CCL Premium Terminating MOU	243,759,834	0.00000000	0.00000000	0.00000000	0.00000000	\$0	\$0	\$0	\$0
24 CCL Non Premium Terminating MOU	0	0.00000000	0.00000000	0.00000000	0.00000000	\$0	\$0	\$0	\$0
23 CCL Premium Originating MOU	253,212,122	0.00328632	0.00328632	0.00379492	0.00379492	\$832,136	\$832,136	\$960,918	\$960,918
25 CCL Non Premium Originating MOU	0	0.00147884	0.00147884	0.00170771	0.00170771	\$0	\$0	\$0	\$0
26 Total CCL MOU or Revenues	496,971,956					\$832,136	\$832,136	\$960,918	\$960,918
27 PICC - Payphones	29,880	4.31	4.31	0.00	0.00	\$128,783	\$128,783	\$0	\$0
28 Total CMT Basket Revenues excluding USAC Receipts						\$15,649,912	\$15,649,912	\$15,649,912	\$15,649,912
29 USAC Receipts	1,889,550					\$11,040,071	\$11,040,071	\$11,040,071	\$11,040,071
30 CMT per line Revenues						\$26,540,235	\$26,540,235	\$26,669,017	\$26,669,017
31 Other CMT revenues						\$20,966	\$20,966	\$20,966	\$20,966
32 Total CMT Basket Revenues including USAC Receipts						\$26,689,983	\$26,689,983	\$26,689,983	\$26,689,983
33 Pooling Revenues Included in CMT per line Revenues								\$0	\$0
34 Total CMT Lines/CMT Rev. Per Line Excl. Pooling	1,889,550							14.113952	14.113952

Citizens Telecommunications Companies - Group #2
CMT Basket
USAC Support Detail

Trans. 140
Exhibit 3.2-2

Type of Support/Study Area		COSA A	base period demand 2002 B	Current Support Level C	Proposed Support Level D	Current Total Support E = B * C	Proposed Total Support F = B * D
Residence & Single Line Business							
1	CTC Golden State - CA	CTCA	175,209	6.1169	6.1169	1,071,736	1,071,736
2	CTC Mountain State - WV	CTMW	278,316	11.2179	11.2179	3,122,121	3,122,121
3	Navaho - AZ	CTNA	194,113	4.9414	4.9414	959,190	959,190
4	Navaho - NM	CTNM	85,575	9.8734	9.8734	844,916	844,916
5	CTC Nevada - North	CTNN	207,741	2.4406	2.4406	507,013	507,013
6	CTC Nevada - South	CTNS	21,333	5.8457	5.8457	124,706	124,706
7	Navaho - UT	CTNU	4,428	25.8037	25.8037	114,259	114,259
8	CTC Oregon	CTOR	157,582	5.4339	5.4339	856,285	856,285
9	CTC Tuolumne	CTTU	86,963	11.6703	11.6703	1,014,884	1,014,884
10	CTC Volunteer State - TN	CTVS	249,776	2.1093	2.1093	526,853	526,853
11	Total Residence & Single Line Business		1,461,036			9,141,963	9,141,963
Multiline Business							
12	CTC Golden State - CA	CTCA	54,021	3.9072	3.9072	211,071	211,071
13	CTC Mountain State - WV	CTMW	37,520	9.0197	9.0197	338,419	338,419
14	Navaho - AZ	CTNA	130,348	4.9414	4.9414	644,102	644,102
15	Navaho - NM	CTNM	31,940	7.6637	7.6637	244,779	244,779
16	CTC Nevada - North	CTNN	96,796	1.9787	1.9787	191,530	191,530
17	CTC Nevada - South	CTNS	11,185	3.6360	3.6360	40,669	40,669
18	Navaho - UT	CTNU	2,776	23.5938	23.5938	65,496	65,496
19	CTC Oregon	CTOR	26,507	3.2242	3.2242	85,464	85,464
20	CTC Tuolumne	CTTU	8,085	9.4717	9.4717	76,579	76,579
21	CTC Volunteer State - TN	CTVS	29,336	0.0000	0.0000	0	0
22	Total Multiline Business		428,514			1,898,108	1,898,108
23	Total for Tariff Unit		1,889,550			11,040,071	11,040,071

Traffic Sensitive Basket Rate Element Detail

Trans. 140
Exhibit 3.2-3

Rate Element Details		base period volumes 2002 A	prices in effect at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
Rate Elements									
Local Switching Service Category:									
1	LS1 Premium Local Switching per Minute	34,466,878	0.00408748	0.00408748	0.00408748	140,883	140,883	140,883	
2	LS2 Premium Local Switching per Minute	462,505,078	0.00408748	0.00408748	0.00408748	1,890,480	1,890,480	1,890,480	
3	Non Premium Local Switching per Minute	0	0.00183937	0.00183937	0.00183937	0	0	0	
4	FGA Usage Sensitive Credit Allw.	0	0.00000000	0.00000000	0.00000000	0	0	0	
5	Switched 56Kpbs	0	0.00408748	0.00408748	0.00408748	0	0	0	
6	Network Blocking - per Blocked Call (FGB, FGC, FGI	0	0.0170	0.0170	0.0170	0	0	0	
7	IC CIC Consolidation Charge	0	1.30	1.30	1.30	0	0	0	
8	Agent List, NRC	0	50.00	50.00	50.00	0	0	0	
9	Agent List, Initial, per Account	0	0.03	0.03	0.03	0	0	0	
10	Agent List, Allocation, per Listing	0	0.03	0.03	0.03	0	0	0	
11	Snapshot List, NRC	0	75.00	75.00	75.00	0	0	0	
12	Snapshot List, per Listing	0	0.05	0.05	0.05	0	0	0	
13	EU Valid List, Standard	0	0.0340	0.0340	0.0340	0	0	0	
14	EU Valid List, Admin Fee	0	78.00	78.00	78.00	0	0	0	
15	EU Valid List, Special Sort	0	0.0540	0.0540	0.0540	0	0	0	
16	Operator Transfer Service	0	0.20	0.20	0.20	0	0	0	
17	NXX Translation NRC, per order	78	221.00	221.00	221.00	17,238	17,238	17,238	
18	500 NXX Translation per End Office	0	221.00	221.00	221.00	0	0	0	
19	Coin Supervision	0	1.88	1.88	1.88	0	0	0	
20	900 Blocking--Residence--Add Blocking	0	5.00	5.00	5.00	0	0	0	
21	900 Blocking--Residence--Remove Blocking	0	5.00	5.00	5.00	0	0	0	
22	900 Blocking--Business--Add Blocking	0	15.00	15.00	15.00	0	0	0	
23	900 Blocking--Business--Remove Blocking	0	15.00	15.00	15.00	0	0	0	
24	International Blocking	0	19.95	19.95	19.95	0	0	0	
25	SUB-TOTAL, Local Switching					\$2,048,601	\$2,048,601	\$2,048,601	
SBI Calculation:		Source / Comments:							
26	SBI(py) = SBI on last day of previous tariff year	Trans. 138							
27	Proposed PCI (Non-Exogenous Only)	N/A							
28	PCI(py) = PCI on last day of previous tariff year	Trans. 138							
29	SBI Upper(t-1)	Trans. 138							
30	ATS Targeting to Switching	Exhibit 1.2-3, Line 1							
31	Exogenous Cost Change factor for SBI	1 + (Line 30 / Line 25 Col. E)							
32	SBI(t-1) = Immed. preceeding SBI	Trans. 138							
33	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 25 / Col. F Line 25							
34	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 32 * Line 33							
35	SBI Upper Limit	Line 29 * Line 31							

Rate Element Detail

Exhibit 3.2-4

Rate Elements		base period volumes 2002 A	prices in effect at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
Information Services Category:									
1	Information Surcharge--Premium	0	0.00000000	0.00000000	0.00000000	0	0	0	
2	Information Surcharge--Non Premium	0	0.00000000	0.00000000	0.00000000	0	0	0	
3	SUB-TOTAL, Information					\$0	\$0	\$0	
SBI Calculation:		Source / Comments:							
4	SBI(py) = SBI on last day of previous tariff year	Trans. 138							
5	Proposed PCI (Non-Exogenous Only)	N/A							
6	PCI(py) = PCI on last day of previous tariff year	Trans. 138							
7	SBI Upper(t-1)	Trans. 138							
8	ATS Targeting to Information	Exhibit 1.2-3, Line 2							
9	Exogenous Cost Change factor for SBI	1 + (Line 8 / Line 3 Col. E)							
10	SBI(t-1) = Immed. preceeding SBI	Trans. 138							
11	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 3 / Col. F Line 3							
12	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 10 * Line 11							
13	SBI Upper Limit	Line 7 * Line 9							

Rate Element Detail

Trans. 140
Exhibit 3.2-5

Rate Elements		base period volumes 2002 A	prices in effect at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
800 Data Base - Vertical Features									
1	no services currently provided					0	0	0	
2	SUB-TOTAL, 800 DB Vertical Features					\$0	\$0	\$0	
SBI Calculation:		Source / Comments:							
3	SBI(py) = SBI on last day of previous tariff year		Trans. 138						100.0000
4	Proposed PCI (Non-Exogenous Only)		N/A						N/A
5	PCI(py) = PCI on last day of previous tariff year		Trans. 138						24.0861
6	SBI Upper(t-1)		Trans. 138						105.0000
7	Undesig Exog Chg Targeted to Database Access		Exhibit 1.2-2, Line 4						0
8	Exogenous Cost Change factor for SBI		1 + (Line 7 / Exhibit 3.2-6 Line 4 Col. E)						1.0000
9	SBI(t-1) = Immed. preceeding SBI		Trans. 138						100.0000
10	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio		Col. G Line 2 / Col. F Line 2						1.0000
11	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]		Line 9 * Line 10						100.0000
12	SBI Upper Limit		Line 6 * Line 8						105.0000

Rate Element Detail

Exhibit 3.2-6

Rate Elements		base period volumes 2002 A	prices in effect at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
Database Access									
1	800 DB Query Charge	90,640,512	0.00702332	0.00702332	0.00702332	636,597	636,597	636,597	
2	LNP Access Query Charge	0	0.02000000	0.02000000	0.02000000	0	0	0	
3	SUB-TOTAL, 800 Database Basic					\$636,597	\$636,597	\$636,597	
4	SUB-TOTAL, Database Access					\$636,597	\$636,597	\$636,597	
SBI Calculation:		Source / Comme							
5	SBI(py) = SBI on last day of previous tariff year	Trans. 138 100.3628							
6	Proposed PCI (Non-Exogenous Only)	N/A N/A							
7	PCI(py) = PCI on last day of previous tariff year	Trans. 138 24.0861							
8	SBI Upper(t-1)	Trans. 138 105.4306							
9	Exogenous Change Targeted to Database Access	Exhibit 1.2-2, Line 4 0							
10	Exogenous Cost Change factor for SBI	1 + (Line 9 / Line 4 Col. E) 1.0000							
11	SBI(t-1) = Immed. preceeding SBI	Trans. 138 100.4336							
12	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 4 / Col. F Line 4 1.0000							
13	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 11 * Line 12 100.4336							
14	SBI Upper Limit	Line 8 * Line 10 105.4306							

Traffic Sensitive Basket Rate Element Detail

Trans. 140
Exhibit 3.2-7

Rate Elements		base period volumes 2002 A	prices in effect at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
Billing Name & Address									
1	BNA per order	0	28.00	28.00	28.00	0	0	0	
2	BNA Found/Each	0	0.40	0.40	0.40	0	0	0	
3	BNA Not Found/Each	0	0.40	0.40	0.40	0	0	0	
4	SUB-TOTAL, BNA					\$0	\$0	\$0	
SBI Calculation:		Source / Comments:							
5	SBI(py) = SBI on last day of previous tariff year	Trans. 138 46.4006							
6	Proposed PCI (Non-Exogenous Only)	N/A N/A							
7	PCI(py) = PCI on last day of previous tariff year	Trans. 138 24.0861							
8	SBI Upper(t-1)	Trans. 138 48.7206							
9	Exogenous Change Targeted to BNA	Exhibit 1.2-2, Line 8 0							
10	Exogenous Cost Change factor for SBI	1 + (Line 9 / Line 4 Col. E) 1.0000							
11	SBI(t-1) = Immed. preceeding SBI	Trans. 138 46.4006							
12	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 4 / Col. F Line 4 1.0000							
13	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 11 * Line 12 46.4006							
14	SBI Upper Limit	Line 8 * Line 10 48.7206							

Rate Element Detail

Exhibit 3.2-8

Rate Element Detail		base period volumes 2002 A	prices in effect at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
Trunk Ports									
1	Shared DS1 Port Charge - per MOU	375,228,466	0.00200000	0.00200000	0.00200000	750,457	750,457	750,457	
2	Multiplexers - (Trunk Side of End Office) - per MOU	346,351,919	0.00010000	0.00010000	0.00010000	34,635	34,635	34,635	
3	Dedicated VG (DSO) Port Charge	0	10.00	10.00	10.00	0	0	0	
4	Dedicated DS1 Port Charge	292.70	150.00	150.00	150.00	43,905	43,905	43,905	
5	Dedicated DS3 Port Charge	0.00	5,000.00	5,000.00	5,000.00	0	0	0	
6	SUB-TOTAL, Trunk Ports					\$828,997	\$828,997	\$828,997	
SBI Calculation:									
7	SBI(py) = SBI on last day of previous tariff year	Trans. 138							68.0037
8	Proposed PCI (Non-Exogenous Only)	N/A							N/A
9	PCI(py) = PCI on last day of previous tariff year	Trans. 138							24.0861
10	SBI Upper(t-1)	Trans. 138							33.2441
11	ATS Targeting to Trunk Ports	Exhibit 1.2-3, Line 3							0
12	Exogenous Cost Change factor for SBI	1 + (Line 11 / Line 6 Col. E)							1.0000
13	SBI(t-1) = Immed. preceeding SBI	Trans. 138							31.6611
14	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 6 / Col. F Line 6							1.0000
15	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 13 * Line 14							31.6611
16	SBI Upper Limit	Line 10 * Line 12							33.2441

Trans. 140
Exhibit 3.2-9

Exhibit 3.2-9

Rate Element Details		base period volumes 2002 A	prices in effect at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
STP Ports									
1	Signalling Transfer Point Port Termination	0	720.00	720.00	720.00	0	0	0	
2	SUB-TOTAL, STP Ports					\$0	\$0	\$0	
SBI Calculation:		Source / Comments:							
3	SBI(py) = SBI on last day of previous tariff year	Trans. 138							
4	Proposed PCI (Non-Exogenous Only)	N/A							
5	PCI(py) = PCI on last day of previous tariff year	Trans. 138							
6	SBI Upper(t-1)	Trans. 138							
7	ATS Targeting to STP Ports	Exhibit 1.2-3, Line 4							
8	Exogenous Cost Change factor for SBI	1 + (Line 7 / Line 2 Col. E)							
9	SBI(t-1) = Immed. preceeding SBI	Trans. 138							
10	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 2 / Col. F Line 2							
11	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 9 * Line 10							
12	SBI Upper Limit	Line 6 * Line 8							
13	GRAND TOTAL, Traffic Sensitive Basket					\$3,514,195	\$3,514,195	\$3,514,195	
Traffic Sensitive Basket API Calculation:		Source / Comments:							
14	API(t-1) = Immediately Preceeding API	Trans. 138							
15	[SUM (v)*(P(t)/P(t-1))] = API wtd. price ratio	Col. G Line 13 / Col. F Line 13							
16	API(t) = API(t-1) * [SUM(v) * (P(t)/P(t-1))]	Line 14 * Line 15							

Trunking Basket Rate Element Detail

Exhibit 3.2-10

Rate Elements		base period volumes 2002 A	prices in effect at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
Tandem Switched Transport Service Category:									
1	Termination - per Termination, per minute	777,541,877	0.00010000	0.00010000	0.00010000	77,754	77,754	77,754	
2	Facility - per Mile, per minute	10,362,125,000	0.00005000	0.00005000	0.00005000	518,106	518,106	518,106	
3	Tandem Switching per minute	84,370,693	0.00017103	0.00017103	0.00017103	14,430	14,430	14,430	
4	Shared Mux DS3 to DS1, per MOU	84,370,693	0.00000000	0.00000000	0.00000000	0	0	0	
5	Voice Grade Tandem Trunk Port	0.00	10.00	10.00	10.00	0	0	0	
6	DS1 Tandem Trunk Port	1,193.23	150.00	150.00	150.00	178,985	178,985	178,985	
7	DS3 Tandem Trunk Port	24.00	5,000.00	5,000.00	5,000.00	120,000	120,000	120,000	
8	SUB-TOTAL, Tandem Switched Transport					\$909,275	\$909,275	\$909,275	
Tandem Switched Transport SBI Calculation:									
9	SBI(py) = SBI on last day of previous tariff year	Trans. 138							39.6934
10	Proposed PCI (Non-Exogenous Only)	N/A							N/A
11	PCI(py) = PCI on last day of previous tariff year	Trans. 138							17.9252
12	SBI Upper(t-1)	Trans. 138							36.9370
13	ATS Targeting to Tandem Transport	Exhibit 1.2-3, Line 6							0
14	Exogenous Cost Change factor for SBI	1 + (Line 13 / Line 8 Col. E)							1.0000
15	SBI(t-1) = Immed. preceeding SBI	Trans. 138							36.2127
16	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 8 / Col. F Line 8							1.0000
17	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 15 * Line 16							36.2127
18	SBI Upper Limit	Line 12 * Line 14							36.9370

Citizens Telecommunications Companies - Group #2

Trunking Basket
Rate Element Detail

Trans. 140
Exhibit 3.2-11

Rate Elements	base period volumes 2002 A	prices at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
Voice Grade Service Category: Non-Density Zone								
1 VG Entrance facility -- 2 Wire	0.00	55.93	55.93	55.93	0	0	0	
2 VG Entrance facility -- 4 Wire	42.52	75.00	75.00	75.00	3,189	3,189	3,189	
3 VG Direct Trunked Termination	1,489.69	33.70	33.70	33.70	50,203	50,203	50,203	
4 VG Direct Trunked Facility	62,339.59	0.29	0.29	0.29	18,078	18,078	18,078	
5 VG Entrance Facility -- NRC	0	488.00	488.00	488.00	0	0	0	
6 VG Dir. Trk. Transport Activated, per service order	0	130.26	130.26	130.26	0	0	0	
7 SUB-TOTAL, Voice Grade					\$71,470	\$71,470	\$71,470	

Voice Grade SBI Calculation:		Source / Comments:	
8 SBI(py) = SBI on last day of previous tariff year	Trans. 138		99.1666
9 Proposed PCI (Non-Exogenous Only)	N/A		N/A
10 PCI(py) = PCI on last day of previous tariff year	Trans. 138		17.9252
11 SBI Upper(t-1)	Trans. 138		104.1249
12 ATS Targeting to Voice Grade	Exhibit 1.2-3, Line 7		0
13 Exogenous Cost Change factor for SBI	1 + (Line 12 / Line 7 Col. E)		1.0000
14 SBI(t-1) = Immed. preceeding SBI	Trans. 138		99.1666
15 Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 7 / Col. F Line 7		1.0000
16 SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 14 * Line 15		99.1666
17 SBI Upper Limit	Line 11 * Line 13		104.1249

Trunking Basket Rate Element Detail

Exhibit 3.2-12

Rate Elements		base period volumes 2002 A	prices at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
High Capacity & Other Service Category:									
DS 1 Non-Density Zone:									
1	DS1 Entrance facility	348.16	175.00	175.00	175.00	60,928	60,928	60,928	
2	DS1 Direct Trunked Termination	2,563.49	143.08	143.08	143.08	366,784	366,784	366,784	
3	DS1 Direct Trunked Facility	111,236.35	7.00	7.00	7.00	778,654	778,654	778,654	
4	Mux DS1 to voice	0.00	263.00	263.00	263.00	0	0	0	
5	Mux DS1 to voice -- NRC	0	417.00	417.00	417.00	0	0	0	
6	DS1 Entrance Facility -- NRC	0	600.00	600.00	600.00	0	0	0	
7	DS1 Dir Tr. Transport, per 24 Trunks Activated	4	50.91	50.91	50.91	204	204	204	
8	DS1 Dir. Trk. Transport Activated, per service order	68	130.26	130.26	130.26	8,833	8,833	8,833	
6	SUB-TOTAL, DS1 Service					\$1,215,403	\$1,215,403	\$1,215,403	
DS1 Subindex Calculation:									
7	SBI(py) = SBI on last day of previous tariff year	Trans. 138							83.4605
8	Proposed PCI (Non-Exogenous Only)	N/A							N/A
9	PCI(py) = PCI on last day of previous tariff year	Trans. 138							17.9252
10	SBI Upper(t-1)	Trans. 138							83.4246
11	ATS Targeting to DS1	Exhibit 1.2-3, Line 8							0
12	Exogenous Cost Change factor for SBI	1 + (Line 11 / Line 6 Col. E)							1.0000
13	SBI(t-1) = Immed. preceeding SBI	Trans. 138							79.4520
14	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 6 / Col. F Line 6							1.0000
15	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 13 * Line 14							79.4520
16	SBI Upper Limit	Line 10 * Line 12							83.4246

Trunking Basket Rate Element Detail

Trans. 140
Exhibit 3.2-13

Rate Elements	base period volumes 2002 A	prices at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
DS 3 Non-Density Zone:								
1 DS3 Entrance facility	10.8	1,400.00	1,400.00	1,400.00	15,120	15,120	15,120	
2 DS3 Direct Trunked Termination	0	900.00	900.00	900.00	0	0	0	
3 DS3 Direct Trunked Facility	0	129.00	129.00	129.00	0	0	0	
4 Mux DS3 to DS1, per month	9.84	1,406.16	1,406.16	1,406.16	13,837	13,837	13,837	
5 Mux DS3 to DS1 -- NRC	0.00	1,297.00	1,297.00	1,297.00	0	0	0	
6 DS3 Entrance Facility -- NRC	0	3,410.00	3,410.00	3,410.00	0	0	0	
7 DS3 Dir. Trk. Transport Activated, per service order	0	415.00	415.00	415.00	0	0	0	
8 SUB-Total, DS3 Service					\$28,957	\$28,957	\$28,957	
DS3 Subindex Calculation:								
9 SBI(py) = SBI on last day of previous tariff year	Trans. 138							6.5818
10 Proposed PCI (Non-Exogenous Only)	N/A							N/A
11 PCI(py) = PCI on last day of previous tariff year	Trans. 138							17.9252
12 SBI Upper(t-1)	Trans. 138							6.91093
13 ATS Targeting to DS3	Exhibit 1.2-3, Line 9							0
14 Exogenous Cost Change factor for SBI	1 + (Line 13 / Line 8 Col. E)							1.0000
15 SBI(t-1) = Immed. preceeding SBI	Trans. 138							6.5818
16 Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 8 / Col. F Line 8							1.0000
17 SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 15 * Line 16							6.5818
18 SBI Upper Limit	Line 12 * Line 14							6.91093

Trans. 140
Exhibit 3.2-14

Rate Element Detail		base period volumes 2002 A	prices at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
Other									
CCS/SS7 Signaling Mileage Facility per mile		0	2.17	2.17	2.17	0	0	0	
CCS/SS7 Signaling Mileage Termination per term		0	32.67	32.67	32.67	0	0	0	
CCS/SS7 Signaling Entrance Facility		0	107.80	107.80	107.80	0	0	0	
CCS/SS7 Signaling Entrance Facility NRC		0	347.02	347.02	347.02	0	0	0	
SUB-TOTAL, Other High Cap						\$0	\$0	\$0	
SUB-TOTAL, High Capacity & Other						\$1,244,360	\$1,244,360	\$1,244,360	
High Cap & Other SBI Calculation:		Source / Comments:							
SBI(py) = SBI on last day of previous tariff year		Trans. 138 67.4122							
Proposed PCI (Non-Exogenous Only)		N/A N/A							
PCI(py) = PCI on last day of previous tariff year		Trans. 138 17.9252							
SBI Upper(t-1)		Trans. 138 67.4586							
ATS Targeting to High Capacity		Exhibit 1.2-3, Sum of Lines 8..10 0							
Exogenous Cost Change factor for SBI		1 + (Line 11 / Line 6 Col. E) 1.0000							
SBI(t-1) = Immed. preceeding SBI		Trans. 138 64.2463							
Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio		Col. G Line 6 / Col. F Line 6 1.0000							
SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]		Line 13 * Line 14 64.2463							
SBI Upper Limit		Line 10 * Line 12 67.4586							
GRAND TOTAL, Trunking Basket						\$2,225,105	\$2,225,105	\$2,225,105	
Trunking Basket API Calculation:		Source / Comments:							
API(t-1) = Immediately Preceeding API		Trans. 138 16.7893							
[SUM (v) * (P(t) / P(t-1))] = API wtd.price ratio		Col. G Line 17 / Col. F Line 17 1.0000							
API(t) = API(t-1) * [SUM(v) * (P(t)/P(t-1))]		Line 18 * Line 19 16.7893							

Trans. 140
Exhibit 3.2-15

Rate Elements	base period volumes 2002 A	prices at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
VG/WATS/Metal/Teleg Service Category:								
1 VG Channel Termination, 2 Wire	893	55.93	55.93	55.93	49,945	49,945	49,945	
2 VG Channel Termination, 4 Wire	2,078	69.00	69.00	69.00	143,382	143,382	143,382	
3 Metallic Channel Termination	0	63.00	63.00	63.00	0	0	0	
4 VG Channel Mileage Termination, per term.	3,334	30.00	30.00	30.00	100,020	100,020	100,020	
5 Metallic Channel Mileage Termination, per term.	0	35.00	35.00	35.00	0	0	0	
6 VG Channel Mileage Facility, per mile	65,102	0.29	0.29	0.29	18,880	18,880	18,880	
7 Metallic Channel Mileage Facility, per mile	0	0.29	0.29	0.29	0	0	0	
8 VG Channel Term 4W NRC, per termination	14	488.00	488.00	488.00	6,832	6,832	6,832	
9 VG Channel Term 2W NRC, per termination	0	488.00	488.00	488.00	0	0	0	
10 VG 2W/4W Channel Term NRC, per order	14	130.26	130.26	130.26	1,824	1,824	1,824	
11 VG data bridging 2W/4W	82	1.00	1.00	1.00	82	82	82	
12 VG Voice bridging, 2W/4W	52	1.00	1.00	1.00	52	52	52	
13 VG C-type conditioning	48	1.00	1.00	1.00	48	48	48	
14 VG Improved Attenuation Distortion	0	7.74	7.74	7.74	0	0	0	
15 VG Improved Envelope Delay Distortion	0	7.74	7.74	7.74	0	0	0	
16 VG data capability	148	1.00	1.00	1.00	148	148	148	
17 VG Improved Return Loss for Effective 2w/4w	12	1.00	1.00	1.00	12	12	12	
18 VG Customer Specified Receive Level	24	1.00	1.00	1.00	24	24	24	
19 VG Signaling Capability	0	1.00	1.00	1.00	0	0	0	
20 VG Selective Signaling Arrangement	147	1.00	1.00	1.00	147	147	147	
21 VG Improved Term Option	0	11.09	11.09	11.09	0	0	0	
22 Metallic Channel Term NRC, per termination	0	488.00	488.00	488.00	0	0	0	
23 Metallic Channel Term NRC, per order	0	130.26	130.26	130.26	0	0	0	
24 SUB-TOTAL, VG/WATS/METLL/TELEG					\$321,396	\$321,396	\$321,396	
VG/WATS/Metallic/Teleg. SBI Calculation:								
25 SBI(py) = SBI on last day of previous tariff year	Trans. 138							88.1640
26 Proposed PCI (Non-Exogenous Only)	N/A							N/A
27 PCI(py) = PCI on last day of previous tariff year	Trans. 138							51.2689
28 SBI Upper(t-1)	Trans. 138							87.8610
29 Exogenous Change Targeted to Voice Grade	Exhibit 1.2-2, Line 12							0
30 Undesignated Exog. Chg for Special Access Basket	Exhibit 1.2-2, Line 17							0
31 Exogenous Cost Change factor for SBI	1 + (Line 29 / Line 24 Col. E) + (Line 30 / Exhibit 3.2-19 Line 65 Col. E)							1.0000
32 SBI(t-1) = Immed. preceeding SBI	Trans. 138							87.1148
33 Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 24 / Col. F Line 24							1.0000
34 SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 32 * Line 33							87.1148
35 SBI Upper Limit	Line 28 * Line 31							87.8610

Trans. 140
Exhibit 3.2-16

Rate Element Detail		base period volumes 2002 A	prices at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
Rate Elements									
Audio/Video Service Category:									
1	PA Channel Termination mo 200-3500 HZ	0	35.65	35.65	35.65	0	0	0	
2	PA Channel Termination mo 100-5000 HZ	0	38.69	38.69	38.69	0	0	0	
3	PA Channel Termination mo 50-8000 HZ	0	38.69	38.69	38.69	0	0	0	
4	PA Channel Termination mo 50-15000 HZ	0	38.69	38.69	38.69	0	0	0	
5	PA Channel Termination dly 200-3500 HZ	0	3.55	3.55	3.55	0	0	0	
6	PA Channel Termination dly 100-5000 HZ	0	3.86	3.86	3.86	0	0	0	
7	PA Channel Termination dly 50-8000 HZ	0	3.86	3.86	3.86	0	0	0	
8	PA Channel Termination dly 50-15000 HZ	0	3.86	3.86	3.86	0	0	0	
9	PA Channel Mlg. Termination mo 200-3500 HZ	0	35.38	35.38	35.38	0	0	0	
10	PA Channel Mlg. Termination mo 100-5000 HZ	0	70.46	70.46	70.46	0	0	0	
11	PA Channel Mlg. Termination mo 50-8000 HZ	9	104.63	104.63	104.63	942	942	942	
12	PA Channel Mlg. Termination mo 50-15000 HZ	0	140.93	140.93	140.93	0	0	0	
13	PA Channel Mlg. Termination dly 200-3500 HZ	0	3.53	3.53	3.53	0	0	0	
14	PA Channel Mlg. Termination dly 100-5000 HZ	0	7.05	7.05	7.05	0	0	0	
15	PA Channel Mlg. Termination dly 50-8000 HZ	0	10.57	10.57	10.57	0	0	0	
16	PA Channel Mlg. Termination dly 50-15000 HZ	0	14.09	14.09	14.09	0	0	0	
17	PA Channel Mlg. Facility mo 200-3500 HZ	0	0.30	0.30	0.30	0	0	0	
18	PA Channel Mlg. Facility mo 100-5000 HZ	0	0.59	0.59	0.59	0	0	0	
19	PA Channel Mlg. Facility mo 50-8000 HZ	0	0.89	0.89	0.89	0	0	0	
20	PA Channel Mlg. Facility mo 50-15000 HZ	0	1.18	1.18	1.18	0	0	0	
21	PA Channel Mlg. Facility dly 200-3500 HZ	0	0.03	0.03	0.03	0	0	0	
22	PA Channel Mlg. Facility dly 100-5000 HZ	0	0.06	0.06	0.06	0	0	0	
23	PA Channel Mlg. Facility dly 50-8000 HZ	0	0.09	0.09	0.09	0	0	0	
24	PA Channel Mlg. Facility dly 50-15000 HZ	0	0.12	0.12	0.12	0	0	0	
25	PA Channel Termination 200-3500 HZ NRC	0	741.01	741.01	741.01	0	0	0	
26	PA Channel Termination 100-5000 HZ NRC	0	741.01	741.01	741.01	0	0	0	
27	PA Channel Termination 50-8000 HZ NRC	0	741.01	741.01	741.01	0	0	0	
28	PA Channel Termination 50-15000 HZ NRC	0	741.01	741.01	741.01	0	0	0	
29	PA Channel Termination, NRC per order	0	130.26	130.26	130.26	0	0	0	
30	PA gain conditioning, monthly	0	12.00	12.00	12.00	0	0	0	
31	PA gain conditioning, daily	0	1.20	1.20	1.20	0	0	0	
32	SUB-TOTAL, Audio/Video					\$942	\$942	\$942	
Audio/Video SBI Calculation:		Source / Comments:							
33	SBI(py) = SBI on last day of previous tariff year	Trans. 138							
34	Proposed PCI (Non-Exogenous Only)	N/A							
35	PCI(py) = PCI on last day of previous tariff year	Trans. 138							
36	SBI Upper(t-1)	Trans. 138							
37	Exogenous Change Targeted to Audio/Video	Exhibit 1.2-2, Line 13							
38	Undesignated Exoq. Chq for Special Access Basket	Exhibit 1.2-2, Line 17							
39	Exogenous Cost Change factor for SBI	1 + (Line 37 / Line 32 Col. E) + (Line 38 / Exhibit 3.2-19 Line 65 Col. E)							
40	SBI(t-1) = Immed. preceeding SBI	Trans. 138							
41	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 32 / Col. F Line 32							

Citizens Telecommunications Companies - Group #2

Special Access Basket

Rate Element Detail

Trans. 140
Exhibit 3.2-16

		base period volumes 2002	prices at last PCI update	current prices	proposed prices	revenue at last PCI update	revenue at current prices	revenue at proposed prices	Index Calculation
	Rate Elements	A	B	C	D	E = A * B	F = A * C	G = A * D	H
42	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 40 * Line 41							98.2135
43	SBI Upper Limit	Line 36 * Line 39							98.2221

Trans. 140
Exhibit 3.2-17

Rate Element Details		base period volumes 2002 A	prices at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
High Capacity/DDS Service Category: DS 1 Non-Density Zone:									
1	DS1 Channel Termination	9,235	175.00	175.00	175.00	1,616,125	1,616,125	1,616,125	
2	DS1 Channel Mileage Termination	8,805	143.08	143.08	143.08	1,259,819	1,259,819	1,259,819	
3	DS1 Channel Mileage Facility	287,934	7.00	7.00	7.00	2,015,535	2,015,535	2,015,535	
4	DS1 Channel Termination NRC per termination	271	600.00	600.00	600.00	162,600	162,600	162,600	
5	DS1 Channel Termination NRC per order	271	130.36	130.36	130.36	35,328	35,328	35,328	
6	Mux DS1 to voice	193	263.00	263.00	263.00	50,759	50,759	50,759	
7	Mux DS1 to voice NRC	0	417.00	417.00	417.00	0	0	0	
8	Mux DS1 to DS0	44	263.00	263.00	263.00	11,572	11,572	11,572	
9	Mux DS1 to DS0 NRC	0	417.00	417.00	417.00	0	0	0	
10	Automatic Loop Transfer, per termination	0	143.05	143.05	143.05	0	0	0	
11	Clear Channel Capability	6,388	0.00	0.00	0.00	0	0	0	
12	Clear Channel Capability NRC	0	538.19	538.19	538.19	0	0	0	
13	SUB-TOTAL, DS1 Service					\$5,151,738	\$5,151,738	\$5,151,738	
DS1 Subindex Calculation:		Source / Comments:							
14	SBI(py) = SBI on last day of previous tariff year	Trans. 138 85.1196							
15	Proposed PCI (Non-Exogenous Only)	N/A N/A							
16	PCI(py) = PCI on last day of previous tariff year	Trans. 138 51.2689							
17	SBI Upper(t-1)	Trans. 138 84.8271							
18	Exogenous Change Targeted to Hi Cap	Exhibit 1.2-2, Line 14 0							
19	Undesignated Exog. Chq for Special Access Basket	Exhibit 1.2-2, Line 17 0							
20	Exogenous Cost Change factor for SBI	1 + (Line 18 / Exhibit 3.2-19 Line 53 Col. E) + (Line 19 / Exhibit 3.2-19 Line 65 Col. E) 1.0000							
21	SBI(t-1) = Immed. preceeding SBI	Trans. 138 79.5037							
22	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 13 / Col. F Line 13 1.0000							
23	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 21 * Line 22 79.5037							
24	SBI Upper Limit	Line 17 * Line 20 84.8271							

Trans. 140
Exhibit 3.2-18

Rate Elements	base period volumes 2002 A	prices at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
DS 3 Non-Density Zone:								
1 DS3 Channel Termination	100	1,400.00	1,400.00	1,400.00	140,000	140,000	140,000	
2 DS3 Channel Mileage Termination	98	900.00	900.00	900.00	88,200	88,200	88,200	
3 DS3 Channel Mileage Facility	755	120.00	120.00	120.00	90,559	90,559	90,559	
4 DS3 Channel Termination NRC per termination	3	3,410.00	3,410.00	3,410.00	10,230	10,230	10,230	
5 DS3 Channel Termination NRC per order	2	415.00	415.00	415.00	830	830	830	
6 Mux DS3 to DS1	12	1,406.16	1,406.16	1,406.16	16,874	16,874	16,874	
7 Mux DS3 to DS1 NRC	0	1,297.00	1,297.00	1,297.00	0	0	0	
8 SUB-Total, DS3 Service					\$346,693	\$346,693	\$346,693	
DS3 Subindex Calculation:		Source / Comments:						
9 SBI(py) = SBI on last day of previous tariff year	Trans. 138							85.8474
10 Proposed PCI (Non-Exogenous Only)	N/A							N/A
11 PCI(py) = PCI on last day of previous tariff year	Trans. 138							51.2689
12 SBI Upper(t-1)	Trans. 138							85.5523
13 Exogenous Change Targeted to Hi Cap	Exhibit 1.2-2, Line 14							0
14 Undesignated Exog. Chq for Special Access Basket	Exhibit 1.2-2, Line 17							0
15 Exogenous Cost Change factor for SBI	1 + (Line 13 / Exhibit 3.2-19Line 53 Col. E) + (Line 14 / Exhibit 3.2-19 Line 65 Col. E)							1.0000
16 SBI(t-1) = Immed. preceeding SBI	Trans. 138							84.3780
17 Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 8 / Col. F Line 8							1.0000
18 SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 16 * Line 17							84.3780
19 SBI Upper Limit	Line 12 * Line 15							85.5523

Citizens Telecommunications Companies - Group #2

Special Access Basket

Rate Element Detail

Trans. 140
Exhibit 3.2-19

Rate Elements	base period volumes 2002 A	prices at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
DDS & Other								
1 DDS Channel Termination 2.4 Kbps	62	70.75	70.75	70.75	4,387	4,387	4,387	
2 DDS Channel Termination 4.8 Kbps	0	70.75	70.75	70.75	0	0	0	
3 DDS Channel Termination 9.6 Kbps	175	70.75	70.75	70.75	12,381	12,381	12,381	
4 DDS Channel Termination 19.2 Kbps	0	70.75	70.75	70.75	0	0	0	
5 DDS Channel Termination 56 Kbps	6,309	70.75	70.75	70.75	446,362	446,362	446,362	
6 DDS Channel Termination 64 Kbps	137	70.75	70.75	70.75	9,693	9,693	9,693	
7 OC-3 Channel Termination	0	3,200.00	3,200.00	3,200.00	0	0	0	
8 OC-3c Channel Termination	0	3,000.00	3,000.00	3,000.00	0	0	0	
9 DDS Channel Mileage Termination 2.4 Kbps	40	38.50	38.50	38.50	1,540	1,540	1,540	
10 DDS Channel Mileage Termination 4.8 Kbps	0	38.50	38.50	38.50	0	0	0	
11 DDS Channel Mileage Termination 9.6 Kbps	175	38.50	38.50	38.50	6,738	6,738	6,738	
12 DDS Channel Mileage Termination 19.2 Kbps	20	38.50	38.50	38.50	770	770	770	
13 DDS Channel Mileage Termination 56 Kbps	6,503	65.00	65.00	65.00	422,695	422,695	422,695	
14 DDS Channel Mileage Termination 64 Kbps	136	65.00	65.00	65.00	8,840	8,840	8,840	
15 OC-3 Channel Mileage Termination	0	2,000.00	2,000.00	2,000.00	0	0	0	
16 OC-3c Channel Mileage Termination	0	2,000.00	2,000.00	2,000.00	0	0	0	
17 DDS Channel Mileage Facility 2.4 Kbps	172	0.35	0.35	0.35	60	60	60	
18 DDS Channel Mileage Facility 4.8 Kbps	0	0.35	0.35	0.35	0	0	0	
19 DDS Channel Mileage Facility 9.6 Kbps	4,317	0.35	0.35	0.35	1,511	1,511	1,511	
20 DDS Channel Mileage Facility 19.2 Kbps	0	0.35	0.35	0.35	0	0	0	
21 DDS Channel Mileage Facility 56 Kbps	225,155	0.65	0.65	0.65	146,351	146,351	146,351	
22 DDS Channel Mileage Facility 64 Kbps	2,196	0.65	0.65	0.65	1,427	1,427	1,427	
23 OC-3 Channel Mileage Facility	0	280.00	280.00	280.00	0	0	0	
24 OC-3c Channel Mileage Facility	0	280.00	280.00	280.00	0	0	0	
25 DDS Channel Termination 2.4 Kbps NRC	0	519.21	519.21	519.21	0	0	0	
26 DDS Channel Termination 4.8 Kbps NRC	0	519.21	519.21	519.21	0	0	0	
27 DDS Channel Termination 9.6 Kbps NRC	0	519.21	519.21	519.21	0	0	0	
28 DDS Channel Termination 19.2 Kbps NRC	0	519.21	519.21	519.21	0	0	0	
29 DDS Channel Termination 56 Kbps NRC	124	519.21	519.21	519.21	64,382	64,382	64,382	
30 DDS Channel Termination 64 Kbps NRC	0	519.21	519.21	519.21	0	0	0	
31 DDS Channel Termination NRC per order	124	130.26	130.26	130.26	16,152	16,152	16,152	
32 Central Offic Bridging, per Port	0	12.72	12.72	12.72	0	0	0	
33 OC-3 to DS3 Multiplexing	0	1,500.00	1,500.00	1,500.00	0	0	0	
34 OC-3 to DS1 Multiplexing	0	1,800.00	1,800.00	1,800.00	0	0	0	
35 OC-3 to DS3 Multiplexing NRC	0	1,297.00	1,297.00	1,297.00	0	0	0	
36 OC-3 to DS1 Multiplexing NRC	0	1,297.00	1,297.00	1,297.00	0	0	0	
37 NID Replacement NRC	0	99.00	99.00	99.00	0	0	0	
33 Service Date Change - NRC	0	12.38	12.38	12.38	0	0	0	
34 Design Change Charge - NRC	1	31.76	31.76	31.76	32	32	32	
35 Cancellation Charge - NRC	17	402.75	402.75	402.75	6,847	6,847	6,847	
36 Restoration Priority	0	4.90	4.90	4.90	0	0	0	
37 Add'l Engineering, per 1/2 hour, Basic	0	30.19	30.19	30.19	0	0	0	
38 Add'l Engineering, per 1/2 hour, Overtime	0	45.29	45.29	45.29	0	0	0	
39 Add'l Engineering, per 1/2 hour, Premium	0	60.38	60.38	60.38	0	0	0	
40 Add'l Labor, per 1/2 hour per technician, Basic	19	23.51	23.51	23.51	453	453	453	
41 Add'l Labor, per 1/2 hour per technician, Overtime	0	35.27	35.27	35.27	0	0	0	

Trans. 140
Exhibit 3.2-19

Rate Element		base period volumes 2002 A	prices at last PCI update B	current prices C	proposed prices D	revenue at last PCI update E = A * B	revenue at current prices F = A * C	revenue at proposed prices G = A * D	Index Calculation H
42	Add'l Labor, per 1/2 hour per technician, Premium	0	47.02	47.02	47.02	0	0	0	
43	Add'l Testing, per 1/2 hour per technician, Basic	0	23.51	23.51	23.51	0	0	0	
44	Add'l Testing, per 1/2 hour per technician, Overtime	0	35.27	35.27	35.27	0	0	0	
45	Add'l Testing, per 1/2 hour per technician, Premium	0	47.02	47.02	47.02	0	0	0	
46	Standby, per 1/2 hour per technician, Basic	0	23.51	23.51	23.51	0	0	0	
47	Standby, per 1/2 hour per technician, Overtime	0	35.27	35.27	35.27	0	0	0	
48	Standby, per 1/2 hour per technician, Premium	0	47.02	47.02	47.02	0	0	0	
49	Programming, per 1/2 hour per programmer, Basic	0	23.51	23.51	23.51	0	0	0	
50	Programming, per 1/2 hour per programmer, Overtime	0	35.27	35.27	35.27	0	0	0	
51	Programming, per 1/2 hour per programmer, Premium	0	47.02	47.02	47.02	0	0	0	
52	SUB-TOTAL, Other High Cap & DDS					\$1,150,619	\$1,150,619	\$1,150,619	
53	SUB-TOTAL, High Capacity/DDS					\$6,649,050	\$6,649,050	\$6,649,050	
High Cap/DDS SBI Calculation:		Source / Comments:							
54	SBI(py) = SBI on last day of previous tariff year	Trans. 138							86.5921
55	Proposed PCI (Non-Exogenous Only)	N/A							N/A
56	PCI(py) = PCI on last day of previous tariff year	Trans. 138							51.2689
57	SBI Upper(t-1)	Trans. 138							86.2945
58	Exogenous Change Targeted to Hi Cap	Exhibit 1.2-2, Line 14							0
59	Undesignated Exog. Chq for Special Access Basket	Exhibit 1.2-2, Line 17							0
60	Exogenous Cost Change factor for SBI	1 + (Line 58 / Line 53 Col. E) + (Line 59 / Line 65 Col. E)							1.0000
61	SBI(t-1) = Immed. preceeding SBI	Trans. 138							82.0282
62	Sum[V * P(t) / P(t-1)] = SBI wtd. price ratio	Col. G Line 53 / Col. F Line 53							1.0000
63	SBI(t) = SBI(t-1)*Sum[V*P(t)/P(t-1)]	Line 61 * Line 62							82.0282
64	SBI Upper Limit	Line 57 * Line 60							86.2945
65	GRAND TOTAL, Special Access Basket					\$6,971,387	\$6,971,387	\$6,971,387	
Special Access Basket API Calculation:		Source / Comments:							
66	API(t-1) = Immediately Preceeding API	Trans. 138							48.6597
67	[SUM (v) * (P(t) / P(t-1)) = API wtd.price ratio	Col. G Line 65 / Col. F Line 65							1.0000
68	API(t) = API(t-1) * [SUM(v) * (P(t)/P(t-1))]	Line 66 * Line 67							48.6599