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CALLS Analysis

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Calls Model

This study compares access rates and revenues under the current rules (BASE CASE) with access rates and revenues that would occur under the Coalition for Affordable Local and Long Distance Service (CALLS) plan. The estimates utilize the Delphi-based programs and the spreadsheet quantity estimator discussed below. The analysis was performed individually for each of 70 Tariff Review Plan (TRP) areas. Inputs reflect the January 1, 2000 access changes as well as current universal service funding levels. The CALLS plan implemented in the code is based on the version released on March 8, 2000 by DA 00-533. Appendix A lists the assumptions made to resolve ambiguities in the March 8 version of CALLS.

The central effort was the development of two special purpose tools. The first tool is an access rate calculator. Starting with historic information on rates, revenues, lines and minutes in each TRP area, this tool calculates the prices of dozens of access rate elements for each area. These individual "rate elements" were then combined into the eight broader aggregates summarized in the graphs and appendixes. This calculator was constructed using Delphi-based programming. The calculator generates a different set of access prices for each alternative set of access charge rules.

The second tool is a growth module. This is a Lotus spreadsheet that incorporates information on demand elasticities, universal service requirements and historical growth rates. This growth module is used to estimate how future demand levels will change as a result of access rate changes. Appendix B details the assumptions used in this spreadsheet.

Using these two tools to estimate changes over time requires a series of iterations. The results of the rate calculator are used in the growth module to estimate demand levels for the subsequent period. The resulting demand levels, in turn, are fed back into the calculator to determine the access rates for the next period. This process is repeated until the end of the study period. Combined, the tools are a cumbersome model that allows us to compare scenarios over a five-year period.

In many instances, existing rules allow carriers considerable flexibility in setting their access charges. Carriers may choose to calculate most rates using data for

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¹ The carriers subject to price cap regulations are allowed to file either by study area or by groups of study areas. The filings are called Tariff Review Plans (TRPs). Approximately 94% of the nation's local telephone lines are in the 70 TRP areas covered in this analysis.

² The resulting aggregates are the Primary and Single Line Business Subscriber Line Charge (SLC); the Non-Primary SLC; the Multiline Business SLC; the Primary and Single Line Business Presubscribed Interexchange Carrier Charge (PICC); Non-Primary PICC; Multiline Business PICC; Total Charge per Originating Access Minute; and Total Charge per Terminating Access Minute.

³ In actuality, the CALLS proposal is substantially different from existing access charge rules. Therefore, it was more efficient to develop two access calculators--one for analyzing the CALLS proposal and one to analyze the BASE CASE.

individual study areas or pooled for broad groupings of study areas. Thus, carriers evaluate many permutations of choices to maximize their potential profitability. As a result, for example, Bell Atlantic chooses to charge separate Subscriber Line Charge (SLC) rates for each of its Bell Atlantic South study areas, uniform SLC rates for each of its Bell Atlantic North study areas, and uniform Presubscribed Interexchange Carrier Charge (PICC) rates for all of its study areas. Carriers would continue to have flexibility under the CALLS rules.

While existing rules require some calculations to be made at the study area level, carriers are not required to file with the Commission all information underlying their calculations. This means that we had to construct models at the TRP level rather than at the more detailed state or study area level. We also are unable to evaluate the relative profitability of, or possible marketing strategies underlying, various choices carriers might make. These factors have required us to adopt a number of standardized interpretations of rules to limit the actual choices available. Similarly, these factors required us to assume that carriers rates of return would remain above 10.25% rate that triggers the low end adjustment mechanism.

Access Scenarios

"BASE CASE"

The first scenario is termed the BASE CASE. It assumes that the annual productivity factor ("X Factor") of 6.5 percent would remain in place. No changes are made in access rules except that, because of a recent court order, 4 Universal Service Fund (USF) contributions are based only on interstate revenues. 5

"CALLS"

The CALLS Coalition proposes a significant departure from the existing access rules for major carriers that are currently under price cap regulation rather than traditional rate of return regulation. In general, the plan increases fixed monthly charges for

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⁴ Texas Office of Pub. Util. Counsel v. FCC, 183 F.3d 393 (5th Cir. 1999).

⁵ Carriers may use other strategies to recover their USF responsibilities. All scenarios assume that LECs will recover contributions associated with subscriber line charges (SLCs) through percentage surcharges on end users. All scenarios also assume that toll carriers will recover contributions associated with toll charges through percentage surcharges on toll rates and that they will recover PICC charges through flat-rated PICC pass-through charges.

⁶ Under the CALLS proposal, some LECs could elect to remain under the existing price cap rules. The analytical effort in this study, however, applies the CALLS plan to all price cap carriers. In addition, some carriers will be eligible for the small rural carrier safeguard and the transitional safeguard for carriers with above average reductions in cost. based upon CCB-CPD discussions with the CALLS coalition See

primary residential and single line business access lines, but reduces fixed monthly charges for non-primary residential and multiline business access lines. At the same time, it reduces per minute charges. Under current rules, productivity improvements result in lower access charges. Under the CALLS plan, productivity offsets would be eliminated once the phase in of other proposed changes was completed. Finally, the CALLS plan employs a new Universal Service Fund Access payment of \$650 million per year to be redistributed among participating carriers. The CALLS plan also would increase universal service outlays because the lifeline program benefits automatically would increase to match increases in the federal subscriber line charge.

Growth

The CALLS proposal was accompanied by 5-year projections. CALLS has not provided the underlying data and the formulas used to make these projections. It is clear, however, that the projections are based on the assumption that there will be no change in the number of lines or minutes provided by the ILECs. This "no growth" assumption is useful for highlighting mechanics of plans without considering changes that occur because of relative changes in the demand for service by region or by access rate element. Growth, however, has a tremendous impact on the level of access revenues and carrier profits that should be anticipated under the various scenarios.

The demand module uses trend growth rates along with information on base period rates to calculate percentage changes in local and toll rates for residential and business customers. Calculations by TRP area are made to determine how changes in SLCs, PICC pass-through charges, access reductions, and changes in universal service surcharges would translate to percentage changes in local and toll charges to end users. These percentage changes are compared with trend rate changes. Changes relative to the trend are combined with elasticity of demand information to estimate changes in quantities, again, relative to trend changes. For example, a reduction in local rates would tend to increase the number of primary residential lines. This, in turn, would tend to increase the number of toll minutes. Toll rates declining faster than the trend would also tend to increase minutes. New quantities are translated to key growth rates in lines and minutes, which are then used by the access rate calculators to determine access rates for the next period. The process is repeated until rates and quantities are projected through the end of the study period.

Appendix A. Access rates under CALLS would be higher if additional carriers qualified for these safeguards.

⁷ The fixed monthly charges consist of subscriber line charges (SLCs) and presubscribed interexchange carrier charges (PICCs). While the CALLS plan immediately eliminates residential PICCs and reduces the industry Multiline Business PICC cap, it raises the industry caps on residential SLCs. The CALLS plan calls for an immediate freeze on the Multiline Business industry SLC cap.

⁸ As discussed in Appendix A, we distributed the \$650 million by carrier based on the actual distributions shown in the spreadsheet associated with the original CALLS proposal. We distributed carrier amounts to the TRP level based on January 1, 2000 common line revenues. We use this distribution for all periods in the model. The \$650 million is funded by increasing the universal service contribution factor.

Figures and Appendixes

Chart 1 shows SLCs as a percentage of price cap LEC access revenues for 1984 through 1998, and projections based on the models. Chart 2 shows similar information for PICC charges and Chart 3 shows SLCs and PICCs combined. Graphs 1 through 27 present detailed comparisons of revenue, rates and usage under CALLS and the BASE CASE. Where amounts are discounted to the present, 11.25% was used as the discount rate because it is the authorized rate of return for price cap LEC interstate services. Appendix A summarizes assumptions made in modeling the CALLS proposal. Appendix B provides the assumptions that underlie the spreadsheet growth module. Appendix C shows estimates of the cost of telephone service for residential customers with different levels of assumed usage. Appendix D shows revenue estimates for individual carriers. Appendix E shows projected access rates by TRP for each July.

The five-year projections shown in the graphs and tables are solely intended to compare scenarios under a common set of assumptions. The results for future years should not in any way be taken as forecasts. No attempt has been made to assess how major structural changes in the industry might play out. Indeed, if local competition develops rapidly, market forces could lead to major changes in how both local and toll carriers price services.

Charts and Graphs

Chart 1: SLC Revenues as a Percentage of LEC Interstate Access Revenues *

	Statistics of Comn	nunications Com	mon Carriers		Base Case			CALLS	
	Total Interstate Access Revenues	Interstate SLC * Revenues	Percent SLC	Interstate Access Revenues	Interstate SLC Revenues	Percent SLC	Interstate Access Revenues	Interstate SLC Revenues	Percent SLC
1984 1985 1986 1987 1988 1989 1990 1991 1992 1993	\$15.1 \$17.4 \$18.7 \$18.9 \$19.5 \$19.4 \$19.2 \$19.3 \$19.8 \$20.4	\$0.7 \$1.8 \$2.9 \$3.7 \$4.3 \$5.3 \$5.7 \$5.9 \$6.0 \$6.4	5% 10% 15% 20% 22% 27% 29% 30% 31% 31%						
1994 1995 1996 1997 1998 1999-2000	\$21.4 \$22.2 \$23.3 \$24.0 \$25.4	\$6.8 \$7.1 \$7.3 \$7.7 \$9.5	32% 32% 31% 32% 37%	\$26.3	\$10.1	38%	\$26.3	\$10.1	38%
2000-2001 2001-2002 2002-2003 2003-2004 2004-2005				\$25.3 \$25.4 \$25.6 \$25.8 \$26.0	\$10.6 \$10.8 \$11.1 \$11.5 \$11.9	42% 42% 43% 45% 46%	\$24.6 \$24.8 \$25.5 \$26.4 \$27.7	\$11.0 \$12.2 \$13.7 \$14.7 \$15.5	45% 49% 54% 56% 56%

^{*} SLC revenues for 1984 through 1998 are based on interstate end-user revenue reported by large incumbent local exchange carriers (ILECs), initially in FCC Form M and then in FCC ARMIS reports. In 1998, a minority of carriers reported PICC revenues in the end-user category. Carriers whose data are contained in the SOCC represent about 94% of the industry and roughly equate to the carriers subject to price caps and covered by this study. July 1999 through June 2000 estimates were based on model calculations.

Chart 2: PICC Revenues as a Percentage of LEC Interstate Access Revenues

	Statistics of Comm	nunications Com	mon Carriers		Base Case			CALLS	
	Total Interstate Access Revenues	PICC Revenues	Percent PICC	Interstate Access Revenues	PICC Revenues	Percent PICC	Interstate Access Revenues	PICC Revenues	Percent PICC
1984	\$15.1	\$0.0	0%						
1985	\$17.4	\$0.0	0%						
1986	\$18.7	\$0.0	0%						
1987	\$18.9	\$0.0	0%						
1988	\$19.5	\$0.0	0%						
1989	\$19.4	\$0.0	0%						
1990	\$19.2	\$0.0	0%						
1991 1992	\$19.3	\$0.0	0% 0%						
1992	\$19.8	\$0.0	0%						
1993	\$20.4 \$21.4	\$0.0 \$0.0	0%						
1995	\$22.2	\$0.0	0%						
1996	\$23.3	\$0.0	0%						
1997	\$24.0	\$0.0	0%						
1998	\$25.4	\$2.0	8%						
1999-2000	Ψ25.4	Ψ2.0	070	\$26.3	\$2.7	10%	\$26.3	\$2.7	10%
2000-2001				\$25.3	\$2.3	9%	\$24.6	\$1.5	6%
2001-2002				\$25.4	\$2.3	9%	\$24.8	\$1.1	4%
2002-2003				\$25.6	\$2.2	8%	\$25.5	\$0.4	1%
2003-2004				\$25.8	\$1.9	7%	\$26.4	\$0.2	1%
2004-2005				\$26.0	\$1.7	7%	\$27.7	\$0.2	1%

Chart 3: Revenue Collected on a Per line Basis (SLC + PICC) as a Percentage of LEC Interstate Access Revenues

as a Percentage of LEC Interstate Access Revenues										
	Statistics of Comm	unications Co	mmon Carriers		Base Case			CALLS		
	Revenues	Access	Line Access	Revenues	Access	Line Access	Revenues	Access	Line Access	
1984	\$15.1	\$0.7	5%							
1985	\$17.4	\$1.8	10%							
1986	\$18.7	\$2.9	15%							
1987	\$18.9	\$3.7	20%							
1988	\$19.5	\$4.3	22%							
1989	\$19.4	\$5.3	27%							
1990	\$19.2	\$5.7	29%							
1991	\$19.3	\$5.9	30%							
1992	\$19.8	\$6.0	31%							
1993	\$20.4	\$6.4	31%							
1994	\$21.4	\$6.8	32%							
1995	\$22.2	\$7.1	32%							
1996	\$23.3	\$7.3	31%							
1997	\$24.0	\$7.7	32%							
1998	\$25.4	\$11.5	45%							
1999-2000				\$26.3	\$12.8	49%	\$26.3	\$12.8	49%	
2000-2001				\$25.3	\$12.9	51%	\$24.6	\$12.5		
2001-2002				\$25.4	\$13.1	52%	\$24.8	\$13.3	54%	
2002-2003				\$25.6	\$13.3	52%	\$25.5	\$14.1	55%	
2003-2004				\$25.8	\$13.4		\$26.4	\$14.9		
2004-2005				\$26.0	\$13.6		\$27.7	\$15.7		

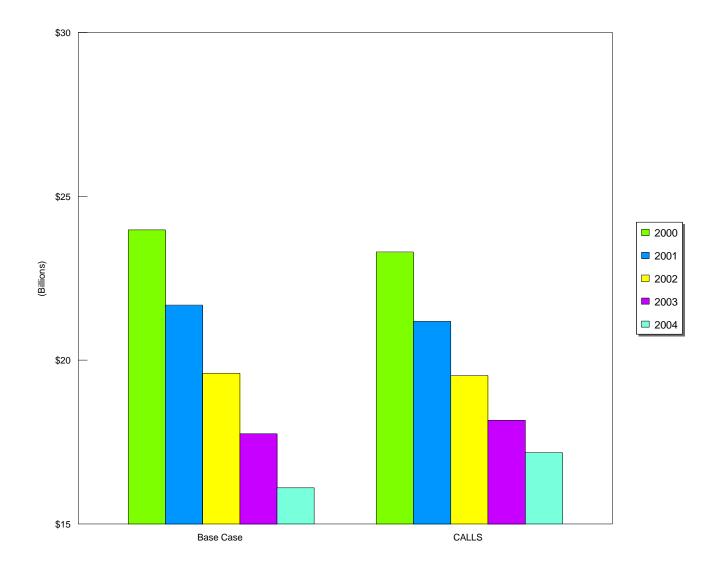
Total Access Revenue for Price Cap Carriers * Discounted Present Values **

Graph 1

	July 2000 to	July 2001 to	July 2002 to	July 2003 to	July 2004 to	Total
	June 2001	June 2002	June 2003	June 2004	June 2005	Present
	(billions)	(billions)	(billions)	(billions)	(billions)	Value
Base Case	\$24.0	\$21.7	\$19.6	\$17.8	\$16.1	\$99.1
CALLS	\$23.3	\$21.2	\$19.5	\$18.2	\$17.2	\$99.4
						1

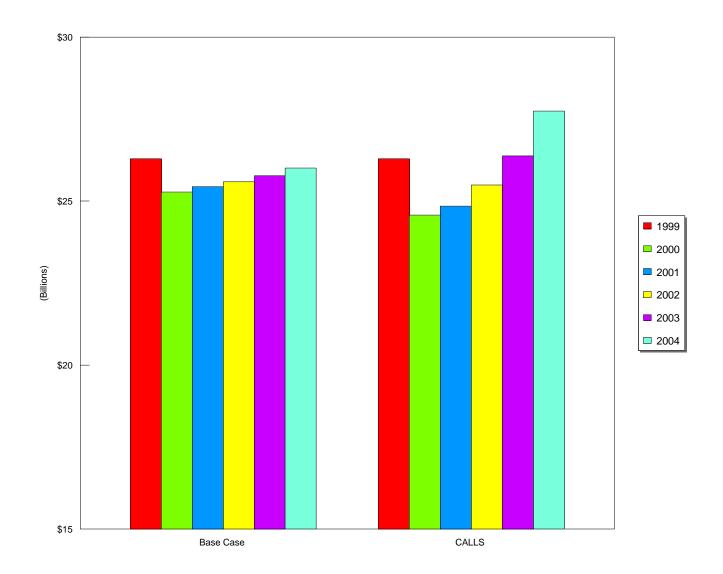
^{*} CALLS totals include the proposed Access-USF payments, at \$650 million per year. All figures assume that no LEC qualifies for exogenous rate increases that can occur when the interstate rate of return falls below 10.25%.

** Figures shown discounted to July 1, 2000 with an annual discount rate of 11.25%.



July 1999 to June 2000 (billions) \$26.3	July 2000 to June 2001 (billions)	July 2001 to June 2002 (billions)	July 2002 to June 2003 (billions)	July 2003 to June 2004 (billions)	July 2004 to June 2005 (billions)	Total
Base Case	\$25.3	\$25.4	\$25.6	\$25.8	\$26.0	\$128.1
CALLS	\$24.6	\$24.8	\$25.5	\$26.4	\$27.7	\$129.1

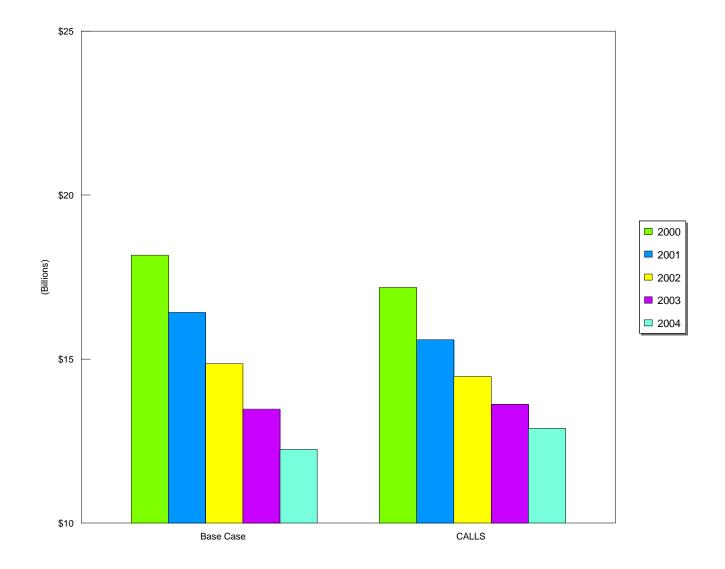
^{*} CALLS totals include the proposed Access-USF payments, at \$650 million per year. All figures assume that no LEC qualifies for exogenous rate increases that can occur when the interstate rate of return falls below 10.25%.



	July 2000 to	July 2001 to	July 2002 to	July 2003 to	July 2004 to	Total
	June 2001	June 2002	June 2003	June 2004	June 2005	Present
	(billions)	(billions)	(billions)	(billions)	(billions)	Value
Base Case	\$18.2	\$16.4	\$14.9	\$13.5	\$12.2	\$75.2
CALLS	\$17.2	\$15.6	\$14.5	\$13.6	\$12.9	\$73.8
						1

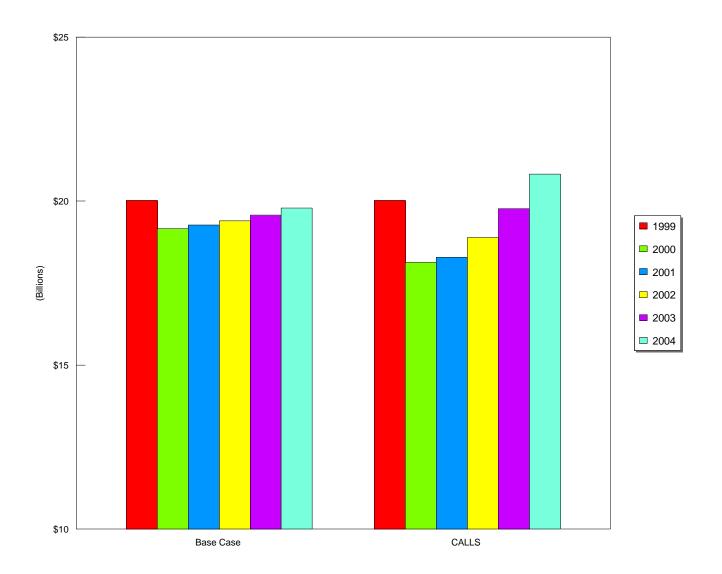
^{*} CALLS totals include the proposed Access-USF payments, at \$650 million per year. All figures assume that no LEC qualifies for exogenous rate increases that can occur when the interstate rate of return falls below 10.25%.

** Figures shown discounted to July 1, 2000 with an annual discount rate of 10.25%.



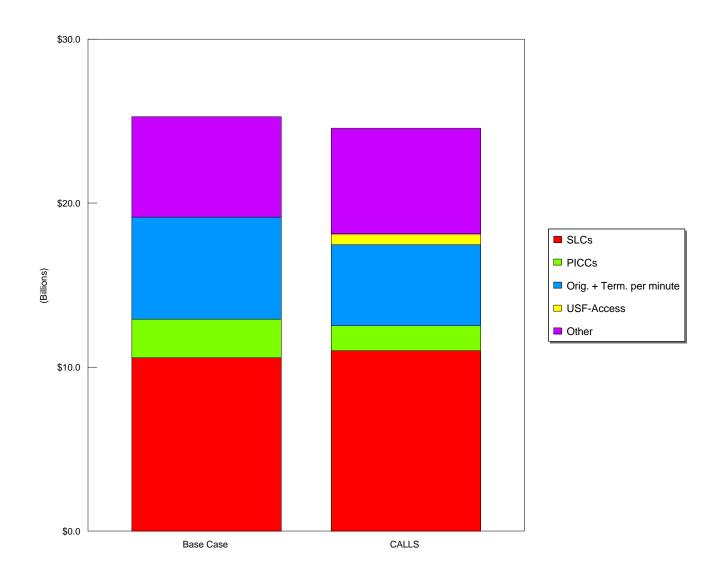
July 1999 to June 2000 (billions) \$20.0	July 2000 to June 2001 (billions)	July 2001 to June 2002 (billions)	July 2002 to June 2003 (billions)	July 2003 to June 2004 (billions)	July 2004 to June 2005 (billions)	Total
Base Case	\$19.2	\$19.3	\$19.4	\$19.6	\$19.8	\$97.2
CALLS	\$18.1	\$18.3	\$18.9	\$19.8	\$20.8	\$95.9

^{*} CALLS totals include the proposed Access-USF payments, at \$650 million per year. All figures assume that no LEC qualifies for exogenous rate increases that can occur when the interstate rate of return falls below 10.25%.

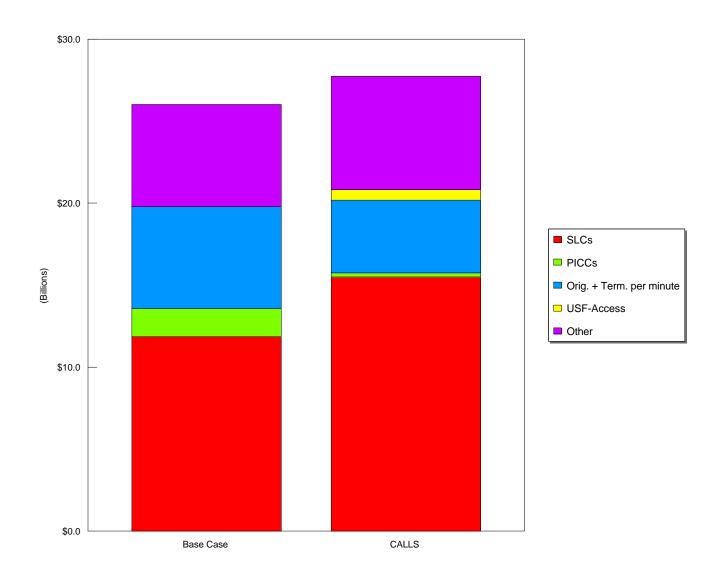


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Plan	SLCs	PICCs	Orig. + Term.	USF - Access	Other	Total
Base Case	\$10.6	\$2.3	\$6.2	\$0.0	\$6.1	\$25.3
CALLS	\$11.0	\$1.5	\$4.9	\$0.7	\$6.5	\$24.6



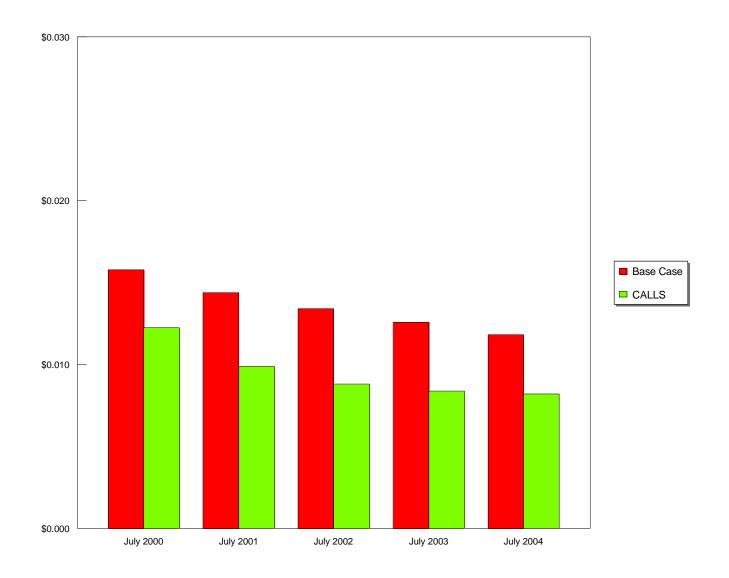
Plan	SLCs	PICCs	Orig. + Term.	USF - Access	Other	Total
Base Case	\$11.9	\$1.7	\$6.2	\$0.0	\$6.2	\$26.0
CALLS	\$15.5	\$0.2	\$4.4	\$0.7	\$6.9	\$27.7



Originating & Terminating Access Charge For an Average Interstate & International Toll Minute

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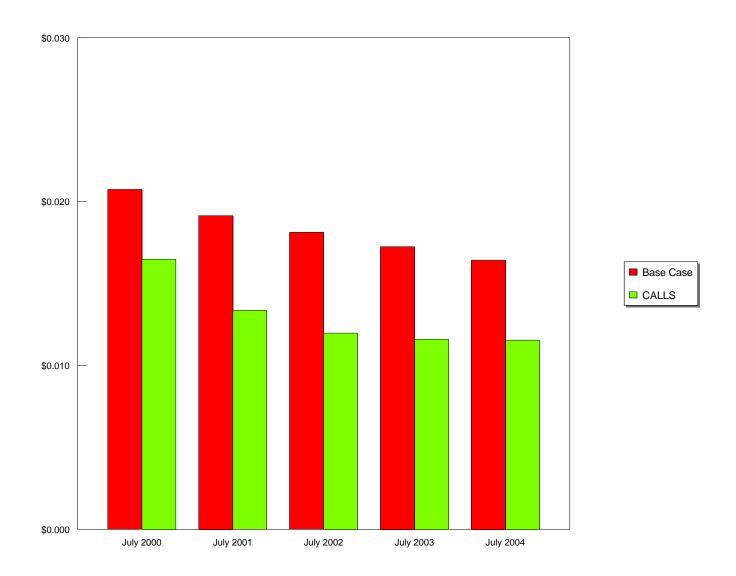
Plan	July 1999 \$0.0186	July 2000	July 2001	July 2002	July 2003	July 2004
Base Case		\$0.0158	\$0.0144	\$0.0134	\$0.0126	\$0.0118
CALLS		\$0.0123	\$0.0099	\$0.0088	\$0.0084	\$0.0082



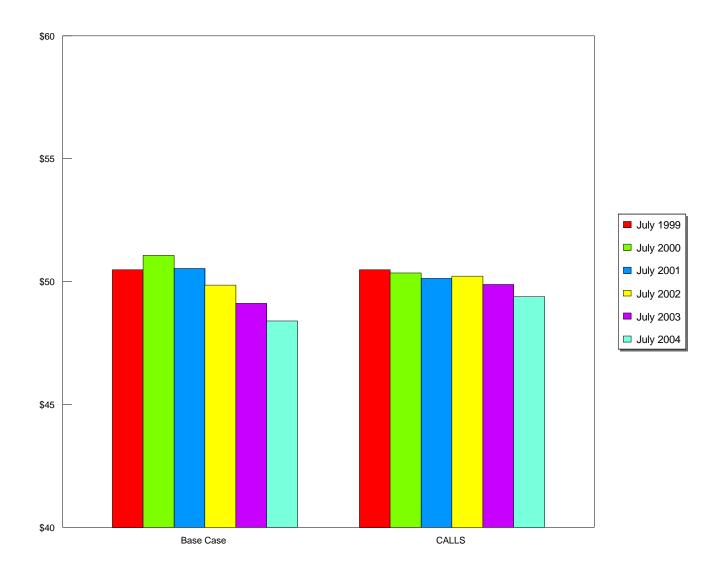
Originating & Terminating Access Charge for a Two-ended Interstate Toll Minute

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Plan	July 1999 \$0.0245	July 2000	July 2001	July 2002	July 2003	July 2004
Base Case		\$0.0207	\$0.0191	\$0.0181	\$0.0172	\$0.0164
CALLS		\$0.0165	\$0.0134	\$0.0120	\$0.0116	\$0.0115



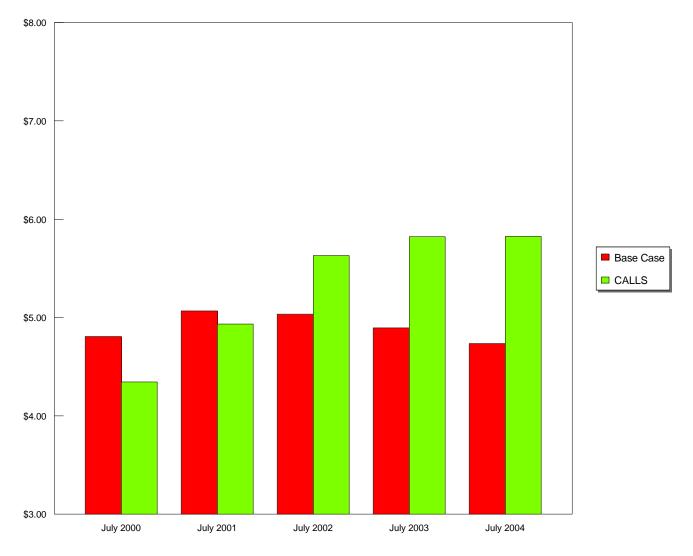
Plan	July 1999 \$50.88	July 2000	July 2001	July 2002	July 2003	July 2004
Base Case		\$51.07	\$50.54	\$49.86	\$49.12	\$48.41
CALLS		\$50.35	\$50.14	\$50.23	\$49.89	\$49.39



LEC Per-Line Access Revenue * for a Primary Residential Line

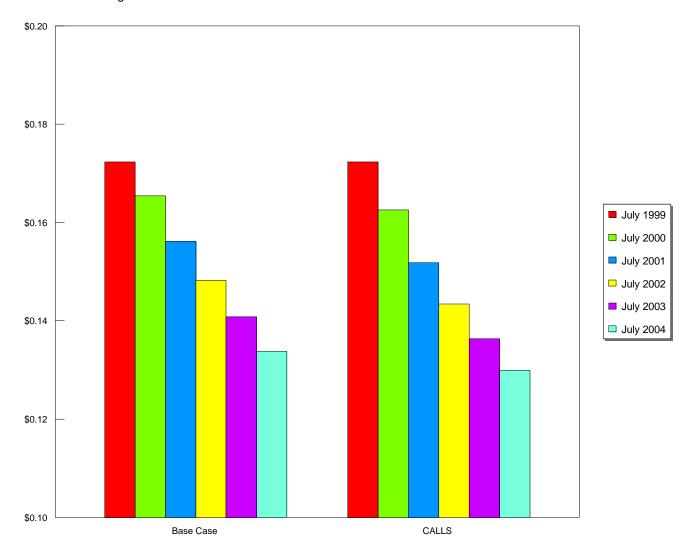
Plan	July 1999 \$4.45	July 2000	July 2001	July 2002	July 2003	July 2004
Base Case		\$4.81	\$5.07	\$5.04	\$4.90	\$4.73
CALLS		\$4.35	\$4.93	\$5.63	\$5.82	\$5.83

^{*} Figures represent the sum of the primary line SLC (charged to end users) and the primary line PICC charge (charged to carriers). Most residential customers pay IXC PICC pass-through charges on an account basis rather than on a per-line basis. The amount shown in Graph 10 is the amount the LEC charges to the IXC and not the amount actually charged to customers. The latter is shown in Graph 12



Plan	July 1999 \$0.172	July 2000	July 2001	July 2002	July 2003	July 2004
Base Case		\$0.165	\$0.156	\$0.148	\$0.141	\$0.134
CALLS		\$0.163	\$0.152	\$0.143	\$0.136	\$0.130

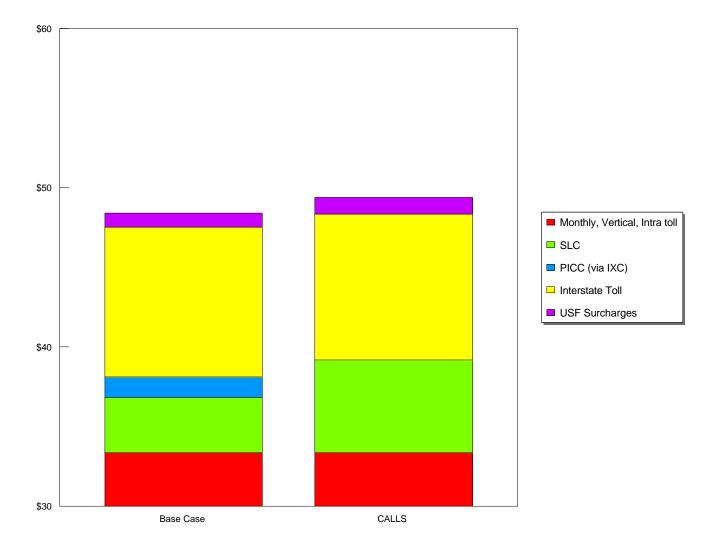
^{*} The amounts shown represent average revenue per minute, including all IXC charges except PICC pass-through and USF surcharges.



Plan	Monthly Vertical Features & Intrastate Toll	SLC *	IXC PICC Pass-through **	Interstate Toll ***	Direct & Indirect USF Contribution ****	Total
Base Case	\$33.36	\$3.47	\$1.27	\$9.42	\$0.88	\$48.41
CALLS	\$33.36	\$5.83	\$0.00	\$9.15	\$1.06	\$49.39

^{*} LECs do not collect SLCs from lifeline customers. Instead, LECs collect from universal service.

^{****} Reflects the assumption that ILECs will recover their universal service contributions using percentage surcharges. ILECs have the option of using flat-rated per- line charges, which could increase charges to residential customers.

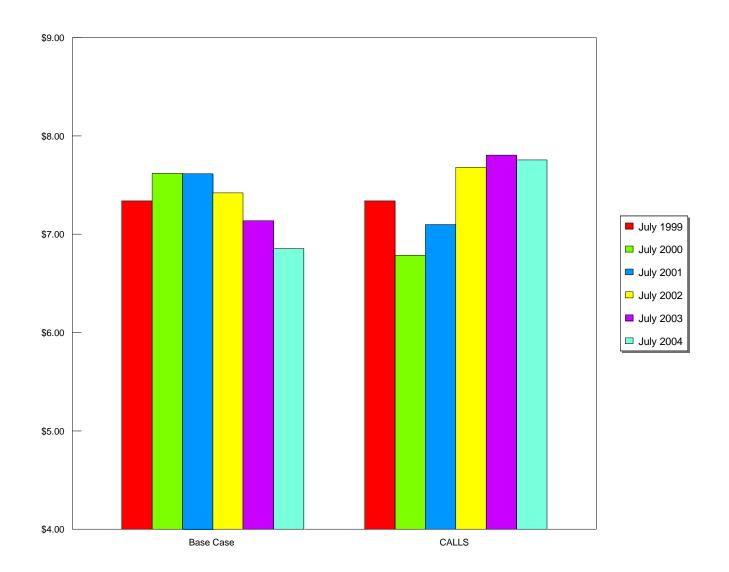


^{**} Reflects the assumption that toll carrier PICC pass-through charges for primary residential lines recover toll carrier costs for primary line and secondary line PICCs.

^{***} Calculated as the toll rates shown in Graph 11 times average minutes of calling.

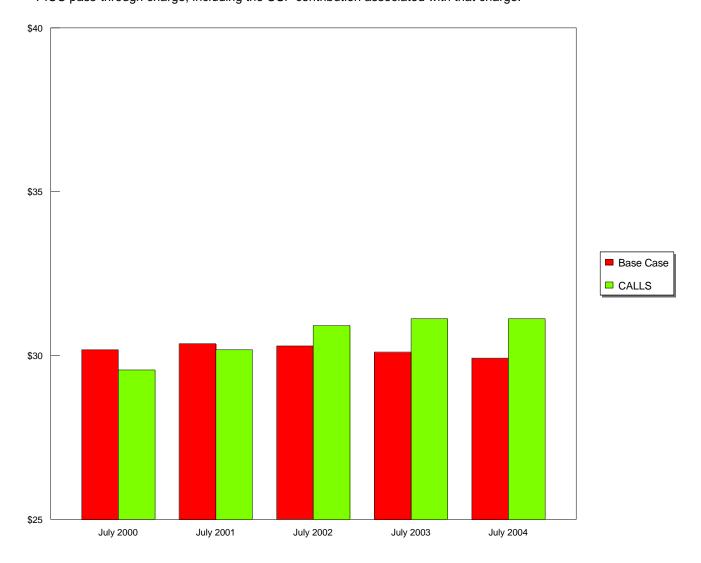
Graph 13 SLC, PICC Pass-through, USF Surcharges, & Per-Minute Access on Interstate Toll: for an Average Residential Customer with One Line

Plan	July 1999 \$7.34	July 2000	July 2001	July 2002	July 2003	July 2004
Base Case		\$7.62	\$7.62	\$7.42	\$7.14	\$6.85
CALLS		\$6.79	\$7.10	\$7.68	\$7.80	\$7.75



Plan	July 1999 \$29.78	July 2000	July 2001	July 2002	July 2003	July 2004
Base Case		\$30.17	\$30.36	\$30.29	\$30.11	\$29.92
CALLS		\$29.55	\$30.18	\$30.92	\$31.12	\$31.12

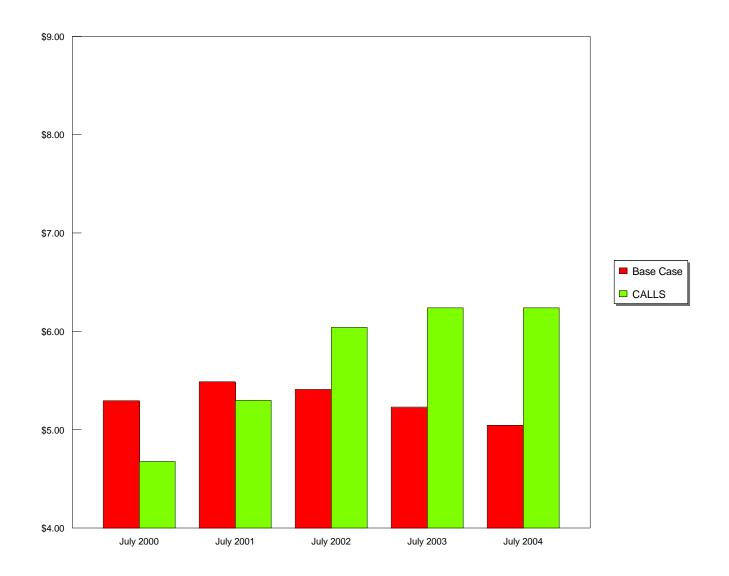
The amounts shown include charges for 20 intrastate toll minutes. The amounts do not include the \$3 monthly minimum amounts charged by some toll carriers or flat rated USF charges, but does include PICC pass-through charge, including the USF contribution associated with that charge.



Average Monthly Bill: Residential Customers with One Line, and no Interstate or International Calls: SLCs, PICC Pass-throughs & USF Surcharges

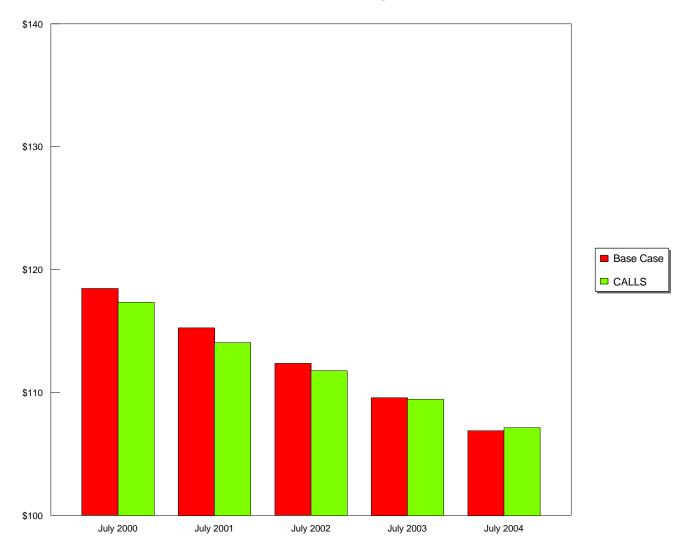
Graph 15

Plan	July 1999 \$5.04	July 2000	July 2001	July 2002	July 2003	July 2004
Base Case		\$5.29	\$5.49	\$5.41	\$5.23	\$5.04
CALLS		\$4.68	\$5.30	\$6.04	\$6.24	\$6.24



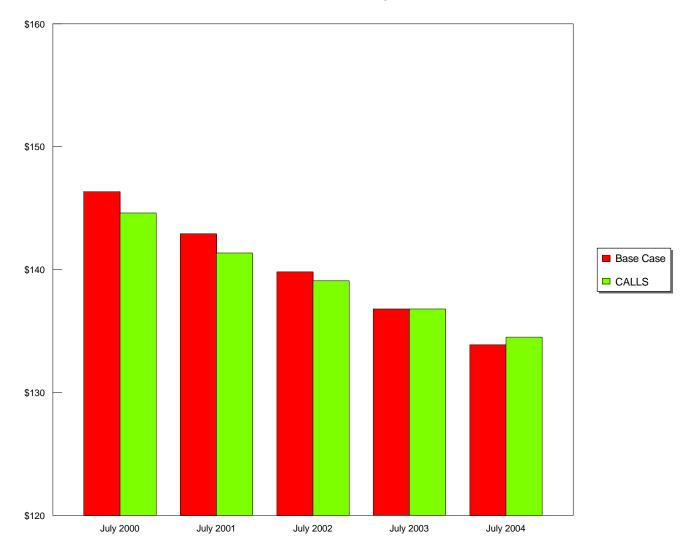
Plan	July 1999 \$118.99	July 2000	July 2001	July 2002	July 2003	July 2004
Base Case		\$118.46	\$115.26	\$112.38	\$109.58	\$106.92
CALLS		\$117.35	\$114.08	\$111.78	\$109.45	\$107.13

^{*} This graph covers households who make 6 1/2 hours or more of interstate and international calls in a month and also includes the cost of three hours of intrastate toll calling.

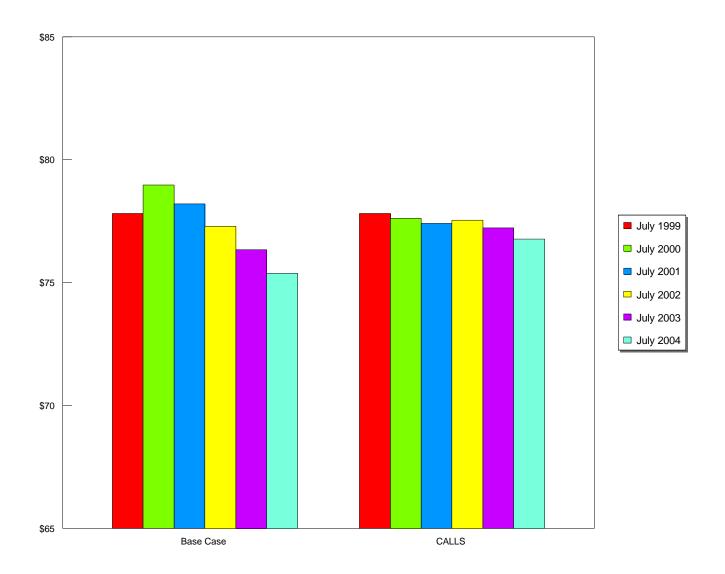


Plan	July 1999 \$145.93	July 2000	July 2001	July 2002	July 2003	July 2004
Base Case		\$146.36	\$142.92	\$139.81	\$136.81	\$133.89
CALLS		\$144.62	\$141.36	\$139.09	\$136.79	\$134.51

^{*} This graph covers households who make 6 1/2 hours or more of interstate and international calls in a month and also includes the cost of three hours of intrastate toll calling.

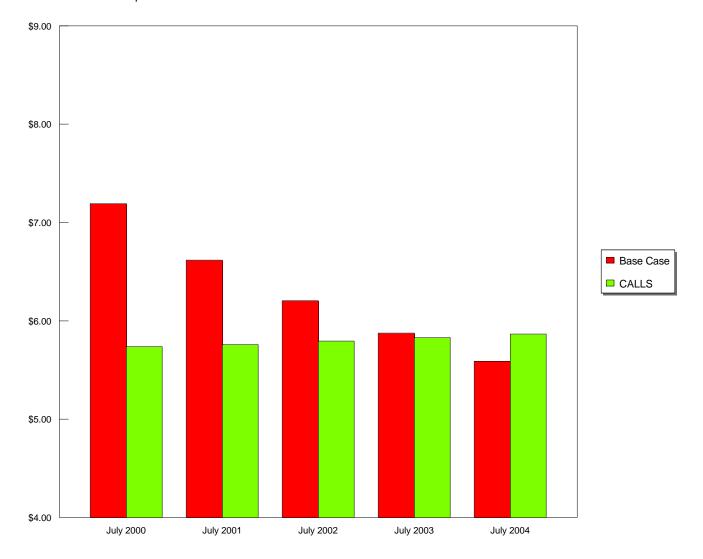


Plan	July 1999 \$77.82	July 2000	July 2001	July 2002	July 2003	July 2004
Base Case		\$78.98	\$78.20	\$77.30	\$76.35	\$75.38
CALLS		\$77.62	\$77.42	\$77.54	\$77.23	\$76.77



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Plan	July 1999 \$7.34	July 2000	July 2001	July 2002	July 2003	July 2004	
Base Case CALLS		\$7.19 \$5.74	\$6.62 \$5.76	\$6.20 \$5.79	\$5.88 \$5.83	\$5.59 \$5.86	

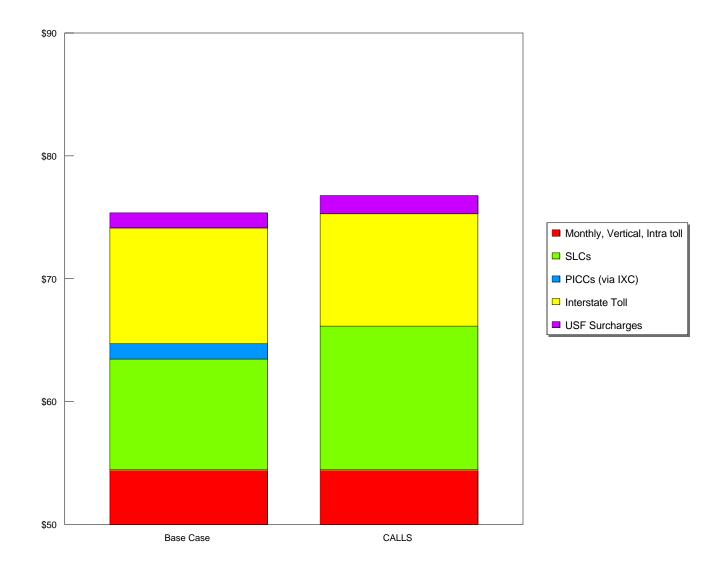
Figures represent the sum of the second line SLC (charged to end users) and the second line PICC charge (charged to carriers). Most residential customers pay IXC PICC pass-through charges only on the first line. Therefore, the total of LEC revenue for a second line differs from the charges to residential customers as shown in Graph 20.



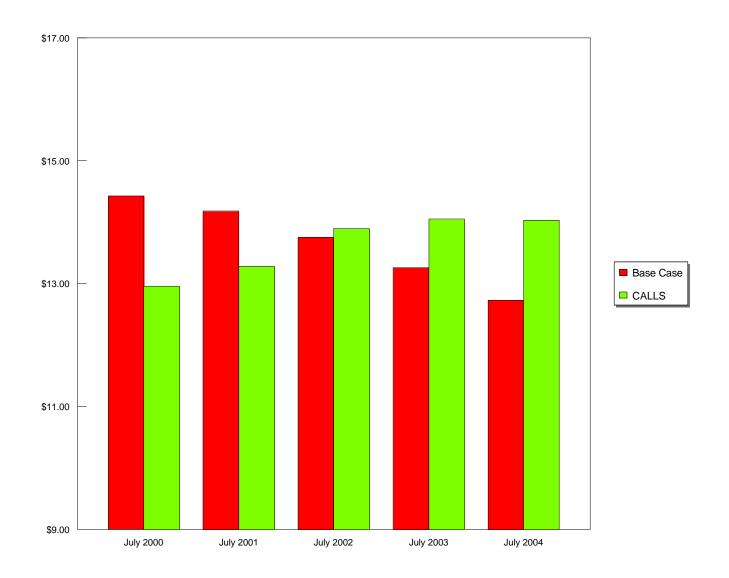
Residential Customer with Two Lines: Components of the Average Monthly Bill for July 2004

Plan	Monthly Vertical Features & Intrastate Toll	SLC	IXC PICC Pass-through *	Interstate Toll	Direct & Indirect USF Contribution	Total
Base Case	\$54.46	\$9.00	\$1.27	\$9.42	\$1.22	\$75.38
CALLS	\$54.46	\$11.69	\$0.00	\$9.15	\$1.47	\$76.77

^{*} Reflects the assumption that toll carrier PICC pass-through charges for primary residential lines recover toll carrier costs for primary line and secondary line PICCs. There is no additional PICC pass-through for the second line.



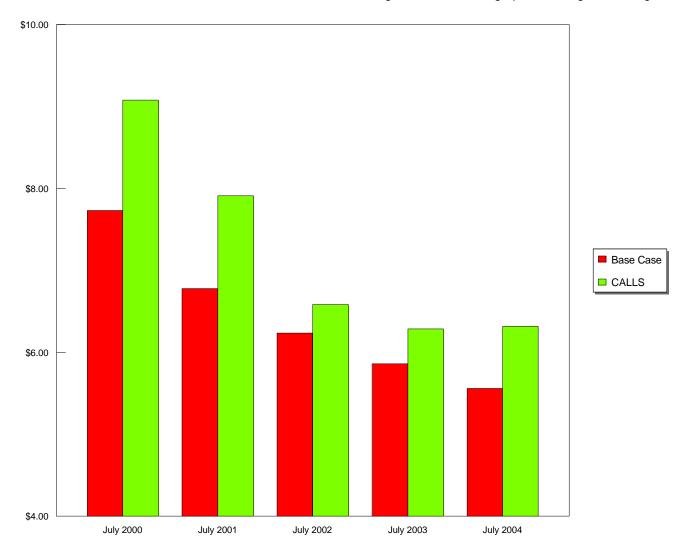
Plan July 1999 July 2000 July 2001 July 2002 July 2003 July 2004 \$13.42 Base Case \$14.43 \$14.18 \$13.76 \$13.26 \$12.73 CALLS \$12.96 \$13.28 \$13.89 \$14.05 \$14.03



LEC Per-Line Access Revenue * for a Multi-line Business Line

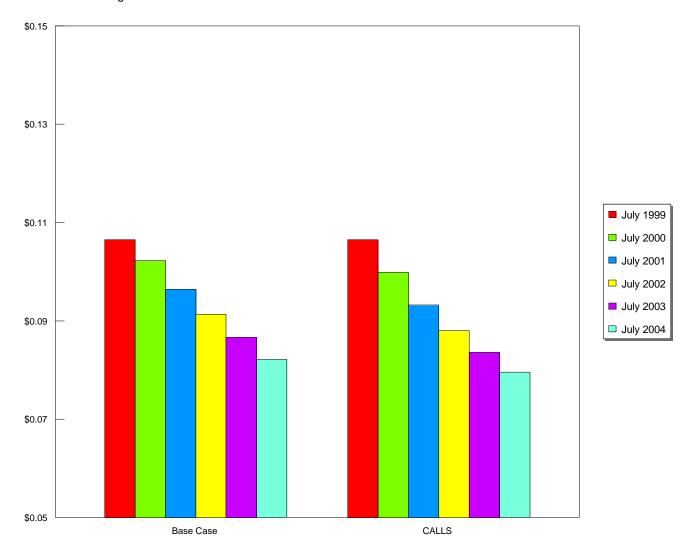
Plan	July 1999 \$9.97	July 2000	July 2001	July 2002	July 2003	July 2004
Base Case		\$7.73	\$6.78	\$6.24	\$5.86	\$5.56
CALLS		\$9.08	\$7.91	\$6.58	\$6.28	\$6.32

Figures represent the sum of the multi-line SLC (charged to end users) and the Multi-line PICC (charged to carriers). The Multi-line SLCs and PICCs cannot be less than the respective second line charges in any TRP. The overall averages in Graph 20 can be lower than the charges in Graph 19. However, because the ratio of multi-lines and second lines differs from TRP to TRP and the figures shown in the graphs are weighted averages.

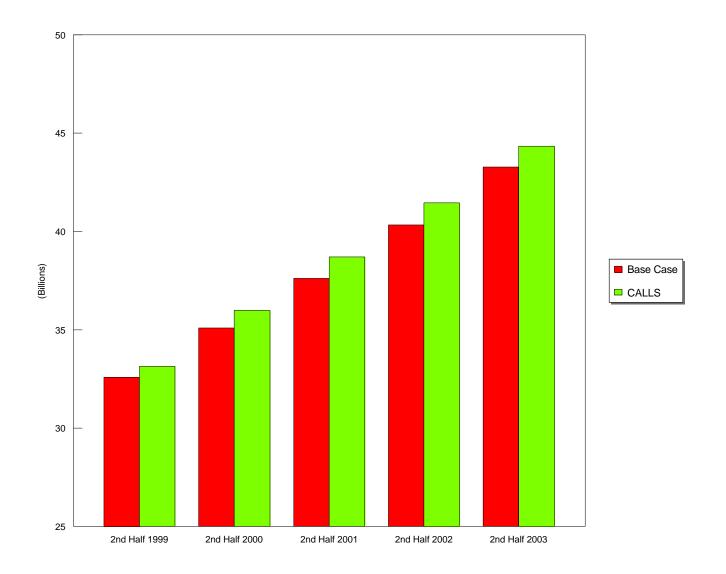


Plan	July 1999 \$0.107	July 2000	July 2001	July 2002	July 2003	July 2004
Base Case		\$0.102	\$0.096	\$0.091	\$0.087	\$0.082
CALLS		\$0.100	\$0.093	\$0.088	\$0.084	\$0.080

^{*} The amounts shown represent average revenue per minute, including all IXC charges except PICC pass-through and USF surcharges.

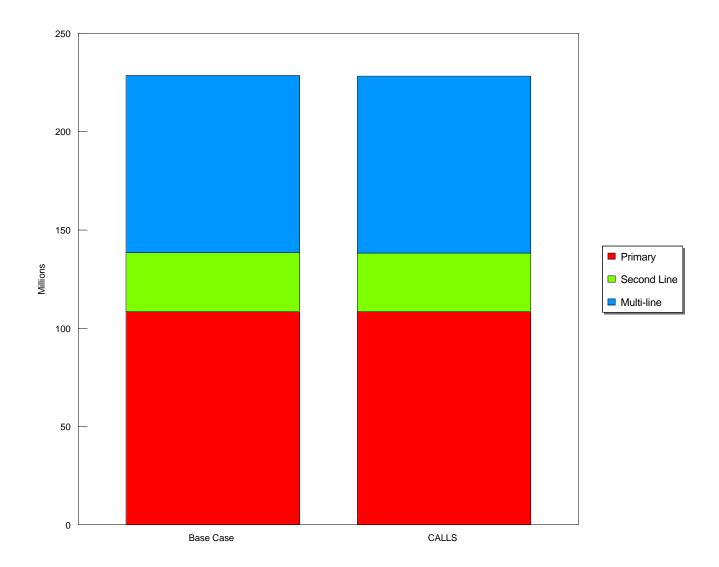


Plan	2nd Half 1999 29.5	2nd Half 2000	2nd Half 2001	2nd Half 2002	2nd Half 2003	2nd Half 2004
Base Case		32.6	35.1	37.6	40.3	43.3
CALLS		33.1	36.0	38.7	41.5	44.3

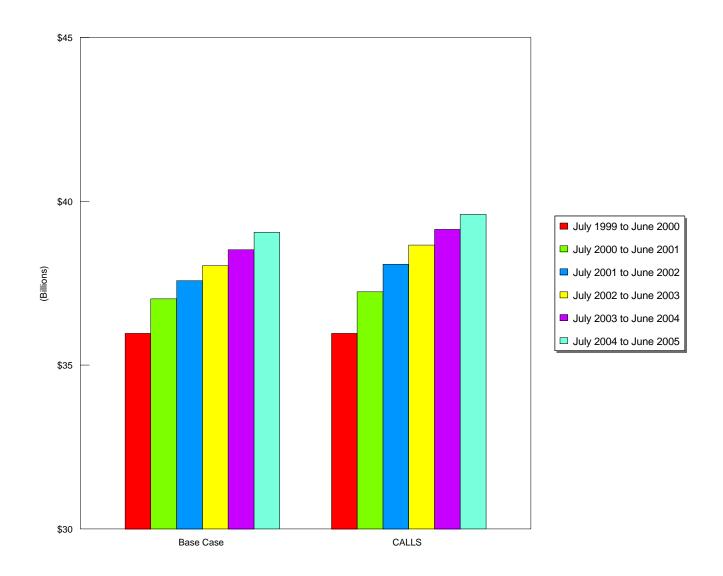


Access Lines -- Second Half 2004 (Millions)

Plan	Primary Residential & Single Line Business	Residential Second Line	Multi-line	Total
Base Case	108.7	29.7	90.2	228.6
CALLS	108.6	29.5	90.0	228.2

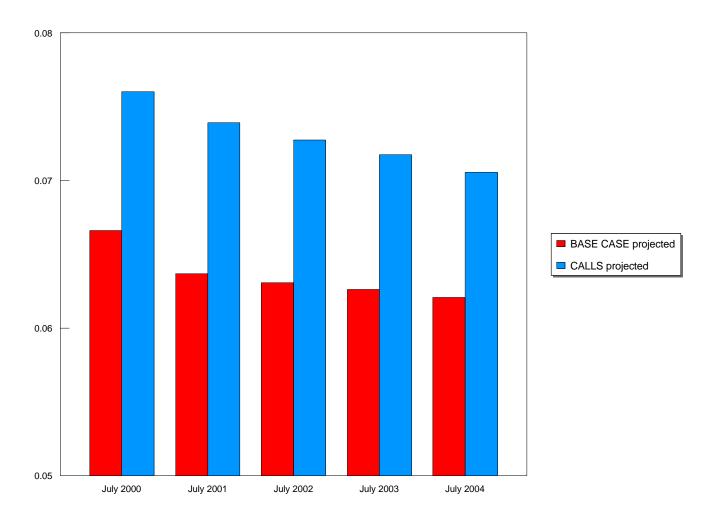


Plan	July 1999 to June 2000 (\$ billions) \$36.0	July 2000 to June 2001 (\$ billions)	July 2001 to June 2002 (\$ billions)	July 2002 to June 2003 (\$ billions)	July 2003 to June 2004 (\$ billions)	July 2004 to June 2005 (\$ billions)
Base Case		\$37.0	\$37.6	\$38.0	\$38.5	\$39.1
CALLS		\$37.2	\$38.1	\$38.7	\$39.1	\$39.6



Plan	July 2000	July 2001	July 2002	July 2003	July 2004
Base Case projected CALLS projected	0.06661	0.06368	0.06308	0.06263	0.06209
	0.07601	0.07391	0.07274	0.07176	0.07056

^{*} All rates shown are based on requirements projected for the first quarter of 2000 plus an estimate of requirements for the new non-rural high cost program, plus additional low income expenditures that would be caused by increases in subscriber line charges. The contribution base is based on the contribution base for the first quarter of 2000, adjusted for changes in interstate end-user revenue projected by the model.



Appendix A

Two independent rate calculators were used to project the access rates charged by the ten local exchange carriers subject to price cap regulation during the first half of 2000. The "base case" plan calculator reflects, to the extend possible, the access rules effective on 1/1/2000 found in parts 54, 61, and 69 of the Commission's rules. The "CALLS" plan calculator reflects, to the extent possible, modifications to parts 54, 61, and 69 of the Commission's rules as proposed by the CALLS coalition. The following list outlines common key assumptions made in the programming of each of the rate calculators.

- The inputs used in both calculators were drawn from Tariff Review Plans (TRPs) filed by the carriers in December of 1999. The inputs drawn from these filings represent charges effective beginning on January 1, 2000 and demand data for 1998. Charges reflect average revenue per minute based upon rates effective January 1, 2000 and demand for 1998. Charges reflect actual charges reported in the RTE-1 portion of the carrier TRPs, rather than allowable charges as reported in the CAP-1 portion of the carrier TRPs. Base growth rates are estimated based upon historical growth rates as computed from carrier TRPs and Common Carrier Bureau Industry Analysis Division (IAD) staff estimates. All rates, demands, and growth rates going forward are projections.
- □ Carriers access charges were calculated based upon the levels of aggregation selected by the companies when filing TRPs. Because carriers are given considerable flexibility in determining what level of aggregation to use when calculating rates, actual rates may be calculated at a level of aggregation that differs from that selected when filing TRPs. As a result, the charges projected by the access calculators may depart from those computed by carriers and reported in their TRPs.
- □ Both calculators assume that carriers remove all traditional USF contributions, or "flowback", from access rates on July 1, 2000. Estimates of USF contributions removed from holding company access charge rates were based upon data supplied by staff of the Common Carrier Bureau's Competitive Pricing Division (CPD). Removals by TRP were calculated based upon proportional removals of the amounts provided in the CPD holding company estimates. For example, CPD provided estimates of the amount of USF to be removed from the combined allowable Marketing Baskets of the Sprint companies. In order to achieve this reduction, an equal percentage of revenues was removed from each of the Sprint TRP level Marketing Baskets.
- □ Both calculators assume that the annual inflation rate as measured by the fixed weight GDP-PI will be 1.95% for all years between 1999 and 2005. The "Base Case" calculator assumes an initial inflation rate for 1998 of 1.41%.
- □ Both calculators assume that carriers currently charge the maximum rates allowable under the appropriate price cap rules and continue to do so for the life of the CALLS plan. No provision is made for potential low end adjustments, increases in competition, or changes associated with pricing flexibility.

The following are key assumptions made in the programming of the "CALLS" plan rate calculator.

- □ For the "CALLS" plan calculator, all 10 carriers currently under price cap regulation are assumed to adopt the "CALLS" plan rules.
- Access-USF is distributed to holding companies according to estimates submitted by the CALLS coalition. TRP level distributions within holding companies were calculated assuming proportional allocations based on TRP level Common Line Basket revenues as of January 1, 2000. Following the CALLS estimates, distributions totaled \$650 million each year of the plan, and allocations were held constant over time.
- □ The CALLS plan proposes certain benefits to carriers after average traffic sensitive (ATS) rates reach specified targets. Targets for all carriers match those proposed in the CALLS submission except for targets for Citizens, which are set at \$0.0095.

- The CALLS plan proposes a reduction in the sum of ATS and carrier common line (CCL) rates on July 1, 2000 (as measured based on 1999 demand) equal to \$2.1 billion. Staff estimates that the removal of flowback, distribution of access-USF, and X-factor targeting proposed in the CALLS, must be supplemented by a one time reduction of local switching revenue of 37% in order to achieve the approximate \$2.1 billion reduction. The CALLS calculator assumes the local switching revenues are removed prior to X-factor targeting. Alternatively, if the local switching revenue were removed after targeting, the percentage removal necessary to achieve the \$2.1 billion reduction would increase slightly.
- □ All reductions in ATS revenue due to targeting are assumed to be removed proportionately from all elements included in the ATS. Under the CALLS plan, however, ILECs are given flexibility in reductions are distributed. Therefore, some carriers may reduce some rate elements in the ATS by more than others.
- ☐ For carriers that are allowed to move revenue removed from the local switching element to the carrier common line basket, and who are required to reduce these extra common line revenues over time, it is assumed that ATS and extra common line revenues are reduced proportionately by targeting. Therefore, for carriers required to reduce extra common line revenues, extra common line revenue will be eliminated at the same time ATS targets are met.
- Revenues moved by carriers from the local switching element to the common line basket are assumed to flow within the same TRP entity where they were generated to the multiline business subscriber line charge (SLC) to the extent permitted by industry caps, then to the multiline business presubscribed interexchange carrier charge (PICC) to the extent permitted by industry caps. For carriers that are allowed to collect additional revenues, not collectable under the industry caps, from other areas within their holding company, collections are assumed to come first from the multiline business SLC in the TRP area with highest SLC to the extent permitted by industry caps, then from the multiline business PICC in the TRP area with highest SLC to the extent permitted by industry caps. If revenues remain, the carrier is assumed to collect additional revenues from the multiline business SLC in the TRP area with second highest SLC to the extent permitted by industry caps, then from the multiline business PICC in the TRP area with second highest SLC to the extent permitted by industry caps and so on, until all permitted revenues have been collected or all multiline business industry caps have been reached.
- □ Part 61 A, 48(m)(I)(i) is assumed to apply to SBC and US West. Part 61 A, 48(m)(I)(ii) is assumed to apply to Sprint, Frontier, and Citizens. These assumptions are based upon CPD discussions with the CALLS coalition. IAD staff has not, based upon model results, verified qualification status.

Assumptions Appendix B

GROWTH30.WK4 Module estimates changes in key growth rates as a result of changes in access rates.

Inputs The Delphi- based Access Calculators produce cap price levels for access charges

that are aggregated to the following broad levels.

Subscriber Line Charges: [by TRP area]

Residential and Single Line Business

non-primary residential multi-line business

PICC charges [nationwide averages]

Residential and Single Line Business

non-primary residential multi-line business

Access minute charges [nationwide averages]

originating terminating

Special Access & IX charges [nationwide per switched minute charge

even if actual charges are flat rated.]

Amount added (nationwide) for new USF program.

Change in Lifeline due to changes in SLCs.

Outputs:

This module estimates growth rates for:

primary residential and single line business access lines

non-primary residential access lines multi-line business access lines originating access minutes terminating access minutes switching access minutes

These growth rates are used by the Delphi-based Access Rate Calculators.

This Module also produces summary statistics.

Base Growth

Annual growth rates are predicted as the prior year growth rate plus or minus demand changes stimulated/repressed by price changes.

Appendix B

In order to avoid use of iterative techniques, trend amounts are calculated for key quantities. These amounts are used in determining demand stimulation and then final quantities are based on the trends plus or minus the stimulated amounts.

For example, the weighted average primary and non-primary PICC charge for a period is based on the trend numbers of primary and non-primary lines. Changes in the average PICC may, in turn, effect the number of lines for the period. The after stimulate numbers for lines are then used to determine ILEC revenue and become the base amount for the next period.

Prior period second line quantities are used for calculating weighted average second line PICC charges.

1 Assumption (1)

1999 growth rates are based on changes in quantities reported in the TRPs for 1997 through 1999.

The base growth rate for primary lines is slightly higher than the rate of household formation [1.4% per year compared with 1.0% to 1.1%] because:

1) penetration has been increasing; 2) residential lines at second homes are counted as primary lines and the percentage of households with vacation homes has been increasing by almost 5% per year; and 3) Primary lines include single line business access lines. Also, tax returns from non-farm sole proprietorships have been increasing at over 2% per year.

The use of constant growth rates for each TRP creates a slight upward bias in the weighted average for growth over time. This is because areas with faster growth become relatively larger, and therefore more important in the averages. This increases the effective growth rates for second lines from 8% to 9% per year, over five years. This does not bias the model with respect to CALLS vs. the BASE CASE.

1 Assumption (2)

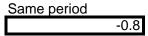
All PICC charges are billed to IXCs. While some PICC charges are paid by customers that do not have a presubscribed IXC, we do not know how many of these customers exist in each TRP area. Since we would have to use nationwide average changes in PICC rates, the price effect is the same whether or not it is passed through an IXC.

- 1 Assumption (3) IXCs will pass PICC charges through to customers in the form of nationwide average monthly charges. We know that large multi-line customers in states with low PICCs are able to negotiate with IXCs so as not to pay a nationwide average amount. Since actual PICCs are used to calculate TRP revenue, the only bias created is in determining elasticity effects. Growth for low-PICC states will be slightly understated and for high-PICC states will be slightly overestimated. Nationwide totals should be unbiased.
- 1 Assumption (4) We assume that IXCs recover 100% of PICC charges by placing flat monthly charges on their customers. For residential customers, we assume that carriers use a single weighted average charge customer account. (Calculated as primary and secondary PICC revenue divided by primary lines) We assume that carriers use a separate PICC pass through charge for multi-lines, averaged for all lines.. Actual IXC practices vary.
- 1 Assumption (5) We assume that customer's treat all flat monthly charges as part of the monthly rate for local telephone service.
- 1 Assumption (6) Elasticities of demand: monthly service [no lag]

 Note: changes in fixed monthly toll charges are treated as changes in local service cost.

-0.0080 Primary residential & single line business -0.4000 Secondary residential -0.1000 multi-line business

The primary residential & single line business elasticity is based on work by Hausman, Tardiff & Belinfante. The second line elasticity is based on work by Eisner & Waldon. The multi-line elasticity is assumed to be somewhat higher than the primary residential figure but significantly less than the second residential line figure.



The elasticity effect is based on the change in the average interstate and international toll charge per minute for both business and residential customers, adjusted to take out trend changes in toll rates (since an average decline in toll rates is built into the trend growth in minutes.) The average toll rate for the first half 1999 is assumed to be the amount estimated for 1998 in the Telecommunications Industry Revenue Report adjusted using trend change from Assumption (9) and Less PICC pass through, which is treated as part of local service revenue

\$0.135 Interstate & international calls

Note: The elasticity effect should be based on per minute charges rather than on average revenue per minute including flat rated elements. The PICC pass through charges are treated as part of the local bill and have been removed from the overall toll ARPM and from imputed residential bill. Nonetheless, some USF pass through was flat rated in 1998 and toll revenue includes other flat rated elements. Since an access change would represent a greater percentage change measured against actual per minute charges, a relatively high elasticity has been specified to reduce the bias.

1 Assumption (8) Note: the weighted average per minute toll rates in Workpaper 3 ignore the fact that some IXC toll charges are flat rated. However, we have no information on flat rated elements for business customers. This creates a slight bias because changes in per minute access charges will have a greater percentage effect on toll rates than assumed by the model.

The module treats PICC flow through as a part of local rates rather than as a per minute toll charge. The analysis of interstate toll rates starts with estimates that include all IXC charges including PICC flow-through charges. In order to avoid double counting, the following per minute adjustments are used:

Average PICC rate in 1998 for residential \$0.82
Average residential toll minutes 73.2
(see below)

PICC per Minute residential & SLB \$0.0116

weighted average all minutes \$0.0058 (Telecommunications Industry Revenue, Table 10) Average Multi-line billed minutes 380.9 (see below)

(see below)

PICC per minute - multi-line \$0.0047

For most IXCs, residential customers are subject to monthly minimums. This has no price effect for customers with high or average usage, but results in a flat \$3 charge added to no toll customers. In theory, this amount should be added to the average monthly charge for these customers before considering elasticity effects. However, the growth module evaluates elasticity effects for average customers, not by customer groups. However, there would also be an offsetting and perhaps greater effect, since eliminating the \$3 minimums means that carriers would have to increase per minute rates to collect the same amount of revenue. Workpaper 5 uses data from Bill harvesting data, to show that the elimination of the \$3 minimums would result in a 5.5% decrease in IXC revenue. Residential rates would have to increase approximately \$.011 to offset this amount.

-2.7%

Workpaper 4 also estimates the semi-annual decline in per minute access cost to IXCs

-3.4%

Workpaper 4 also estimates the amount that rates declined for reasons other than access charge reductions.

-2.5%

This represents the reduction every six months in the non-access portion of toll rates. (i.e. the average rate minus the average cost of access)

Appendix B

1 Assumption (10) Stimulation of local access lines due to lower per minute charges: The average total bill effect of a change in toll rates (average minutes per line times change in rate) is subject to a different elasticity effect than local rate changes. Note that the change in access is adjusted to reflect trend changes in access. Thus, if access rates are constant, for example, there should be a slight reduction in growth rates in access lines. The elasticity's are:

> Same period -0.0100 -0.0100

Residential business

- 1 Assumption (11) Total nationwide conversation minutes are equal to terminating access minutes.
- 1 Assumption (12) Inflation for 2000 through 2005 is assumed to be the same as inflation for the years used to calculate base growth. Accordingly, we assume that demand changes due to changes in general price levels are already factored into the base growth rates
- 1 Assumption (13) For simplicity, this module starts with originating and terminating access minute rates that include switching. Since switching minutes differs slightly from originating plus terminating, multiplying the originating & terminating minutes and composite rates will not precisely equal actual revenue (orig mins * orig rate + term mins * term rate + switch mins * switch rate) However, this should not create any bias for various options.

1 Assumption (14) Base growth rates for originating, terminating and switching minutes already include minutes associated with base growth in primary and multi-line business lines. Where line growth is above or below the trend, the change in lines translates to changes in access minutes. In order to estimate changes in access minutes per primary line vs multi-line, we use the average base period originating and switching minutes per line, assume that Primary lines originate 73 minutes per month, and that all lines terminate an equal number of minutes. This permits the following table to be calculated:

Same period (interstate & international toll)

primary multi-line overall

originating		terminating	switching
	73	176	249
	164	176	340
	104	176	282

1 Assumption (15) The preceding assumptions permit calculation of billed interstate and international toll minutes per line per month. We assume that Primary is equal to the primary originating conversation minutes. Overall is based on total terminating minutes. Multi-line = [total minutes minus total residential minutes (primary lines X 73)] / # of multi-lines

percentage interstate & international toll conversation minutes

originating from:

primary 27.6% multi-line 72.4%

(Based on originating minutes) (calculated from overall

Initial conversation minutes per line

primary 73.2 multi-line 380.9

1 Assumption (16) We assume that minutes per primary line and minutes per multi-line grow at the same rate. Since multi-line lines are growing faster than primary lines and since these have more minutes, on average, this rate of growth is less than the growth in total minutes per primary plus multi-lines.

1 Assumption (17) Overall access charges per conversation minute can be calculated from the rates times originating and terminating minutes. To estimate the rate for residential & SLB conversation minutes, we assume that all residential conversation minutes have one originating and one

terminating access minute, and that the percentage of residential and SLB minutes does not vary from TRP area to TRP area. An international call has access minutes on only one end. However, we assume that for the purpose of setting residential rates, carriers will

presume that residential customers get a foreign billed (i.e. terminating)

minute for each outgoing minute.

1 Assumption (18) First half 1999 totals for lines and minutes are equal to 1998 base year demand plus base growth for 3/4th of a year.

1 Assumption (19) Local rates for first half 1999 were based on 1998 revenue and rate data.

Workpaper 1 uses SOCC data for Tier 1 carriers to calculate the average basic revenue (Local exchange, extended area, vertical features & connection, subscriber line & PICCs) per access line by operating company. The relative amount of basic revenue per line is used to translate nationwide average residential and single line business, and nationwide multi-line business average monthly charges into rates for each TRP area. Workpaper 2 develops the average monthly charges for residential and single line business, and multi-line monthly line charges.

IXC PICC charges to end users have been subject to universal service contribution since 1998. Those surcharges for 1998 were included in switched toll revenue for 1998 and therefore are already captured in the toll revenue per-minute estimates. The PICCs and associated universal service charges are removed from per-minute charges above.

Appendix B

1 Assumption (20) Local Number Portability surcharges are added by TRP area

for first half 1999. Actually, only about half of subscribers are

for first half 1999. Actually, only about half of subscribers are served by LNP capable offices and therefore pay the charge. However, most will by the end of the study and for simplicity, the charges are added up front. PBX trunks are assessed 9 LNP charges per trunk and PRI ISDN channels are also subject to a multiple charge. We do not have reliable information on PBX vs PRI vs key system multi-lines. LNP rates were formulated to collect an average of \$760 million per year. Accordingly, we subtracted from this amount the total that would be generated by the LNP rate times (primary + secondary lines) and divided the remainder by multi-lines. This yields the average collections per multi-line. Dividing this average by the nationwide average LNP charge for all lines (approximately 28 cents for all lines) gives a factor representing average LNP payments per multi-line.

63.8 /27.5 = 2.32

1 Assumption (21) The analysis assumes that local rates and toll rates change by similar amounts in the future as they changed over the period on which base growth rates were based. In fact, some IXCs raised fixed monthly charges in 1999 through greater use of minimums and lowered per minute charges. No attempt has been made to estimate how these changes effect the levels of monthly or per minute charges or to project these trends into the future.

We assume that ILECs will recover universal service contributions from end users starting in January, rather than through per-minute access rates. Since SLCs represent almost all of ILEC end user revenues, we assume that ILECs will apply USF pass-through surcharges starting first half, 2000. Thereafter, base local rates remain unchanged. However, SLCs change by TRP, PICCs flow through to end users (through IXC nationwide average flat rated charges), and USF contribution rates change (due to changes in SLC, PICC & interstate toll revenue). These are the changes that lead to elasticity effects.

1 Assumption (22) the weighted average access cost per minute is based on the originating and terminating rates times prior period quantities.

1 Assumption (23) Independent of other factors, residential conversation minutes for each of the six usage factors are growing by 1.5% per period. (Based on the growth in terminating access minutes minus the overall growth rate for primary plus multi-line lines)

Appendix B

- 1 Assumption (24) Workpaper 3 develops 1998 average rate per minute for primary residential and SLB lines and for multi-line business lines. Residential interstate rates are based on bill harvesting. Residential international rates are based on the Revenue report. A weighted average is based on the overall estimates of interstate and international conversation minutes. This weighted average is then removed from the overall average revenue per minute estimated in the Revenue Report to yield the multi-line business estimate.
- 1 Assumption (25) All scenarios in the study assume that access charges will will not flow through LEC contributions to the maintenance of universal service. We assume that all LECs will recover Universal Service Contributions through direct percentage surcharges on end-users starting January 1, 2000

 Other changes in contribution rates are:
 - a) introduction of new payments for non-rural high cost. (\$300 million annual)
 - b) all requirements met with contribution on interstate & international
 - c) CALLS proposal to fund some access from universal service
 - d) increased low income program that automatically would happen if residential SLCs increase.

Toll rates are assumed to already fully incorporate an interstate contribution requirement of

0.03987 Initial Fourth Quarter Factors 1999.

Assuming an interstate and international end user revenue funding base of \$37.910 millions (from DA 99-

\$37,910 millions (from DA 99-2780) First Quarter Fund Factor less 1% uncollectibles)

The contribution base in is moved forward, starting second half 2000, using changes in LEC SLC revenue and changes in IXC toll revenue, for second half 1999 No adjustments are made for other changes in interstate revenues.

Future fund contribution factors will be based on requirements of Appendix B

Existing High Cost 499.1 Projected 1st quarter 2000 program + Admin (DA 99-2780)

New Non Rural 51.25 based on \$205 projected increase

Schools & Libraries 565.5 Projected 1st quarter 2000 program + Admin (DA 99-2780)

Low Income 129 Note that this is based on current SLC levels

New universal service to

access transfer inputs CALLS plan only

Change Low Income inputs results from changes in SLCs

Note that the New Non Rural is expected to be implemented the first half of 2000. We implement it on Jan 1.

Note that all scenarios assume that LEC USF contributions will be recovered by a direct end user percentage charge on SLCs starting January 1, 2000. (It would not matter if LECs recovered the same amount of money using fixed amount surcharges since this is treated as part of the local rate in either case.)

1 Assumption (26) The PN&R Associates bill harvesting study for 1998 provides a breakdown of residential customer bills by average usage per month

These usage levels are assumed for both residential accounts and for single line business lines. Intrastate usage has been smoothed.

Usage Group	-	Intrastate & Other Per Month	Interstate & intl. Per Month	
1	7023	3 20	0	140460
2	6236	40	9	249440
3	6572	60	41	394320
4	4998	80	94	399840
5	2783	120	175	333960
6	2378	180	384	428040
Total	29990	64.9	73	64.8903

Appendix B

- 1 Assumption (27) In order to show the effect of the various access scenarios on total bills, Interstate average revenue per minute (first half 1999) is used as the average intrastate charge per minute for all periods. In addition, the toll minutes per line and the number of lines in each group (i.e., the weights) are held constant. Thus, the intrastate toll amounts do not vary from period-to-period and all bill effects shown in the results are due to changes in scenario. Average amount of intrastate toll:
- 1 Assumption (28) No usage data is available for multi-line business lines. Interstate usage per month is based on total less residential & single line business. Intrastate is assumed to be proportion to average residential usage from Bill Harvesting. Again, the Second Half interstate toll rates (for multi-line traffic) are used as a surrogate for intrastate toll rates and are held constant for all periods.

Intrastate Interstate & Other & intl.

Per Month Per Month

338 381

For Multi-line business lines

1 Assumption (29) Centrex lines make up approximately 1/3 of multi-line business lines. Customers play a multi-line SLC on each centrex line. Carriers, however, pay 1 multi-line PICC for customers with up to 9 Centrex lines, and 1/9th of the multi-line PICC charge for each additional Centrex line. We assume that 10% of lines are taken by customers with less than 9 total lines and that These customers have an average of 4 lines. Accordingly, multi-line PICC revenue is calculated as multi-line lines X multi-line PICC times the following factor:

0.7037037037037 0.71

At the moment, we assume that centrex lines are distributed evenly across all TRPs. Since the module assumes that customers end up paying nationwide avg. PICCs, this assumption has no impact on demand effects. It does add some uncertainty to revenue totals by TRP.

1 Assumption (30) Low Volume customers pay higher per minute rates.

Based on information in the Bill Harvesting Study, we use the following factors to calculate residential bills

0	n.a.		0
1 - 30	1.72	Times the ARPM	96279.24
31 - 75	1.24	n	334039
76 - 180	1.04	"	487977.6
181 - 300	0.95	n	463429.5
301 - up	0.89	n	813839.6
		•	73.2099

1 Assumption (31) Both the Delphi-based Access Rate calculators and the demand module assume that some households qualify for Lifeline assistance on monthly rates.

This is not factored into the estimate of demand stimulation because Lifeline take rates are already included in the trend growth in lines.

This creates a slight bias because a change in SLCs will not elicit a response in Lifeline customers. Instead, the model simplifies and assumes that the following percent of total primary lines will be for Lifeline service

This percentage of customers do not pay SLCs. Accordingly, SLCs for these customers are not included in average household bill calculations.

Workpaper 1: Relative amounts of basic area revenue per access line (1998)

	Statistics	of Communnica	tions Common	Carriers (SOC	C) Table 2.9	SOCC 2.10		
	(a)	(b)	(c)	(d)	(a)+(b)+(c)+(d)			
		OPTIONAL	OTHER			TOTAL	Local Service	
		EXTENDED	LOCAL			SWITCHED	Revenue per	
	BASIC AREA	AREA	EXCHANGE	END USER	Local Service	ACCESS	Switched	Relative
	REVENUES	REVENUES	REVENUES	REVENUES	Revenue	LINES	Access Line	Factor
Ameritech	\$4,906,110	\$7,436	\$1,629,282	\$1,200,296	\$7,743,124	20,510,770	\$31.46	1.024
Bell Atlantic	\$9,668,996	\$167,472	\$2,983,543	\$2,318,395	\$15,138,406	40,963,743	\$30.80	1.002
Bell South	\$5,029,752	\$1,188,096	\$2,601,784	\$1,409,680	\$10,229,312	23,688,031	\$35.99	1.171
TPNV	\$52,823	\$633	\$20,246	\$19,524	\$93,226	341,508	\$22.75	0.740
PTCA	\$3,323,047	\$45,045	\$903,745	\$923,225	\$5,195,062	17,915,591	\$24.16	0.786
SWCT	\$498,162	(\$3)	\$105,693	\$120,333	\$724,185	2,311,014	\$26.11	0.850
SWTR	\$3,677,475	\$173,832	\$1,474,822	\$915,191	\$6,241,320	15,976,814	\$32.55	1.059
USW	\$4,181,720	(\$5)	\$1,246,212	\$1,021,561	\$6,449,488	16,859,395	\$31.88	1.037
CINCINNATI BELL	\$258,805	\$45,088	\$96,291	\$53,044	\$453,228	1,032,640	\$36.58	1.190
Aliant	\$65,132	\$9,492	\$11,972	\$13,210	\$99,806	339,755	\$24.48	0.797
Citizens	\$59,269	\$5,010	\$11,780	\$16,227	\$92,286	302,027	\$25.46	0.829
Frontier	\$121,639	\$0	\$32,808	\$24,945	\$179,392	577,694	\$25.88	0.842
GTE	\$4,366,489	\$126,147	\$1,230,023	\$952,336	\$6,674,995	18,872,083	\$29.47	0.959
Sprint	\$1,363,991	\$3,572	\$512,533	\$375,004	\$2,255,100	7,103,197	\$26.46	0.861
Total Reporting	38,204,946	1,775,464	12,959,279	9,471,576	62,411,265	169,235,266	\$30.73	

Workpaper 1: Relative amounts of basic area revenue per access line (1998)

	Statistics	of Communnica	tions Common	Carriers (SOC	C) Table 2.9	SOCC 2.10		
	(a)	(b)	(c)	(d)	(a)+(b)+(c)+(d)			
		OPTIONAL	OTHER			TOTAL	Local Service	
		EXTENDED	LOCAL			SWITCHED	Revenue per	
	BASIC AREA	AREA	EXCHANGE	END USER	Local Service	ACCESS	Switched	Relative
	REVENUES	REVENUES	REVENUES	REVENUES	Revenue	LINES	Access Line	Factor
Ameritech	\$4,906,110	\$7,436	\$1,629,282	\$1,200,296	\$7,743,124	20,510,770	\$31.46	1.024
Bell Atlantic	\$9,668,996	\$167,472	\$2,983,543	\$2,318,395	\$15,138,406	40,963,743	\$30.80	1.002
Bell South	\$5,029,752	\$1,188,096	\$2,601,784	\$1,409,680	\$10,229,312	23,688,031	\$35.99	1.171
TPNV	\$52,823	\$633	\$20,246	\$19,524	\$93,226	341,508	\$22.75	0.740
PTCA	\$3,323,047	\$45,045	\$903,745	\$923,225	\$5,195,062	17,915,591	\$24.16	0.786
SWCT	\$498,162	(\$3)	\$105,693	\$120,333	\$724,185	2,311,014	\$26.11	0.850
SWTR	\$3,677,475	\$173,832	\$1,474,822	\$915,191	\$6,241,320	15,976,814	\$32.55	1.059
USW	\$4,181,720	(\$5)	\$1,246,212	\$1,021,561	\$6,449,488	16,859,395	\$31.88	1.037
CINCINNATI BELL	\$258,805	\$45,088	\$96,291	\$53,044	\$453,228	1,032,640	\$36.58	1.190
Aliant	\$65,132	\$9,492	\$11,972	\$13,210	\$99,806	339,755	\$24.48	0.797
Citizens	\$59,269	\$5,010	\$11,780	\$16,227	\$92,286	302,027	\$25.46	0.829
Frontier	\$121,639	\$0	\$32,808	\$24,945	\$179,392	577,694	\$25.88	0.842
GTE	\$4,366,489	\$126,147	\$1,230,023	\$952,336	\$6,674,995	18,872,083	\$29.47	0.959
Sprint	\$1,363,991	\$3,572	\$512,533	\$375,004	\$2,255,100	7,103,197	\$26.46	0.861
Total Reporting	38,204,946	1,775,464	12,959,279	9,471,576	62,411,265	169,235,266	\$30.73	

Workpaper 2: Estimating the average local charges for Multi-line Business

Average basic service revenue per line from Workpaper1 \$30.73								
Base Period access lines Primary non-primary residential Multi-line business Total	98,005,688 16,720,682 49,215,264 163,941,635							
Residential Monthly Local ServiceUnlimited Calling rate including SLC & Touch Tone (Reference Book, June 1999, Table 1.1. Amount excludes taxes.)	\$17.75							
PICC Primary (January 1999) PICC Secondary (January 1999) Weighted Average (1998 lines)	0.53 1.38 \$0.65							
features, connection, and some other services) in thousands	\$12,959,279							
Assumed percentage residential & single line business Vertical Feature & Connection Charge per line	70%							
per month Average IXC fixed charge (in addition to any PICC pass through charges.)	\$6.59 \$0.65							
Total charge per residential and single line business line	ψ0.03							
(Monthly charge plus vertical feature & connection)	\$24.99							
Average SLC for primary lines Average SLC for secondary lines (Jan 1, 1999)	\$3.50 \$5.88							
Average Monthly charge W/O SLCs	\$21.14							
Average monthly charge for primary lines average monthly charge for non-primary lines	\$24.64 \$27.02							
Total local charge per multi-line busines line	\$44.11							

Workpaper 3: dividing average revenue per minute between Residential (incl. single line business) vs. Multi-line business

Bill Harvesting: Average residential payment per interstate minute 1998

Including fixed charges on bill Average fixed toll charge per residential bill including PICC pass through, Account maintenance and monthly plan charges and some monthly USF pass through charges	\$0.180 \$1.96				
incremental per minute charges	\$0.150				
Average international per minute rate for 1998 (Telecommunications Industry Revenue Report) All interstate and international minutes International minutes	\$0.144 \$0.584				
Conversation Minutes (Telecommunications Industry Revenue Report)					
interstate 3 international	336,696 22,950				
Weighted Average Residential Rate Including all flat charges					
Percentage of interstate & international minutes primary lines (residential & SLB) multi-line business	27.6% 72.4%				
Average multi-l;ine business toll charge per minute	\$0.120				

Workpaper 4: Estimating trend changes in ARPM & Access cost

cpaper	4: Estimating trend c			SS COST							
	Y=In(interstate+international revenue per minute)										
	Regressior										
	Constant		Annual								
	Std Err of Y Est		0.025072		-0.05378						
	R Squared		0.964564								
	No. of Observations		7		semi-annual						
	Degrees of Freedom		5								
					-0.02726						
	X Coefficient(s)	-0.05528	-1.5616								
	Std Err of Coef.	0.004738	0.02119								
	t Statistic	-11.67	-73.70								
	In ARPM	Trend	Constant	predicted	trend						
				p. 6 a. 6 t. 6 t.							
1992	-1.6450	-0.0553	-1.5616	-1.6169	0.1985						
1993	-1.6466	-0.1106									
1994	-1.7244	-0.1658		-1.7274	0.1777						
1995	-1.7760	-0.2211		-1.7827							
1996	-1.8167	-0.2764									
1997	-1.9273	-0.2704									
1998	-1.9430	-0.3869		-1.0933	0.1300						
1990	-1.9430	-0.3609	-1.5010	-1.9400	0.1425						

Workpaper 4: Estimating trend changes in ARPM & Access cost

hahe	r <u> 4: Estimating trend c</u>			33 6031	
	Y=In(revenue per minu		ss)		
	Regression Regression	n Output:			
	Constant		0		Annual
	Std Err of Y Est		0.033639		-0.0498
	R Squared		0.909815		
	No. of Observations		6		semi-annual
	Degrees of Freedom		4		
					-0.02522
	X Coefficient(s)	-0.05108	-1.92069		
	Std Err of Coef.	0.008041	0.031316		
	t Statistic	-6.35	-61.33		
	In (ARPM - access)	Trend	Constant	predicted	trend
1992	-2.0030	-0.0511	-1.9207	-1.9718	0.1392
1993	-1.9827	-0.1022	-1.9207	-2.0229	0.1323
1994	-2.0835	-0.1532	-1.9207	-2.0739	0.1257
1995	-2.1290	-0.2043	-1.9207	-2.1250	0.1194
1996	-2.1436	-0.2554	-1.9207	-2.1761	0.1135
1997	-2.2550	-0.3065	-1.9207	-2.2272	0.1078
1998	-2.1440	-0.3576	-1.9207	-2.2783	0.1025

Workpaper 4: Estimating trend changes in ARPM & Access cost

	: Estimating trend c		ti iii a Aooct	30 0001	
Y	'=ln(access cost per m	,			
	Regressior				
С	Constant		Annual		
S	otd Err of Y Est		0.035037		-0.06707
R	R Squared		0.944986		
Ν	lo. of Observations		6		semi-annual
D	egrees of Freedom		4		
					-0.03412
Х	Coefficient(s)	-0.06942	-2.74925		
S	itd Err of Coef.	0.008375	0.032617		
t ·	Statistic	-8.29	-84.29		
In	n (access per min.)	Trend	Constant	predicted	trend
1992	-2.8458	-0.0694		-2.8187	
1993	-2.9001	-0.1388		-2.8881	
1994	-2.9227	-0.2083	-2.7492	-2.9575	
1995	-2.9885	-0.2777	-2.7492	-3.0269	0.0485
1996	-3.0938	-0.3471	-2.7492	-3.0964	0.0452
1997	-3.2024	-0.4165	-2.7492	-3.1658	0.0422
1998	-3.6461	-0.4860	-2.7492	-3.2352	0.0394

Households	Minutes of IXC toll	Total minutes	Revenue with \$3 minimum	Revenue without \$3 minimum	
0	1461	0	\$4,383	\$0	23.6%
1	70	70	\$210	\$14	1.1%
2	73	146	\$219	\$30	1.2%
3	70	210	\$210	\$43	1.1%
4	54	216	\$162	\$44	0.9%
5	41	205	\$123	\$42	0.7%
6	46	276	\$138	\$57	0.7%
7	39	273	\$117	\$56	0.6%
8	30	240	\$90	\$49	0.5%
9	46	414	\$138	\$85	0.7%
10	35	350	\$105	\$72	0.6%
11	42	462	\$126	\$95	0.7%
12	42	504	\$126	\$104	0.7%
13	29	377	\$87	\$78	0.5%
14	27	378	\$81	\$78	0.4%
15	35	525	\$108	\$108	0.6%
16 or more	4055	448,889	\$92,382	\$92,382	65.5%
Total	6195	453,535	\$98,805	\$93,338	
Percentage loss	s of revenue from	m eliminating S	\$3 minimum	5.5%	
Increase in Per	minute charges	i		\$0.011	

Appendix C: Residential Customer Bills *

Base Case

	Total Monthly Bill for Households with a Single Line												
Interstate													
minutes		1999		000		001		002		003		004	2005
per month	% Households	H-2	H-1										
0	23.4%	\$29.78	\$29.92	\$30.17	\$30.17	\$30.36	\$30.36	\$30.29	\$30.29	\$30.11	\$30.11	\$29.92	\$29.92
1 - 30	20.8%	\$36.22	\$36.42	\$36.57	\$36.50	\$36.61	\$36.55	\$36.41	\$36.35	\$36.11	\$36.06	\$35.81	\$35.76
31 - 75	21.9%	\$46.10	\$46.42	\$46.35	\$46.12	\$46.04	\$45.85	\$45.55	\$45.37	\$44.98	\$44.81	\$44.42	\$44.26
76 - 180	16.7%	\$57.94	\$58.43	\$58.07	\$57.63	\$57.30	\$56.92	\$56.42	\$56.08	\$55.49	\$55.16	\$54.60	\$54.29
181 - 300	9.3%	\$77.37	\$78.11	\$77.31	\$76.57	\$75.86	\$75.23	\$74.42	\$73.83	\$72.96	\$72.40	\$71.57	\$71.04
301 - up	7.9%	\$118.99	\$120.36	\$118.46	\$116.93	\$115.26	\$113.97	\$112.38	\$111.17	\$109.58	\$108.43	\$106.92	\$105.82
Weighted A	vg.	\$50.88	\$51.28	\$51.07	\$50.74	\$50.54	\$50.26	\$49.86	\$49.61	\$49.12	\$48.88	\$48.41	\$48.17
Component	s of the												
	age bill												
Local & vert		\$21.10	\$21.10	\$21.10	\$21.10	\$21.10	\$21.10	\$21.10	\$21.10	\$21.10	\$21.10	\$21.10	\$21.10
Intrastate to	· · ·	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26
	C pass through	\$4.85	\$4.73	\$4.96	\$4.97	\$5.16	\$5.16	\$5.09	\$5.09	\$4.92	\$4.92	\$4.75	\$4.75
	II (less USF)	\$12.13	\$12.09	\$11.64	\$11.36	\$10.99	\$10.74	\$10.43	\$10.20	\$9.91	\$9.69	\$9.42	\$9.20
USF contrib	outions	\$0.53	\$1.10	\$1.11	\$1.05	\$1.03	\$1.00	\$0.98	\$0.95	\$0.93	\$0.91	\$0.88	\$0.86

	Total Monthly Bill for Households with Two Lines												
Interstate minutes		1999		000		001		002		003		004	2005
per month	% Households	H-2	H-1	H-2	H-1	H-2	H-1	H-2	H-1	H-2	H-1	H-2	H-1
1 - 30	23.4% 20.8%	\$56.72 \$63.16	\$57.16 \$63.65	\$58.08 \$64.48	\$58.07 \$64.40	\$58.03 \$64.27	\$58.04 \$64.23	\$57.72 \$63.84	\$57.74 \$63.81	\$57.33 \$63.33	\$57.35 \$63.30	\$56.89 \$62.78	\$56.91 \$62.75
31 - 75 76 - 180 181 - 300	21.9% 16.7% 9.3%	\$73.04 \$84.88 \$104.31	\$73.66 \$85.67 \$105.35	\$74.26 \$85.98 \$105.22	\$74.02 \$85.53 \$104.47	\$73.71 \$84.96 \$103.52	\$73.53 \$84.61 \$102.91	\$72.98 \$83.85 \$101.85	\$72.82 \$83.53 \$101.28	\$72.20 \$82.72 \$100.19	\$72.05 \$82.41 \$99.65	\$71.39 \$81.57 \$98.54	\$71.25 \$81.28 \$98.03
301 - up	7.9%	\$145.93	\$147.60	\$146.36	\$144.83	\$142.92	\$141.65	\$139.81	\$138.62	\$136.81	\$135.68	\$133.89	\$132.82
Weighted A	vg.	\$77.82	\$78.52	\$78.98	\$78.64	\$78.20	\$77.94	\$77.30	\$77.06	\$76.35	\$76.12	\$75.38	\$75.16
Component	s of the age bill												
Local & vert	ical	\$42.20	\$42.20	\$42.20	\$42.20	\$42.20	\$42.20	\$42.20	\$42.20	\$42.20	\$42.20	\$42.20	\$42.20
Intrastate to	II, D.A., etc	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26
SLC & PICC	C pass through	\$10.69	\$10.49	\$11.35	\$11.36	\$11.33	\$11.35	\$11.05	\$11.08	\$10.69	\$10.71	\$10.28	\$10.30
Interstate to USF contrib		\$12.13 \$0.58	\$12.09 \$1.48	\$11.64 \$1.53	\$11.36 \$1.46	\$10.99 \$1.42	\$10.74 \$1.39	\$10.43 \$1.36	\$10.20 \$1.33	\$9.91 \$1.29	\$9.69 \$1.26	\$9.42 \$1.22	\$9.20 \$1.20

^{*} Unlike data presented in some graphs, toll usage is held constant over time in this table..

Appendix C: Residential Customer Bills *

CALLS

				Total Mo	nthly Bill f	or House	holds with	a Single	Line				
Interstate								_					
minutes		1999	2	000		001		002		003	2	004	2005
per month	% Households	H-2	H-1	H-2	H-1	H-2	H-1	H-2	H-1	H-2	H-1	H-2	H-1
0	23.4%	\$29.78	\$29.92	\$29.55	\$29.54	\$30.18	\$30.17	\$30.92	\$30.91	\$31.12	\$31.11	\$31.12	\$31.11
1 - 30	20.8%	\$36.22	\$36.42	\$35.93	\$35.85	\$36.38	\$36.30	\$36.98	\$36.92	\$37.07	\$37.01	\$36.96	\$36.91
31 - 75	21.9%	\$46.10	\$46.42	\$45.66	\$45.42	\$45.70	\$45.49	\$45.99	\$45.80	\$45.82	\$45.64	\$45.47	\$45.31
76 - 180	16.7%	\$57.94	\$58.43	\$57.31	\$56.85	\$56.82	\$56.42	\$56.70	\$56.33	\$56.18	\$55.84	\$55.52	\$55.20
181 - 300	9.3%	\$77.37	\$78.11	\$76.46	\$75.68	\$75.18	\$74.50	\$74.45	\$73.83	\$73.42	\$72.84	\$72.29	\$71.75
301 - up	7.9%	\$118.99	\$120.36	\$117.35	\$115.76	\$114.08	\$112.68	\$111.78	\$110.52	\$109.45	\$108.27	\$107.13	\$106.02
Weighted A	wg.	\$50.88	\$51.28	\$50.35	\$50.00	\$50.14	\$49.83	\$50.23	\$49.96	\$49.89	\$49.63	\$49.39	\$49.15
Component	s of the												
	age bill												
Local & vert		\$21.10	\$21.10	\$21.10	\$21.10	\$21.10	\$21.10	\$21.10	\$21.10	\$21.10	\$21.10	\$21.10	\$21.10
Intrastate to	' '	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26	\$12.26
	C pass through	\$4.85	\$4.73	\$4.35	\$4.35	\$4.93	\$4.93	\$5.63	\$5.63	\$5.82	\$5.82	\$5.83	\$5.83
	oll (less USF)	\$12.13	\$12.09	\$11.44	\$11.16	\$10.69	\$10.43	\$10.10	\$9.85	\$9.60	\$9.37	\$9.15	\$8.93
USF contrib	outions	\$0.53	\$1.10	\$1.20	\$1.14	\$1.15	\$1.11	\$1.14	\$1.11	\$1.11	\$1.08	\$1.06	\$1.03

				Total N	Ionthly Bill	for Hous	eholds wit	h Two Lir	nes				
Interstate minutes per month	% Households	1999 H-2	2 H-1	000 H-2	2 H-1	001 H-2	2 H-1	002 H-2	2 H-1	003 H-2	2 H-1	004 H-2	2005 H-1
0 1 - 30 31 - 75 76 - 180 181 - 300 301 - up	23.4% 20.8% 21.9% 16.7% 9.3% 7.9%	\$56.72 \$63.16 \$73.04 \$84.88 \$104.31 \$145.93	\$57.16 \$63.65 \$73.66 \$85.67 \$105.35 \$147.60	\$56.82 \$63.20 \$72.93 \$84.58 \$103.73 \$144.62	\$56.81 \$63.12 \$72.68 \$84.12 \$102.95 \$143.03	\$57.46 \$63.66 \$72.99 \$84.10 \$102.47 \$141.36	\$57.45 \$63.59 \$72.78 \$83.70 \$101.79 \$139.96	\$58.23 \$64.29 \$73.31 \$84.01 \$101.76 \$139.09	\$58.23 \$64.24 \$73.12 \$83.65 \$101.15 \$137.84	\$58.46 \$64.41 \$73.16 \$83.52 \$100.76 \$136.79	\$58.47 \$64.36 \$73.00 \$83.19 \$100.20 \$135.63	\$58.49 \$64.34 \$72.85 \$82.89 \$99.67 \$134.51	\$58.50 \$64.30 \$72.69 \$82.58 \$99.14 \$133.41
Weighted A	.vg.	\$77.82	\$78.52	\$77.62	\$77.27	\$77.42	\$77.12	\$77.54	\$77.28	\$77.23	\$76.99	\$76.77	\$76.54
Local & vert Intrastate to SLC & PICO	age bill tical bll, D.A., etc C pass through bll (less USF)	\$42.20 \$12.26 \$10.69 \$12.13 \$0.58	\$42.20 \$12.26 \$10.49 \$12.09 \$1.48	\$42.20 \$12.26 \$10.08 \$11.44 \$1.64	\$42.20 \$12.26 \$10.10 \$11.16 \$1.56	\$42.20 \$12.26 \$10.69 \$10.69 \$1.58	\$42.20 \$12.26 \$10.70 \$10.43 \$1.53	\$42.20 \$12.26 \$11.42 \$10.10 \$1.57	\$42.20 \$12.26 \$11.44 \$9.85 \$1.53	\$42.20 \$12.26 \$11.65 \$9.60 \$1.52	\$42.20 \$12.26 \$11.67 \$9.37 \$1.49	\$42.20 \$12.26 \$11.69 \$9.15 \$1.47	\$42.20 \$12.26 \$11.71 \$8.93 \$1.44

^{*} Unlike data presented in some graphs, toll usage is held constant over time in this table..

Appendix D: Access Revenue by Carrier

Base Case

		(Amounts shown	in \$Millions)			
	July 1999 to June 2000	July 2000 to June 2001	July 2001 to June 2002	July 2002 to June 2003	July 2003 to June 2004	July 2004 to June 2005
ALIANT	\$45	\$46	\$49	\$51	\$54	\$58
BELL ATLANTIC	\$6,172	\$6,010	\$6,001	\$5,936	\$5,870	\$5,806
BELLSOUTH	\$4,011	\$4,013	\$4,101	\$4,142	\$4,183	\$4,227
CINCINNATI BELL	\$143	\$142	\$144	\$146	\$148	\$151
CITIZENS	\$223	\$222	\$225	\$227	\$233	\$240
FRONTIER	\$151	\$152	\$148	\$151	\$153	\$158
GTE	\$3,451	\$3,441	\$3,517	\$3,611	\$3,715	\$3,835
SBC	\$7,264	\$7,098	\$7,034	\$7,019	\$7,018	\$7,032
SPRINT	\$1,260	\$1,263	\$1,274	\$1,300	\$1,328	\$1,360
U S WEST	\$2,869	\$2,898	\$2,951	\$3,010	\$3,075	\$3,147
RBOC	\$20,317	\$20,019	\$20,087	\$20,107	\$20,146	\$20,212
Year-over-year change		-1.5%	0.3%	0.1%	0.2%	0.3%
non-RBOC	\$5,272	\$5,266	\$5,357	\$5,486	\$5,633	\$5,801
Year-over-year change		-0.1%	1.7%	2.4%	2.7%	3.0%
Total	\$25,589	\$25,285	\$25,444	\$25,592	\$25,779	\$26,014
Year-over-year change		-1.2%	0.6%	0.6%	0.7%	0.9%
Detail for Totals						
SLC: Primary Line	\$4,204	\$4,264	\$4,324	\$4,385	\$4,437	\$4,481
SLC: Secondary Line	\$1,298	\$1,543	\$1,572	\$1,655	\$1,751	\$1,842
SLC: Multi Line	\$4,553	\$4,772	\$4,894	\$5,064	\$5,315	\$5,550
PICC: Primary Line	\$1,192	\$1,593	\$1,939	\$1,927	\$1,787	\$1,625
PICC: Secondary Line	\$374	\$206	\$115	\$75	\$38	\$22
PICC: Multi Line	\$1,177	\$538	\$285	\$159	\$72	\$48
per Minute	\$6,612	\$6,245	\$6,143	\$6,135	\$6,169	\$6,221
Special & Other	\$6,179	\$6,124	\$6,173	\$6,193	\$6,209	\$6,224

Appendix D: Access Revenue by Carrier (Excluding new USF Access) CALLS

(Amounts shown in \$Millions) July 1999 to July 2000 to July 2001 to July 2002 to July 2003 to July 2004 to June 2000 June 2001 June 2002 June 2003 June 2004 June 2005 ALIANT \$50 \$45 \$44 \$46 \$48 \$52 BELL ATLANTIC \$5,893 \$6,014 \$6,172 \$5,720 \$5,773 \$6,213 BELLSOUTH \$4,011 \$3,723 \$3,809 \$3,993 \$4,176 \$4,413 CINCINNATI BELL \$168 \$143 \$138 \$145 \$152 \$159 **CITIZENS** \$223 \$194 \$196 \$191 \$187 \$195 **FRONTIER** \$151 \$150 \$147 \$154 \$164 \$178 GTE \$3,451 \$3,146 \$3,256 \$3,391 \$3,571 \$3,840 SBC \$7,264 \$6,921 \$6,868 \$6,911 \$7,079 \$7,402 SPRINT \$1,369 \$1,260 \$1,144 \$1,160 \$1,212 \$1,276 U S WEST \$2,869 \$2,749 \$2,800 \$2,901 \$3,059 \$3,268 **RBOC** \$21,295 \$20,317 \$19,113 \$19,249 \$19,699 \$20,328 Year-over-year change -5.9% 0.7% 2.3% 3.2% 4.8% non-RBOC \$4.815 \$4.950 \$5.148 \$5.406 \$5.802 \$5,272 Year-over-year change -8.7% 2.8% 4.0% 5.0% 7.3% \$24,200 \$24,847 \$25,734 \$27,097 Total \$25,589 \$23,928 -6.5% 3.6% 5.3% Year-over-year change 1.1% 2.7% Detail for Totals SLC: Primary Line \$4.204 \$5.295 \$6.096 \$7.056 \$7.401 \$7.516 SLC: Secondary Line \$1.298 \$1.413 \$1,478 \$1.616 \$1.771 \$1.946 \$4,290 \$4,656 \$5,049 SLC: Multi Line \$4,553 \$5,511 \$6,046 PICC: Primary Line \$1,192 \$0 \$0 \$0 \$0 \$0 PICC: Secondary Line \$0 \$0 \$374 \$0 \$0 \$0 PICC: Multi Line \$1,177 \$1,546 \$1,080 \$379 \$212 \$238 \$4,228 per Minute \$6,612 \$4,931 \$4,330 \$4,144 \$4,431 Special & Other \$6,559 \$6,602 \$6,179 \$6,451 \$6,611 \$6,919

Appendix D: New USF Access by Carrier (Amounts shown in \$Millions)

CALLS

	July 1999 to June 2000	July 2000 to June 2001	July 2001 to June 2002	July 2002 to June 2003	July 2003 to June 2004	July 2004 to June 2005
ALIANT	\$0	\$0	\$0	\$0	\$0	\$0
BELL ATLANTIC	\$0	\$69	\$69	\$69	\$69	\$69
BELLSOUTH	\$0 \$0	\$125	\$125	\$125	\$125	\$125
CINCINNATI BELL	\$0 \$0	\$1 \$24	\$1 \$24	\$1 \$24	\$1 \$24	\$1 \$24
CITIZENS	\$0	\$21	\$21	\$21	\$21	\$21
FRONTIER	\$0 \$0	\$1 \$244	\$1	\$1 \$244	\$1	\$1 \$244
GTE	\$0	\$244	\$244	\$244	\$244	\$244
SBC	\$0	\$36	\$36	\$36	\$36	\$36
SPRINT	\$0	\$92	\$92	\$92	\$92	\$92
U S WEST	\$0	\$60	\$60	\$60	\$60	\$60
Total		\$650	\$650	\$650	\$650	\$650

Appendix D: Access Revenue by Carrier (Including new USF Access) CALLS

(Amounts shown in \$Millions) July 1999 to July 2000 to July 2001 to July 2002 to July 2003 to July 2004 to June 2000 June 2001 June 2002 June 2003 June 2004 June 2005 \$45 \$44 \$46 \$48 \$50 ALIANT \$52 \$5,788 **BELL ATLANTIC** \$5,841 \$6,083 \$6,172 \$5,962 \$6,281 \$4,011 \$3,849 \$3,934 \$4,118 \$4,301 \$4,538 BELLSOUTH CINCINNATI BELL \$138 \$146 \$159 \$169 \$143 \$152 **CITIZENS** \$223 \$215 \$217 \$212 \$208 \$216 **FRONTIER** \$151 \$151 \$149 \$156 \$165 \$180 GTE \$3,451 \$3,390 \$3,501 \$3,636 \$3,815 \$4,084 \$7,264 \$7,438 SBC \$6,957 \$6,904 \$6,948 \$7,115 SPRINT \$1,253 \$1,304 \$1,368 \$1,461 \$1,260 \$1,236 U S WEST \$2,869 \$2,810 \$2,860 \$2,962 \$3,119 \$3,328 **RBOC** \$20,317 \$19.403 \$19,539 \$19,989 \$20,618 \$21,585 Year-over-year change -4.5% 0.7% 2.3% 3.1% 4.7% non-RBOC \$5,272 \$5,174 \$5,310 \$5,508 \$5,766 \$6,161 -1.9% Year-over-year change 2.6% 3.7% 4.7% 6.9% \$27,747 Total \$25,589 \$24,578 \$24,850 \$25,497 \$26,384 Year-over-year change -4.0% 1.1% 2.6% 3.5% 5.2% **Detail for Totals** SLC: Primary Line \$4,204 \$5,295 \$6,096 \$7,056 \$7,401 \$7,516 \$1,298 \$1,413 \$1,478 \$1,616 \$1,771 \$1,946 SLC: Secondary Line SLC: Multi Line \$4,290 \$4,656 \$4,553 \$5,049 \$5,511 \$6,046 PICC: Primary Line \$1,192 \$0 \$0 \$0 \$0 \$0 PICC: Secondary Line \$374 \$0 \$0 \$0 \$0 \$0 PICC: Multi Line \$1,080 \$238 \$1,177 \$1,546 \$379 \$212 per Minute \$6.612 \$4.931 \$4.330 \$4.144 \$4.228 \$4.431 Special & Other \$6,179 \$6,451 \$6,559 \$6,602 \$6,611 \$6,919 New Access USF \$0 \$650 \$650 \$650 \$650 \$650 Total \$25,589 \$24,578 \$24,850 \$25,497 \$26,384 \$27,747

Appendix E **January 1 2000**

Appendix E			1						Januar	y 1 2000
		1999	Drimon	Casandani	Multi lino	January		Multi lino	Total Charge	nor 1 00000
		Access Revenue *	Primary SLC	Secondary SLC	Multi-line SLC	Primary PICC	Secondary PICC	Multi-line PICC	Total Charge Minute (incl	
Company	cosa	(\$Billions)	OLO	GLO	OLO	1 100	1100	1100	Originating	Terminating
BELL ATLANTIC	bntr	\$6.3	\$3.50	\$6.07	\$6.91	\$1.04	\$2.34	\$2.34	\$0.0097	\$0.0097
BELLSOUTH	bstr	\$4.0		\$6.07	\$7.77	\$1.04	\$2.53	\$4.31	\$0.0104	\$0.0098
SBC	amtr	\$2.7	\$3.50	\$5.15	\$5.15	\$1.04	\$0.66	\$0.66	\$0.0103	\$0.0103
SBC	swtr	\$2.2		\$6.07	\$7.30	\$0.62	\$0.21	\$0.21	\$0.0110	\$0.0110
SBC	ptca	\$1.9	\$3.50	\$4.80	\$4.80	\$0.55	\$0.00	\$0.00	\$0.0119	\$0.0119
SBC SBC	snct ptnv	\$0.4 \$0.1	\$3.50 \$3.50	\$6.07 \$6.07	\$7.91 \$7.40	\$0.87 \$1.04	\$0.47 \$0.84	\$0.47 \$0.84	\$0.0147 \$0.0159	\$0.0147 \$0.0159
	•								\$0.0139	\$0.0139
U S WEST	ustr	\$3.0	\$3.50	\$6.07	\$7.86	\$1.04	\$2.21	\$2.21	\$0.0098	\$0.0098
ALIANT	Itne	**	\$3.50	\$6.07	\$6.71	\$0.61	\$0.14	\$0.14	\$0.0174	\$0.0174
CINCINNATI BELL	cbtc	\$0.1	\$3.50	\$6.07	\$6.22	\$1.04	\$0.35	\$0.35	\$0.0090	\$0.0090
CITIZENS	ctc1	\$0.2	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0457	\$0.0302
CITIZENS	ctc2	**	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0671	\$0.0402
CITIZENS	ctog		\$3.50	\$4.73	\$4.73	\$0.85	\$0.00	\$0.00	\$0.0212	\$0.0212
FRONTIER	rtny	\$0.1	\$3.50	\$5.30	\$5.30	\$0.84	\$0.00	\$0.00	\$0.0114	\$0.0114
FRONTIER FRONTIER	rtcs vitc	**	\$3.50 \$3.50	\$6.07 \$5.79	\$8.30 \$5.79	\$1.04 \$1.04	\$2.53 \$2.53	\$4.31 \$4.31	\$0.0418 \$0.0339	\$0.0225 \$0.0183
						· ·				
GTE GTE	gtca gtfl	\$0.6 \$0.4	\$3.50 \$3.50	\$6.07 \$6.07	\$7.47 \$8.92	\$1.04 \$1.04	\$2.53 \$2.53	\$4.31 \$4.31	\$0.0178 \$0.0201	\$0.0053 \$0.0064
GTE	gttx	\$0.4	\$3.50 \$3.50	\$6.07	\$9.20	\$1.04 \$1.04	\$2.53	\$4.31 \$4.31	\$0.0201	\$0.0064
GTE	gain	\$0.3	\$3.50	\$6.07	\$8.54	\$1.04	\$2.53	\$4.31	\$0.0355	\$0.0103
GTE	gtwa	\$0.2		\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0311	\$0.0146
GTE	gtoh	\$0.2	\$3.50	\$6.07	\$8.13	\$1.04	\$2.53	\$4.31	\$0.0337	\$0.0135
GTE	gthi	\$0.1	\$3.50	\$6.07	\$9.15	\$1.04	\$2.53	\$4.16	\$0.0169	\$0.0169
GTE	gail	\$0.1	\$3.50	\$6.07	\$8.78	\$1.04	\$2.53	\$4.31	\$0.0352	\$0.0140
GTE	gami	\$0.1	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0264	\$0.0145
GTE	cova	\$0.1	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0244	\$0.0277
GTE	gtor	\$0.1	\$3.50	\$6.07	\$8.87	\$1.04	\$2.53	\$4.31	\$0.0334	\$0.0171
GTE	gtky	\$0.1	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0370	\$0.0178
GTE GTE	gtwi gtpa	\$0.1 \$0.1	\$3.50 \$3.50	\$6.07 \$6.07	\$9.03 \$8.06	\$1.04 \$1.04	\$2.53 \$2.53	\$4.31 \$4.31	\$0.0347 \$0.0277	\$0.0152 \$0.0090
GTE	coca	\$0.1	\$3.50	\$6.07	\$8.52	\$1.04	\$2.53	\$4.31	\$0.0418	\$0.0090
GTE	comt	\$0.1	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0334	\$0.0182
GTE	gtnc	\$0.1	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0333	\$0.0162
GTE	gtid	**	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0482	\$0.0429
GTE	gtst	**	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0325	\$0.0179
GTE	cotx	**	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0364	\$0.0299
GTE	coil	**	\$3.50	\$6.07	\$8.11	\$1.04	\$2.53	\$4.31	\$0.0279	\$0.0259
GTE	coin	**	\$3.50	\$6.07	\$8.17	\$1.04	\$2.53	\$4.31	\$0.0297	\$0.0277
GTE	gtal	**	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0363	\$0.0207
GTE GTE	coit gtia	**	\$3.50 \$3.50	\$6.07 \$6.07	\$8.94 \$9.20	\$1.04 \$1.04	\$2.53 \$2.53	\$4.31 \$4.31	\$0.0313 \$0.0424	\$0.0261 \$0.0280
	-	**				· ·				
GTE GTE	coat conc	**	\$3.50 \$3.50	\$6.07 \$6.07	\$9.20 \$9.20	\$1.04 \$1.04	\$2.53 \$2.53	\$4.31 \$4.31	\$0.0301 \$0.0250	\$0.0223 \$0.0225
GTE	gtok	**	\$3.50	\$6.07	\$8.84	\$1.04	\$2.53	\$4.31	\$0.0297	\$0.0130
GTE	gtmo	**	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0285	\$0.0109
GTE	copt	**	\$3.50	\$6.07	\$7.94	\$1.04	\$2.53	\$4.31	\$0.0305	\$0.0216
GTE	cowa	**	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0403	\$0.0326
GTE	comn	**	\$3.50	\$6.07	\$8.35	\$1.04	\$2.53	\$4.31	\$0.0283	\$0.0225
GTE	coal	**	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0245	\$0.0191
GTE GTE	coky	**	\$3.50 \$3.50	\$6.07 \$6.07	\$9.20 \$9.20	\$1.04 \$1.04	\$2.53 \$2.53	\$4.31 \$4.31	\$0.0242 \$0.0311	\$0.0259 \$0.0159
	gtar	**								
GTE GTE	conm gtne	**	\$3.50 \$3.50	\$6.07 \$6.07	\$9.20 \$8.21	\$1.04 \$1.04	\$2.53 \$2.53	\$4.31 \$4.31	\$0.0819 \$0.0385	\$0.0273 \$0.0197
GTE	gtne gtnm	**	\$3.50 \$3.50	\$6.07 \$6.07	\$9.12	\$1.04 \$1.04	\$2.53 \$2.53	\$4.31 \$4.31	\$0.0385	\$0.0197 \$0.0142
GTE	conv	**	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0324	\$0.0142
GTE	gtva	**	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0213	\$0.0057
GTE	gtmc	**	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0446	\$0.0225
GTE	gtak	**	\$3.50	\$6.07	\$9.15	\$1.04	\$2.53	\$4.31	\$0.0206	\$0.0144
GTE	coaz	**	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0433	\$0.0264
GTE	gnca	**	\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0418	\$0.0184
GTE	gtmn		\$3.50	\$6.07	\$9.20	\$1.04	\$2.53	\$4.31	\$0.0524	\$0.0434
SPRINT	ucfl	\$0.4	\$3.50	\$6.07	\$7.19	\$1.04	\$2.53	\$4.31	\$0.0188	\$0.0119
SPRINT SPRINT	ucnc	\$0.2 \$0.2		\$6.07 \$6.07	\$7.47 \$9.20	\$1.04 \$1.04	\$2.53 \$2.53	\$4.31 \$4.31	\$0.0119 \$0.0355	\$0.0105 \$0.0200
SPRINT	ucmw cenv	\$0.2		\$6.07 \$4.57	\$9.20 \$4.57	\$1.04 \$0.27	\$2.53 \$0.00	\$4.31	\$0.0355	\$0.0200
SPRINT	ucse	\$0.1		\$6.07	\$7.93	\$1.04	\$2.53	\$4.31	\$0.0170	\$0.0070
SPRINT	utoh	\$0.1	\$3.50	\$6.07	\$7.40	\$1.04	\$2.53	\$4.31	\$0.0278	\$0.0176
SPRINT	uteg	\$0.1	\$3.50	\$6.07	\$7.40 \$7.45	\$1.04 \$1.04	\$2.53 \$1.79	\$4.31 \$1.79	\$0.0276	\$0.0176
SPRINT	utin	**	\$3.50	\$6.07	\$7.20	\$1.04	\$2.53	\$4.31	\$0.0319	\$0.0174
SPRINT	utnw	**	\$3.50	\$6.07	\$8.46	\$1.04	\$2.53	\$4.31	\$0.0472	\$0.0263
* Filed 1999 rates time		d augntition	4							

^{*} Filed 1999 rates times estimated quantities

** Amounts less than \$50 million

Appendix E			П						В	ase Case
Compony		1999 Access Revenue * (\$Billions)	Primary SLC	Secondary SLC	Multi-line SLC	July 1 Primary PICC	,2000 Secondary PICC	Multi-line PICC	Total Charge Minute (incl.	Switching)
BELL ATLANTIC	cosa bntr	\$6.3	\$3.50	\$6.86	\$6.86	\$1.56	\$0.40	\$0.40	Originating \$0.0092	Terminating \$0.0092
BELLSOUTH	bstr	\$4.0	\$3.50	\$7.24	\$7.70	\$1.56	\$1.93	\$1.93	\$0.0093	\$0.0093
SBC SBC	amtr swtr	\$2.7 \$2.2	\$3.50 \$3.50	\$5.34 \$5.51	\$5.34 \$5.51	\$0.86 \$1.38	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0098 \$0.0105	\$0.0098 \$0.0105
SBC	ptca	\$1.9	\$3.50	\$5.03	\$5.03	\$0.01	\$0.00	\$0.00	\$0.0114	\$0.0114
SBC SBC	snct ptnv	\$0.4 \$0.1	\$3.50 \$3.50	\$6.28 \$7.24	\$6.28 \$7.34	\$1.32 \$0.81	\$0.00 \$0.04	\$0.00 \$0.04	\$0.0140 \$0.0152	\$0.0140 \$0.0152
U S WEST	ustr	\$3.0	\$3.50	\$7.24	\$7.82	\$1.56	\$0.27	\$0.27	\$0.0094	\$0.0094
ALIANT CINCINNATI BELL	Itne cbtc	** \$0.1	\$3.50 \$3.50	\$5.35 \$5.48	\$5.35 \$5.48	\$0.98 \$1.25	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0166 \$0.0086	\$0.0166 \$0.0086
CITIZENS	ctc1	\$0.2	\$3.50	\$7.24	\$9.46	\$1.56	\$3.58	\$5.89	\$0.0384	\$0.0231
CITIZENS	ctc2	**	\$3.50	\$7.24	\$9.46	\$1.56	\$3.58	\$5.89	\$0.0664	\$0.0288
CITIZENS	ctog		\$3.50	\$4.36	\$4.36	\$0.50	\$0.00	\$0.00	\$0.0202	\$0.0202
FRONTIER FRONTIER	rtny rtcs	\$0.1 **	\$3.50 \$3.50	\$4.67 \$7.24	\$4.67 \$8.25	\$0.93 \$1.56	\$0.00 \$3.58	\$0.00 \$5.89	\$0.0109 \$0.0236	\$0.0109 \$0.0214
FRONTIER	vitc	**	\$3.50	\$5.75	\$5.75	\$1.56	\$3.58	\$5.89	\$0.0206	\$0.0175
GTE	gtca	\$0.6	\$3.50	\$7.24	\$7.40	\$1.56	\$3.58	\$4.69	\$0.0051	\$0.0051
GTE GTE	gtfl gttx	\$0.4 \$0.3	\$3.50 \$3.50	\$7.24 \$7.24	\$8.98 \$9.25	\$1.56 \$1.56	\$3.58 \$3.58	\$5.89 \$5.89	\$0.0077 \$0.0117	\$0.0061 \$0.0104
GTE	gain	\$0.3	\$3.50	\$7.24	\$9.46	\$1.56	\$3.58	\$5.89	\$0.0117	\$0.0104
GTE	gtwa	\$0.2	\$3.50	\$7.24	\$9.46	\$1.56	\$3.58	\$5.89	\$0.0218	\$0.0105
GTE	gtoh	\$0.2	\$3.50	\$7.24	\$8.01	\$1.56	\$3.58	\$5.89	\$0.0183	\$0.0115
GTE GTE	gthi gail	\$0.1 \$0.1	\$3.50 \$3.50	\$7.24 \$7.24	\$9.11 \$8.68	\$1.56 \$1.56	\$1.61 \$3.58	\$1.61 \$5.89	\$0.0161 \$0.0169	\$0.0161 \$0.0134
GTE	gami	\$0.1	\$3.50	\$7.24	\$9.34	\$1.56	\$3.58	\$3.63	\$0.0138	\$0.0138
GTE	cova	\$0.1	\$3.50	\$7.24	\$9.46	\$1.56	\$3.58	\$5.89	\$0.0242	\$0.0202
GTE	gtor	\$0.1	\$3.50	\$7.24	\$8.70	\$1.56	\$3.58	\$5.89	\$0.0289	\$0.0115
GTE GTE	gtky gtwi	\$0.1 \$0.1	\$3.50 \$3.50	\$7.24 \$7.24	\$9.46 \$8.49	\$1.56 \$1.56	\$3.58 \$3.58	\$5.89 \$5.89	\$0.0276 \$0.0182	\$0.0136 \$0.0145
GTE	gtpa	\$0.1	\$3.50	\$7.24	\$8.16	\$1.56	\$3.58	\$5.89	\$0.0095	\$0.0085
GTE	coca	\$0.1	\$3.50	\$7.24	\$8.40	\$1.56	\$3.58	\$5.89	\$0.0279	\$0.0148
GTE GTE	comt	\$0.1 \$0.1	\$3.50 \$3.50	\$7.24 \$7.24	\$9.46 \$9.46	\$1.56 \$1.56	\$3.58 \$3.58	\$5.89 \$5.89	\$0.0226 \$0.0279	\$0.0136 \$0.0120
GTE	gtnc gtid	φυ. i	\$3.50	\$7.24 \$7.24	\$9.46 \$9.46	\$1.56	\$3.58	\$5.89	\$0.0279	\$0.0120
GTE GTE	gtst cotx	**	\$3.50 \$3.50	\$7.24 \$7.24	\$9.46 \$9.46	\$1.56 \$1.56	\$3.58 \$3.58	\$5.89 \$5.89	\$0.0296 \$0.0363	\$0.0109 \$0.0153
GTE	coil	**	\$3.50	\$7.24	\$7.94	\$1.56	\$3.58	\$5.89	\$0.0277	\$0.0164
GTE	coin	**	\$3.50	\$7.24	\$7.99	\$1.56	\$3.58	\$5.89	\$0.0294	\$0.0169
GTE GTE	gtal	**	\$3.50	\$7.24	\$9.46 \$8.82	\$1.56 \$1.56	\$3.58 \$3.58	\$5.89 \$5.89	\$0.0351 \$0.0311	\$0.0123 \$0.0160
GTE	coit gtia	**	\$3.50 \$3.50	\$7.24 \$7.24	\$0.02 \$9.46	\$1.56	\$3.58	\$5.89	\$0.0311	\$0.0180
GTE	coat	**	\$3.50	\$7.24	\$9.46	\$1.56	\$3.58	\$5.89	\$0.0299	\$0.0121
GTE	conc	**	\$3.50	\$7.24	\$9.46	\$1.56	\$3.58	\$5.89	\$0.0248	\$0.0122
GTE GTE	gtok gtmo	**	\$3.50 \$3.50	\$7.24 \$7.24	\$8.75 \$9.46	\$1.56 \$1.56	\$3.58 \$3.58	\$5.89 \$5.69	\$0.0173 \$0.0104	\$0.0110 \$0.0104
GTE	copt	**	\$3.50	\$7.24	\$7.92	\$1.56	\$3.58	\$5.89	\$0.0304	\$0.0105
GTE	cowa	**	\$3.50	\$7.24	\$9.46	\$1.56	\$3.58	\$5.89	\$0.0400	\$0.0207
GTE	comn	**	\$3.50	\$7.24	\$8.32	\$1.56	\$3.58	\$5.89	\$0.0281	\$0.0117
GTE GTE	coal coky	**	\$3.50 \$3.50	\$7.24 \$7.24	\$9.23 \$9.46	\$1.56 \$1.56	\$3.58 \$3.58	\$5.89 \$5.89	\$0.0244 \$0.0240	\$0.0084 \$0.0145
GTE	gtar	**	\$3.50	\$7.24	\$9.46	\$1.56	\$3.58	\$5.89	\$0.0253	\$0.0097
GTE	conm	**	\$3.50	\$7.24	\$9.46	\$1.56	\$3.58	\$5.89	\$0.0717	\$0.0215
GTE GTE	gtne	**	\$3.50	\$7.24 \$7.24	\$9.46 \$8.93	\$1.56	\$3.58	\$5.89	\$0.0200	\$0.0150 \$0.0128
GTE	gtnm conv	**	\$3.50 \$3.50	\$7.24 \$7.24	\$6.93 \$9.13	\$1.56 \$1.56	\$3.58 \$3.58	\$5.89 \$5.89	\$0.0262 \$0.0323	\$0.0126
GTE	gtva	**	\$3.50	\$7.24	\$9.44	\$1.56	\$3.58	\$5.89	\$0.0111	\$0.0055
GTE	gtmc	**	\$3.50 \$3.50	\$7.24 \$7.24	\$9.46	\$1.56 \$1.56	\$3.58	\$5.89	\$0.0331	\$0.0215
GTE GTE	gtak coaz	**	\$3.50 \$3.50	\$7.24 \$7.24	\$9.15 \$9.46	\$1.56 \$1.56	\$2.83 \$3.58	\$2.83 \$5.89	\$0.0138 \$0.0324	\$0.0138 \$0.0252
GTE GTE	gnca	**	\$3.50	\$7.24	\$9.15	\$1.56	\$3.58	\$5.89	\$0.0261	\$0.0176
SPRINT	gtmn ucfl	\$0.4	\$3.50 \$3.50	\$7.24 \$7.13	\$9.46 \$7.13	\$1.56 \$1.56	\$3.58 \$3.58	\$5.89 \$3.78	\$0.0522 \$0.0114	\$0.0321 \$0.0114
SPRINT	ucnc	\$0.2	\$3.50	\$6.86	\$6.86	\$1.56	\$2.14	\$2.14	\$0.0114	\$0.0101
SPRINT	ucmw	\$0.2	\$3.50	\$7.24	\$9.09	\$1.56	\$3.58	\$5.89	\$0.0241	\$0.0153
SPRINT SPRINT	cenv ucse	\$0.1 \$0.1	\$3.50 \$3.50	\$4.36 \$7.24	\$4.36 \$7.89	\$0.10 \$1.56	\$0.00 \$2.50	\$0.00 \$2.50	\$0.0073 \$0.0086	\$0.0073 \$0.0086
SPRINT	utoh	\$0.1	\$3.50	\$7.24	\$7.34	\$1.56	\$3.58	\$3.86	\$0.0168	\$0.0060
SPRINT	uteg	\$0.1	\$3.50	\$7.24	\$7.42	\$1.24	\$0.06	\$0.06	\$0.0125	\$0.0125
SPRINT	utin	**	\$3.50	\$7.11 \$7.24	\$7.11 \$0.16	\$1.56 \$1.56	\$3.58 \$3.58	\$5.30 \$5.80	\$0.0166	\$0.0166 \$0.0251
SPRINT	utnw	<u> </u>	\$3.50	\$7.24	\$9.16	\$1.56	\$3.58	\$5.89	\$0.0273	\$0.0251

^{*} Filed 1999 rates times estimated quantities
** Amounts less than \$50 million

Appendix E									В	ase Case
Componi		1999 Access Revenue *	Primary SLC	Secondary SLC	Multi-line SLC	July 1, Primary PICC	2001 Secondary PICC	Multi-line PICC	Total Charge	. Switching)
Company BELL ATLANTIC	cosa bntr	(\$Billions) \$6.3	\$3.50	\$6.19	\$6.19	\$1.82	\$0.00	\$0.00	Originating \$0.0088	Terminating \$0.0088
BELLSOUTH	bstr	\$4.0	\$3.50	\$7.65	\$7.65	\$2.09	\$0.19	\$0.19	\$0.0089	\$0.0089
SBC SBC	amtr swtr	\$2.7 \$2.2	\$3.50 \$3.50	\$5.09 \$5.26	\$5.09 \$5.26	\$0.66 \$1.15	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0094 \$0.0100	\$0.0094 \$0.0100
SBC	ptca	\$1.9	\$3.50	\$4.42	\$4.42	\$0.24	\$0.00	\$0.00	\$0.0109	\$0.0109
SBC SBC	snct	\$0.4	\$3.50	\$6.00 \$5.77	\$6.00 \$5.77	\$1.10	\$0.00	\$0.00	\$0.0134	\$0.0134
U S WEST	ptnv ustr	\$0.1 \$3.0	\$3.50 \$3.50	\$5.77 \$6.59	\$5.77 \$6.59	\$1.51 \$2.08	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0145 \$0.0090	\$0.0145 \$0.0090
ALIANT	Itne	**	\$3.50	\$5.11	\$5.11	\$0.78	\$0.00	\$0.00	\$0.0159	\$0.0159
CINCINNATI BELL CITIZENS	cbtc ctc1	\$0.1 \$0.2	\$3.50 \$3.50	\$5.23 \$8.38	\$5.23 \$9.64	\$1.04 \$2.09	\$0.00 \$4.65	\$0.00 \$7.51	\$0.0082 \$0.0271	\$0.0082 \$0.0220
CITIZENS	ctc2	**	\$3.50	\$8.38	\$9.64	\$2.09	\$4.65	\$7.51	\$0.0555	\$0.0220
CITIZENS	ctog	**	\$3.50	\$4.16	\$4.16	\$0.31	\$0.00	\$0.00	\$0.0193	\$0.0193
FRONTIER	rtny	\$0.1 **	\$3.50	\$4.46	\$4.46	\$0.72	\$0.00	\$0.00	\$0.0104	\$0.0104
FRONTIER FRONTIER	rtcs vitc	**	\$3.50 \$3.50	\$8.19 \$5.72	\$8.19 \$5.72	\$2.09 \$2.09	\$2.86 \$4.06	\$2.86 \$4.06	\$0.0205 \$0.0167	\$0.0205 \$0.0167
GTE		\$0.6	\$3.50	\$7.34	\$7.34	\$2.09	\$2.66	\$2.66	\$0.0048	\$0.0107
GTE	gtca gtfl	\$0.6	\$3.50 \$3.50	\$7.34 \$8.38	\$7.34 \$8.76	\$2.09	\$3.30	\$3.30	\$0.0048	\$0.0048
GTE	gttx	\$0.3	\$3.50	\$8.38	\$9.19	\$2.09	\$3.25	\$3.25	\$0.0099	\$0.0099
GTE GTE	gain	\$0.2 \$0.2	\$3.50 \$3.50	\$8.38 \$8.38	\$8.42 \$9.64	\$2.09 \$2.09	\$4.65 \$4.65	\$7.29 \$5.18	\$0.0135 \$0.0101	\$0.0135 \$0.0101
	gtwa									
GTE GTE	gtoh gthi	\$0.2 \$0.1	\$3.50 \$3.50	\$7.92 \$8.38	\$7.92 \$9.07	\$2.09 \$1.73	\$4.16 \$0.18	\$4.16 \$0.18	\$0.0110 \$0.0154	\$0.0110 \$0.0154
GTE	gail	\$0.1	\$3.50	\$8.38	\$8.59	\$2.09	\$3.43	\$3.43	\$0.0128	\$0.0128
GTE	gami	\$0.1	\$3.50	\$8.38	\$9.26	\$2.09	\$0.29	\$0.29	\$0.0132	\$0.0132
GTE	cova	\$0.1	\$3.50	\$8.38	\$9.49	\$2.09	\$4.65	\$7.51	\$0.0240	\$0.0122
GTE GTE	gtor gtky	\$0.1 \$0.1	\$3.50 \$3.50	\$8.38 \$8.38	\$9.64 \$9.64	\$2.09 \$2.09	\$4.65 \$4.65	\$7.51 \$7.51	\$0.0123 \$0.0143	\$0.0109 \$0.0130
GTE	gtwi	\$0.1	\$3.50	\$8.10	\$8.10	\$2.09	\$3.40	\$3.40	\$0.0139	\$0.0130
GTE	gtpa	\$0.1	\$3.50	\$7.89	\$7.89	\$2.09	\$2.72	\$2.72	\$0.0081	\$0.0081
GTE	coca	\$0.1	\$3.50	\$8.30	\$8.30	\$2.09	\$4.65	\$6.65	\$0.0141	\$0.0141
GTE GTE	comt	\$0.1 \$0.1	\$3.50	\$8.38 \$8.38	\$9.64 \$9.64	\$2.09 \$2.09	\$4.57	\$4.57	\$0.0129	\$0.0129 \$0.0115
GTE	gtnc gtid	**	\$3.50 \$3.50	\$8.38	\$9.64 \$9.64	\$2.09	\$4.65 \$4.65	\$7.51 \$7.51	\$0.0131 \$0.0475	\$0.0115
GTE	gtst	**	\$3.50	\$8.38	\$9.64	\$2.09	\$4.65	\$7.51	\$0.0162	\$0.0104
GTE	cotx	**	\$3.50	\$8.38	\$9.64	\$2.09	\$4.65	\$7.51	\$0.0156	\$0.0124
GTE	coil	**	\$3.50	\$8.38	\$9.64	\$2.09	\$4.65	\$7.51	\$0.0188	\$0.0093
GTE GTE	coin gtal	**	\$3.50 \$3.50	\$7.87 \$8.38	\$7.87 \$9.64	\$2.09 \$2.09	\$4.65 \$4.65	\$7.51 \$7.51	\$0.0200 \$0.0197	\$0.0115 \$0.0117
GTE	coit	**	\$3.50	\$8.38	\$8.73	\$2.09	\$4.65	\$7.51	\$0.0213	\$0.0108
GTE	gtia	**	\$3.50	\$8.38	\$9.64	\$2.09	\$4.65	\$7.51	\$0.0233	\$0.0173
GTE	coat	**	\$3.50	\$8.38	\$9.64	\$2.09	\$4.65	\$7.51	\$0.0182	\$0.0082
GTE GTE	conc gtok	**	\$3.50 \$3.50	\$8.38 \$8.38	\$9.64 \$8.65	\$2.09 \$2.09	\$4.65 \$4.32	\$7.51 \$4.32	\$0.0172 \$0.0105	\$0.0072 \$0.0105
GTE	gtmo	**	\$3.50	\$8.38	\$9.51	\$2.09	\$1.90	\$1.90	\$0.0099	\$0.0099
GTE	copt	**	\$3.50	\$8.38	\$9.64	\$2.09	\$4.65	\$7.51	\$0.0137	\$0.0067
GTE	cowa	**	\$3.50	\$8.38	\$9.34	\$2.09	\$4.65	\$7.51	\$0.0377	\$0.0101
GTE GTE	comn coal	**	\$3.50 \$3.50	\$8.38 \$8.38	\$9.64 \$9.20	\$2.09 \$2.09	\$4.65 \$4.65	\$7.51 \$7.51	\$0.0122 \$0.0125	\$0.0083 \$0.0062
GTE	coky	**	\$3.50	\$8.38	\$9.20	\$2.09	\$4.65	\$7.51	\$0.0125	\$0.0062
GTE	gtar	**	\$3.50	\$8.38	\$9.64	\$2.09	\$4.65	\$7.51	\$0.0117	\$0.0093
GTE	conm	**	\$3.50	\$8.38	\$9.64	\$2.09	\$4.65	\$7.51	\$0.0513	\$0.0205
GTE GTE	gtne	**	\$3.50	\$8.04 \$8.38	\$8.04 \$9.64	\$2.09	\$4.65 \$4.65	\$5.44	\$0.0143 \$0.0122	\$0.0143 \$0.0122
GTE	gtnm conv	**	\$3.50 \$3.50	\$8.38 \$8.38	\$9.64 \$9.08	\$2.09 \$2.09	\$4.65 \$4.65	\$6.73 \$7.51	\$0.0122	\$0.0122
GTE	gtva	**	\$3.50	\$8.38	\$9.64	\$2.09	\$4.65	\$4.77	\$0.0052	\$0.0052
GTE	gtmc	**	\$3.50	\$8.38	\$9.36	\$2.09	\$4.65	\$7.51	\$0.0242	\$0.0205
GTE	gtak	**	\$3.50	\$8.38	\$9.15	\$2.06	\$0.00	\$0.00	\$0.0132	\$0.0132
GTE GTE	coaz gnca	**	\$3.50 \$3.50	\$8.38 \$8.38	\$9.64 \$8.89	\$2.09 \$2.09	\$4.65 \$4.65	\$7.26 \$6.11	\$0.0241 \$0.0168	\$0.0241 \$0.0168
GTE	gtmn	**	\$3.50	\$8.38	\$9.64	\$2.09	\$4.65	\$7.51	\$0.0519	\$0.0208
SPRINT	ucfl	\$0.4	\$3.50	\$7.07	\$7.07	\$2.09	\$1.86	\$1.86	\$0.0108	\$0.0108
SPRINT	ucnc	\$0.2	\$3.50	\$7.39	\$7.39	\$1.79	\$0.00	\$0.00	\$0.0096	\$0.0096
SPRINT SPRINT	ucmw cenv	\$0.2 \$0.1	\$3.50 \$3.44	\$8.38 \$4.16	\$9.52 \$4.16	\$2.09 \$0.00	\$4.50 \$0.00	\$4.50 \$0.00	\$0.0146 \$0.0070	\$0.0146 \$0.0070
SPRINT	ucse	\$0.1	\$3.50	\$7.85	\$7.85	\$2.09	\$0.07	\$0.07	\$0.0070	\$0.0070
SPRINT	utoh	\$0.1	\$3.50	\$7.25	\$7.25	\$2.09	\$1.04	\$1.04	\$0.0160	\$0.0160
SPRINT	uteg	\$0.1	\$3.50	\$5.84	\$5.84	\$1.63	\$0.00	\$0.00	\$0.0119	\$0.0119
SPRINT SPRINT	utin utnw	**	\$3.50 \$3.50	\$7.03 \$8.35	\$7.03 \$8.35	\$2.09 \$2.09	\$1.88 \$4.04	\$1.88 \$4.04	\$0.0159 \$0.0239	\$0.0159 \$0.0239
OI ININI	duiw	<u> </u>	\$5.50	ψυ.33	φυ.33	Ψ2.09	φ4.04	ψ4.04	Ψ0.0239	ψ0.0239

^{*} Filed 1999 rates times estimated quantities
** Amounts less than \$50 million

Appendix E		1999	1			luk 1	2002		В	ase Case
		Access	Primary	Secondary	Multi-line	July 1, Primary	Secondary	Multi-line	Total Charge	ner Access
		Revenue *	SLC	SLC	SLC	PICC	PICC	PICC	Minute (incl.	Switching)
Company	cosa	(\$Billions)							Originating	Terminating
BELL ATLANTIC	bntr	\$6.3	\$3.50	\$5.91	\$5.91	\$1.58	\$0.00	\$0.00	\$0.0084	\$0.0084 \$0.0085
BELLSOUTH	bstr	\$4.0	\$3.50	\$6.85	\$6.85	\$2.30	\$0.00	\$0.00	\$0.0085	
SBC SBC	amtr	\$2.7	\$3.50 \$3.50	\$4.86	\$4.86 \$5.02	\$0.47 \$0.94	\$0.00	\$0.00 \$0.00	\$0.0089 \$0.0096	\$0.0089 \$0.0096
SBC	swtr ptca	\$2.2 \$1.9	\$3.50 \$3.50	\$5.02 \$4.22	\$5.02 \$4.22	\$0.94 \$0.07	\$0.00 \$0.00	\$0.00	\$0.0096	\$0.0096
SBC	snct	\$0.4	\$3.50	\$5.72	\$5.72	\$0.89	\$0.00	\$0.00	\$0.0128	\$0.0128
SBC	ptnv	\$0.1	\$3.50	\$7.27	\$7.27	\$0.33	\$0.00	\$0.00	\$0.0139	\$0.0139
U S WEST	ustr	\$3.0	\$3.50	\$6.29	\$6.29	\$1.82	\$0.00	\$0.00	\$0.0086	\$0.0086
ALIANT	Itne	**	\$3.50	\$4.88	\$4.88	\$0.58	\$0.00	\$0.00	\$0.0152	\$0.0152
CINCINNATI BELL	cbtc	\$0.1	\$3.50	\$4.99	\$4.99	\$0.83	\$0.00	\$0.00	\$0.0078	\$0.0078
CITIZENS	ctc1	\$0.2 **	\$3.50	\$9.54	\$9.69	\$2.63	\$5.74	\$7.34	\$0.0210	\$0.0210
CITIZENS CITIZENS	ctc2	**	\$3.50 \$3.50	\$9.54 \$3.97	\$9.83 \$3.97	\$2.63 \$0.14	\$5.74 \$0.00	\$9.16 \$0.00	\$0.0425 \$0.0184	\$0.0242 \$0.0184
	ctog									•
FRONTIER FRONTIER	rtny rtcs	\$0.1 **	\$3.50 \$3.50	\$4.25 \$7.85	\$4.25 \$7.85	\$0.53 \$2.63	\$0.00 \$0.67	\$0.00 \$0.67	\$0.0099 \$0.0195	\$0.0099 \$0.0195
FRONTIER	vitc	**	\$3.50	\$5.69	\$5.69	\$2.63	\$2.18	\$2.18	\$0.0159	\$0.0159
GTE	gtca	\$0.6	\$3.50	\$7.28	\$7.28	\$2.63	\$1.07	\$1.07	\$0.0046	\$0.0046
GTE	gtfl	\$0.4	\$3.50	\$8.70	\$8.70	\$2.63	\$1.13	\$1.13	\$0.0055	\$0.0055
GTE	gttx	\$0.3	\$3.50	\$9.14	\$9.14	\$2.63	\$1.39	\$1.39	\$0.0095	\$0.0095
GTE	gain	\$0.2	\$3.50	\$8.36	\$8.36	\$2.63	\$3.99	\$3.99	\$0.0128	\$0.0128
GTE	gtwa	\$0.2	\$3.50	\$9.15	\$9.15	\$2.63	\$2.86	\$2.86	\$0.0096	\$0.0096
GTE	gtoh	\$0.2	\$3.50	\$7.86	\$7.86	\$2.63	\$1.47	\$1.47	\$0.0105	\$0.0105
GTE	gthi	\$0.1	\$3.50	\$9.03	\$9.03	\$1.20	\$0.00	\$0.00	\$0.0147	\$0.0147
GTE GTE	gail	\$0.1	\$3.50	\$8.52	\$8.52	\$2.63 \$2.50	\$0.73	\$0.73	\$0.0122	\$0.0122 \$0.0126
GTE	gami cova	\$0.1 \$0.1	\$3.50 \$3.50	\$7.18 \$9.38	\$7.18 \$9.38	\$2.50 \$2.63	\$0.00 \$5.74	\$0.00 \$9.16	\$0.0126 \$0.0226	\$0.0126
GTE	gtor	\$0.1	\$3.50	\$8.42	\$8.42	\$2.63	\$5.63	\$5.63	\$0.0104	\$0.0104
GTE	gtky	\$0.1	\$3.50	\$9.54	\$9.83	\$2.63	\$4.08	\$4.08	\$0.0104	\$0.0104
GTE	gtwi	\$0.1	\$3.50	\$7.82	\$7.82	\$2.63	\$0.88	\$0.88	\$0.0132	\$0.0132
GTE	gtpa	\$0.1	\$3.50	\$7.84	\$7.84	\$2.63	\$0.10	\$0.10	\$0.0077	\$0.0077
GTE	coca	\$0.1	\$3.50	\$8.51	\$8.51	\$2.63	\$2.96	\$2.96	\$0.0135	\$0.0135
GTE	comt	\$0.1	\$3.50	\$9.54	\$9.83	\$2.45	\$1.51	\$1.51	\$0.0124	\$0.0124
GTE	gtnc	\$0.1	\$3.50	\$9.31	\$9.31	\$2.63	\$5.42	\$5.42	\$0.0110	\$0.0110
GTE	gtid	**	\$3.50	\$9.54	\$9.83	\$2.63	\$5.74 \$5.74	\$9.16	\$0.0472	\$0.0177
GTE GTE	gtst cotx	**	\$3.50 \$3.50	\$9.44 \$9.54	\$9.44 \$9.83	\$2.63 \$2.63	\$5.74 \$3.16	\$6.93 \$3.16	\$0.0099 \$0.0119	\$0.0099 \$0.0119
GTE	coil	**	\$3.50	\$9.54	\$9.83	\$2.63	\$5.74	\$6.11	\$0.0088	\$0.0088
GTE	coin	**	\$3.50	\$7.76	\$7.76	\$2.63	\$5.74	\$7.31	\$0.008	\$0.0110
GTE	gtal	**	\$3.50	\$9.54	\$9.83	\$2.63	\$5.74	\$6.40	\$0.0112	\$0.0112
GTE	coit	**	\$3.50	\$8.63	\$8.63	\$2.63	\$5.74	\$8.16	\$0.0103	\$0.0103
GTE	gtia	**	\$3.50	\$9.54	\$9.82	\$2.63	\$5.09	\$5.09	\$0.0165	\$0.0165
GTE	coat	**	\$3.50	\$9.54	\$9.83	\$2.63	\$5.74	\$6.98	\$0.0078	\$0.0078
GTE	conc	**	\$3.50	\$9.54	\$9.83	\$2.63	\$5.74	\$8.67	\$0.0069	\$0.0069
GTE GTE	gtok	**	\$3.50 \$3.50	\$8.61 \$9.45	\$8.61 \$9.45	\$2.63 \$2.26	\$2.35 \$0.00	\$2.35 \$0.00	\$0.0100 \$0.0094	\$0.0100 \$0.0094
GTE	gtmo copt	**	\$3.50	\$9.54	\$9.83	\$2.63	\$5.59	\$5.59	\$0.0094	\$0.0094
GTE	cowa	**	\$3.50	\$9.54	\$9.83	\$2.63	\$5.74	\$9.16	\$0.0199	\$0.0096
GTE	comn	**	\$3.50	\$8.21	\$8.21	\$2.63	\$5.74 \$5.74	\$5.88	\$0.0199	\$0.0090
GTE	coal	**	\$3.50	\$9.03	\$9.03	\$2.63	\$5.57	\$5.57	\$0.0059	\$0.0059
GTE	coky	**	\$3.50	\$9.54	\$9.83	\$2.63	\$5.74	\$5.83	\$0.0063	\$0.0063
GTE	gtar	**	\$3.50	\$9.54	\$9.83	\$2.63	\$3.75	\$3.75	\$0.0088	\$0.0088
GTE	conm	**	\$3.50	\$9.54	\$9.83	\$2.63	\$5.74	\$9.16	\$0.0331	\$0.0196
GTE	gtne	**	\$3.50	\$7.97	\$7.97	\$2.63	\$2.84	\$2.84	\$0.0137	\$0.0137
GTE GTE	gtnm	**	\$3.50 \$3.50	\$8.69 \$9.01	\$8.69 \$9.01	\$2.63 \$2.63	\$5.21 \$5.74	\$5.21 \$0.16	\$0.0117 \$0.0157	\$0.0117
GTE	conv gtva	**	\$3.50 \$3.50	\$9.01 \$9.54	\$9.01 \$9.83	\$2.63 \$2.41	\$5.74 \$2.00	\$9.16 \$2.00	\$0.0157 \$0.0050	\$0.0052 \$0.0050
GTE	-	**	\$3.50	\$9.54	\$9.83	\$2.41	\$3.10	\$3.10	\$0.0030	\$0.0030
GTE	gtmc gtak	**	\$3.50 \$3.50	\$9.54 \$6.81	\$9.83 \$6.81	\$2.63 \$2.63	\$3.10 \$0.85	\$3.10	\$0.0196	\$0.0196
GTE	coaz	**	\$3.50	\$9.54	\$9.83	\$2.63	\$3.92	\$3.92	\$0.0230	\$0.0230
GTE	gnca	**	\$3.50	\$8.68	\$8.68	\$2.63	\$3.80	\$3.80	\$0.0160	\$0.0160
GTE	gtmn	**	\$3.50	\$9.54	\$9.83	\$2.63	\$5.74	\$9.16	\$0.0517	\$0.0115
SPRINT	ucfl	\$0.4	\$3.50	\$7.21	\$7.21	\$2.57	\$0.00	\$0.00	\$0.0103	\$0.0103
SPRINT	ucnc	\$0.2	\$3.50	\$6.36	\$6.36	\$1.94	\$0.00	\$0.00	\$0.0092	\$0.0092
SPRINT	ucmw	\$0.2		\$9.50	\$9.50	\$2.63	\$1.77	\$1.77	\$0.0139	\$0.0139
SPRINT SPRINT	cenv ucse	\$0.1 \$0.1	\$3.28 \$3.50	\$3.97 \$6.87	\$3.97 \$6.87	\$0.00 \$2.23	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0066 \$0.0079	\$0.0066 \$0.0079
SPRINT SPRINT	utoh uteg	\$0.1 \$0.1	\$3.50 \$3.50	\$6.94 \$5.57	\$6.94 \$5.57	\$2.19 \$1.39	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0153 \$0.0114	\$0.0153 \$0.0114
SPRINT	utin	ψ0.1 **	\$3.50	\$7.23	\$7.23	\$2.23	\$0.00	\$0.00	\$0.0114	\$0.0114
SPRINT	utnw	**	\$3.50	\$8.28	\$8.28	\$2.63	\$1.75	\$1.75	\$0.0229	\$0.0229
* Filad 1000 rates time		1	1							

^{*} Filed 1999 rates times estimated quantities
** Amounts less than \$50 million

Appendix E		1000	1				2000		В	ase Case
Company	cosa	1999 Access Revenue * (\$Billions)	Primary SLC	Secondary SLC	Multi-line SLC	July 1, Primary PICC	Secondary PICC	Multi-line PICC	Total Charge Minute (incl. Originating	
BELL ATLANTIC BELLSOUTH	bntr bstr	\$6.3 \$4.0	\$3.50 \$3.50	\$5.64 \$6.53	\$5.64 \$6.53	\$1.35 \$2.04	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0080 \$0.0081	\$0.0080 \$0.0081
SBC	amtr	\$2.7	\$3.50	\$4.64	\$4.64	\$0.29	\$0.00	\$0.00	\$0.0085	\$0.0085
SBC	swtr	\$2.7	\$3.50	\$4.79	\$4.79	\$0.29	\$0.00	\$0.00	\$0.0083	\$0.0003
SBC	ptca	\$1.9	\$3.41	\$4.03	\$4.03	\$0.00	\$0.00	\$0.00	\$0.0099	\$0.0099
SBC	snct	\$0.4	\$3.50	\$5.46	\$5.46	\$0.69	\$0.00	\$0.00	\$0.0122	\$0.0122
SBC	ptnv	\$0.1	\$3.50	\$5.47	\$5.47	\$1.28	\$0.00	\$0.00	\$0.0132	\$0.0132
U S WEST	ustr	\$3.0	\$3.50	\$6.00	\$6.00	\$1.58	\$0.00	\$0.00	\$0.0082	\$0.0082
ALIANT CINCINNATI BELL	Itne cbtc	** \$0.1	\$3.50 \$3.50	\$4.66 \$4.77	\$4.66 \$4.77	\$0.40 \$0.63	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0145 \$0.0075	\$0.0145 \$0.0075
CITIZENS	ctc1	\$0.2	\$3.50	\$9.65	\$9.65	\$3.18	\$3.25	\$3.25	\$0.0201	\$0.0201
CITIZENS	ctc2	**	\$3.50	\$10.02	\$10.02	\$3.18	\$6.85	\$10.83	\$0.0287	\$0.0231
CITIZENS	ctog	**	\$3.48	\$3.79	\$3.79	\$0.00	\$0.00	\$0.00	\$0.0176	\$0.0176
FRONTIER	rtny	\$0.1	\$3.50	\$4.06	\$4.06	\$0.35	\$0.00	\$0.00	\$0.0095	\$0.0095
FRONTIER	rtcs	**	\$3.50	\$7.53	\$7.53	\$2.64	\$0.00	\$0.00	\$0.0186	\$0.0186
FRONTIER	vitc		\$3.50	\$6.76	\$6.76	\$2.64	\$0.00	\$0.00	\$0.0152	\$0.0152
GTE	gtca	\$0.6	\$3.50	\$7.44	\$7.44 \$9.65	\$2.66 \$2.74	\$0.00	\$0.00	\$0.0044	\$0.0044
GTE GTE	gtfl gttx	\$0.4 \$0.3	\$3.50 \$3.50	\$8.65 \$9.08	\$8.65 \$9.08	\$2.74 \$3.16	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0053 \$0.0090	\$0.0053 \$0.0090
GTE	gain	\$0.3	\$3.50	\$8.30	\$8.30	\$3.18	\$0.00 \$1.58	\$1.58	\$0.0090	\$0.0090
GTE	gtwa	\$0.2	\$3.50	\$9.07	\$9.07	\$3.18	\$1.04	\$1.04	\$0.0092	\$0.0092
GTE	gtoh	\$0.2	\$3.50	\$7.66	\$7.66	\$2.87	\$0.00	\$0.00	\$0.0100	\$0.0100
GTE	gthi	\$0.1	\$3.50	\$6.96	\$6.96	\$2.38	\$0.00	\$0.00	\$0.0140	\$0.0140
GTE	gail	\$0.1	\$3.50	\$7.78	\$7.78	\$2.80	\$0.00	\$0.00	\$0.0117	\$0.0117
GTE	gami	\$0.1	\$3.50	\$6.85	\$6.85	\$2.23	\$0.00	\$0.00	\$0.0120	\$0.0120
GTE	cova	\$0.1	\$3.50	\$9.29	\$9.29	\$3.18	\$6.85	\$10.83	\$0.0129	\$0.0061
GTE	gtor	\$0.1	\$3.50	\$8.33	\$8.33	\$3.18	\$3.74	\$3.74	\$0.0100	\$0.0100
GTE	gtky	\$0.1	\$3.50	\$9.79	\$9.79	\$3.18	\$1.51	\$1.51	\$0.0118	\$0.0118
GTE GTE	gtwi	\$0.1 \$0.1	\$3.50 \$3.50	\$7.50 \$7.16	\$7.50 \$7.16	\$2.68 \$2.55	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0126 \$0.0074	\$0.0126 \$0.0074
GTE	gtpa coca	\$0.1	\$3.50	\$8.20	\$8.20	\$3.18	\$0.00 \$0.85	\$0.00	\$0.0129	\$0.0074
GTE	comt	\$0.1	\$3.50	\$10.02	\$10.02	\$1.86	\$1.44	\$1.44	\$0.0118	\$0.0118
GTE	gtnc	\$0.1	\$3.50	\$10.00	\$10.02	\$3.18	\$2.70	\$2.70	\$0.0115	\$0.0110
GTE	gtid	**	\$3.50	\$10.02	\$10.02	\$3.18	\$6.85	\$10.83	\$0.0392	\$0.0155
GTE	gtst	**	\$3.50	\$10.02	\$10.02	\$3.18	\$3.59	\$3.59	\$0.0095	\$0.0095
GTE	cotx	**	\$3.50	\$9.91	\$9.91	\$3.18	\$0.10	\$0.10	\$0.0113	\$0.0113
GTE	coil	**	\$3.50	\$7.46	\$7.46	\$3.18	\$5.62	\$5.62	\$0.0084	\$0.0084
GTE	coin	**	\$3.50	\$7.66	\$7.66	\$3.18	\$4.25	\$4.25	\$0.0105	\$0.0105
GTE GTE	gtal	**	\$3.50	\$9.56 \$8.54	\$9.56 \$8.54	\$3.18	\$3.24	\$3.24 \$4.38	\$0.0107 \$0.0099	\$0.0107 \$0.0099
GTE	coit gtia	**	\$3.50 \$3.50	\$9.73	\$9.73	\$3.18 \$3.18	\$4.38 \$1.75	\$4.36 \$1.75	\$0.0099	\$0.0099
GTE	coat	**	\$3.50	\$10.02	\$10.02	\$3.18	\$3.09	\$3.09	\$0.0075	\$0.0075
GTE	conc	**	\$3.50	\$10.02	\$10.02	\$3.18	\$2.75	\$2.75	\$0.0065	\$0.0065
GTE	gtok	**	\$3.50	\$8.36	\$8.36	\$3.18	\$0.90	\$0.90	\$0.0096	\$0.0096
GTE GTE	gtmo	**	\$3.50 \$3.50	\$7.35 \$7.72	\$7.35 \$7.72	\$2.81 \$3.18	\$0.00 \$5.30	\$0.00 \$5.30	\$0.0090 \$0.0061	\$0.0090 \$0.0061
	copt	**								
GTE GTE	cowa comn	**	\$3.50 \$3.50	\$8.86 \$8.12	\$8.86 \$8.12	\$3.18 \$3.18	\$6.85 \$2.10	\$10.58 \$2.10	\$0.0092 \$0.0075	\$0.0092 \$0.0075
GTE	coal	**	\$3.50	\$8.98	\$8.98	\$3.18	\$2.36	\$2.36	\$0.0075	\$0.0073
GTE	coky	**	\$3.50	\$10.02	\$10.02	\$3.18	\$2.04	\$2.04	\$0.0060	\$0.0060
GTE	gtar	**	\$3.50	\$10.02	\$10.02	\$3.01	\$0.96	\$0.96	\$0.0084	\$0.0084
GTE	conm	**	\$3.50	\$10.02	\$10.02	\$3.18	\$6.85	\$9.72	\$0.0187	\$0.0187
GTE	gtne	**	\$3.50	\$7.91	\$7.91	\$3.18	\$0.64	\$0.64	\$0.0131	\$0.0131
GTE	gtnm	**	\$3.50	\$8.59	\$8.59	\$3.18	\$3.67	\$3.67	\$0.0111	\$0.0111
GTE	conv	**	\$3.50	\$10.02	\$10.02	\$3.18	\$6.85	\$9.98	\$0.0050	\$0.0050
GTE	gtva		\$3.50	\$10.02	\$10.02	\$1.84	\$1.90	\$1.90	\$0.0048	\$0.0048
GTE	gtmc	**	\$3.50	\$6.97	\$6.97	\$3.18	\$0.37	\$0.37	\$0.0187	\$0.0187
GTE GTE	gtak coaz	**	\$3.50 \$3.50	\$6.51 \$10.02	\$6.51 \$10.02	\$3.02 \$3.18	\$0.00 \$1.31	\$0.00 \$1.31	\$0.0120 \$0.0219	\$0.0120 \$0.0219
GTE	gnca	**	\$3.50	\$8.42	\$8.42	\$3.18	\$2.01	\$2.01	\$0.0219	\$0.0219
GTE	gtmn	**	\$3.50	\$10.02	\$10.02	\$3.18	\$6.85	\$10.83	\$0.0464	\$0.0047
SPRINT	ucfl	\$0.4	\$3.50	\$6.89	\$6.89	\$2.30	\$0.00	\$0.00	\$0.0099	\$0.0099
SPRINT	ucnc	\$0.2	\$3.50	\$6.07	\$6.07	\$1.69	\$0.00	\$0.00	\$0.0088	\$0.0088
SPRINT	ucmw	\$0.2	\$3.50	\$9.46	\$9.46	\$2.95	\$0.00	\$0.00	\$0.0133	\$0.0133
SPRINT	cenv	\$0.1	\$3.13	\$3.79	\$3.79	\$0.00	\$0.00	\$0.00	\$0.0063	\$0.0063
SPRINT	ucse	\$0.1	\$3.50	\$6.55	\$6.55	\$1.97	\$0.00	\$0.00	\$0.0075	\$0.0075
SPRINT	utoh	\$0.1	\$3.50	\$6.62	\$6.62	\$1.93	\$0.00	\$0.00	\$0.0146	\$0.0146
SPRINT	uteg	\$0.1 **	\$3.50	\$5.32 \$6.90	\$5.32	\$1.17 \$1.07	\$0.00 \$0.00	\$0.00	\$0.0109	\$0.0109 \$0.0144
SPRINT SPRINT	utin utnw	**	\$3.50 \$3.50	\$6.90 \$7.97	\$6.90 \$7.97	\$1.97 \$3.12	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0144 \$0.0218	\$0.0144 \$0.0218
		d quantities	ψ0.00	Ψ1.51	Ψ1.31	Ψ0.12	Ψ0.00	Ψ0.00	Ψ0.02.10	Ψ0.0210

^{*} Filed 1999 rates times estimated quantities

** Amounts less than \$50 million

Appendix E		1000	1				2004		В	ase Case
Company	cosa	1999 Access Revenue * (\$Billions)	Primary SLC	Secondary SLC	Multi-line SLC	July 1, Primary PICC	Secondary PICC	Multi-line PICC	Total Charge Minute (incl. Originating	
BELL ATLANTIC BELLSOUTH	bntr bstr	\$6.3 \$4.0	\$3.50 \$3.50	\$5.38 \$6.24	\$5.38 \$6.24	\$1.13 \$1.78	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0077 \$0.0078	\$0.0077 \$0.0078
SBC	amtr	\$2.7	\$3.50	\$4.43	\$4.43	\$0.12	\$0.00	\$0.00	\$0.0076	\$0.0076
SBC	swtr	\$2.7	\$3.50	\$4.58	\$4.58	\$0.54	\$0.00	\$0.00	\$0.0087	\$0.0087
SBC	ptca	\$1.9	\$3.25	\$3.85	\$3.85	\$0.00	\$0.00	\$0.00	\$0.0094	\$0.0094
SBC	snct	\$0.4	\$3.50	\$5.21	\$5.21	\$0.50	\$0.00	\$0.00	\$0.0116	\$0.0116
SBC	ptnv	\$0.1	\$3.50	\$5.22	\$5.22	\$1.06	\$0.00	\$0.00	\$0.0126	\$0.0126
U S WEST	ustr	\$3.0	\$3.50	\$5.73	\$5.73	\$1.35	\$0.00	\$0.00	\$0.0078	\$0.0078
ALIANT CINCINNATI BELL	Itne cbtc	** \$0.1	\$3.50 \$3.50	\$4.44 \$4.55	\$4.44 \$4.55	\$0.22 \$0.44	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0138 \$0.0071	\$0.0138 \$0.0071
CITIZENS	ctc1	\$0.2	\$3.50	\$9.62	\$9.62	\$3.74	\$0.08	\$0.08	\$0.0192	\$0.0192
CITIZENS	ctc2	**	\$3.50	\$10.22	\$10.22	\$3.74	\$7.99	\$8.25	\$0.0220	\$0.0220
CITIZENS	ctog	**	\$3.32	\$3.61	\$3.61	\$0.00	\$0.00	\$0.00	\$0.0168	\$0.0168
FRONTIER	rtny	\$0.1	\$3.50	\$3.88	\$3.88	\$0.17	\$0.00	\$0.00	\$0.0091	\$0.0091
FRONTIER	rtcs	**	\$3.50	\$7.18	\$7.18	\$2.36	\$0.00	\$0.00	\$0.0178	\$0.0178
FRONTIER	vitc		\$3.50	\$6.45	\$6.45	\$2.36	\$0.00	\$0.00	\$0.0145	\$0.0145
GTE	gtca	\$0.6	\$3.50	\$7.10	\$7.10	\$2.39	\$0.00	\$0.00	\$0.0042	\$0.0042
GTE GTE	gtfl gttx	\$0.4 \$0.3	\$3.50 \$3.50	\$7.56 \$8.24	\$7.56 \$8.24	\$2.90 \$3.48	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0051 \$0.0086	\$0.0051 \$0.0086
GTE	gain	\$0.3	\$3.50	\$8.20	\$8.20	\$3.45	\$0.00	\$0.00	\$0.0080	\$0.0000
GTE	gtwa	\$0.2	\$3.50	\$8.71	\$8.71	\$3.53	\$0.00	\$0.00	\$0.0087	\$0.0087
GTE	gtoh	\$0.2	\$3.50	\$7.31	\$7.31	\$2.58	\$0.00	\$0.00	\$0.0096	\$0.0096
GTE	gthi	\$0.1	\$3.50	\$6.65	\$6.65	\$2.11	\$0.00	\$0.00	\$0.0134	\$0.0134
GTE	gail	\$0.1	\$3.50	\$7.43	\$7.43	\$2.51	\$0.00	\$0.00	\$0.0111	\$0.0111
GTE	gami	\$0.1	\$3.50	\$6.54	\$6.54	\$1.97	\$0.00	\$0.00	\$0.0115	\$0.0115
GTE	cova	\$0.1	\$3.50	\$9.21	\$9.21	\$3.74	\$7.99	\$9.25	\$0.0058	\$0.0058
GTE	gtor	\$0.1	\$3.50	\$8.25	\$8.25	\$3.74	\$2.00	\$2.00	\$0.0095	\$0.0095
GTE	gtky	\$0.1	\$3.50	\$9.72	\$9.72	\$3.37	\$0.00	\$0.00	\$0.0113	\$0.0113
GTE GTE	gtwi	\$0.1 \$0.1	\$3.50 \$3.50	\$7.15 \$6.84	\$7.15 \$6.84	\$2.40 \$2.28	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0120 \$0.0070	\$0.0120 \$0.0070
GTE	gtpa coca	\$0.1	\$3.50	\$7.86	\$7.86	\$3.25	\$0.00	\$0.00	\$0.0070	\$0.0070
GTE	comt	\$0.1	\$3.50	\$7.84	\$7.84	\$3.00	\$0.00	\$0.00	\$0.0113	\$0.0113
GTE	gtnc	\$0.1	\$3.50	\$9.22	\$9.22	\$3.74	\$2.02	\$2.02	\$0.0110	\$0.0110
GTE	gtid	**	\$3.50	\$10.22	\$10.22	\$3.74	\$7.99	\$12.55	\$0.0290	\$0.0148
GTE	gtst	**	\$3.50	\$9.27	\$9.27	\$3.74	\$2.16	\$2.16	\$0.0091	\$0.0091
GTE	cotx	**	\$3.50	\$8.63	\$8.63	\$3.26	\$0.00	\$0.00	\$0.0108	\$0.0108
GTE	coil	**	\$3.50	\$7.36	\$7.36	\$3.74	\$3.06	\$3.06	\$0.0081	\$0.0081
GTE	coin	**	\$3.50	\$7.56	\$7.56	\$3.74	\$1.88	\$1.88	\$0.0100	\$0.0100
GTE GTE	gtal	**	\$3.50 \$3.50	\$9.20	\$9.20 \$8.45	\$3.74 \$3.74	\$0.76 \$1.47	\$0.76 \$1.47	\$0.0102 \$0.0094	\$0.0102 \$0.0094
GTE	coit gtia	**	\$3.50	\$8.45 \$8.98	\$8.98	\$3.74 \$3.54	\$0.00	\$0.00	\$0.0094	\$0.0094
GTE	coat	**	\$3.50	\$10.22	\$10.22	\$3.42	\$0.77	\$0.77	\$0.0071	\$0.0071
GTE	conc	**	\$3.50	\$10.22	\$10.22	\$3.28	\$0.62	\$0.62	\$0.0063	\$0.0063
GTE	gtok	**	\$3.50	\$8.04	\$8.04	\$3.54	\$0.00	\$0.00	\$0.0091	\$0.0091
GTE GTE	gtmo copt	**	\$3.50 \$3.50	\$7.01 \$7.64	\$7.01 \$7.64	\$2.53 \$3.74	\$0.00 \$2.70	\$0.00 \$2.70	\$0.0086 \$0.0058	\$0.0086 \$0.0058
	•	**								
GTE GTE	cowa comn	**	\$3.50 \$3.50	\$8.76 \$8.52	\$8.76 \$8.52	\$3.74 \$3.19	\$6.66 \$0.00	\$6.66 \$0.00	\$0.0088 \$0.0072	\$0.0088 \$0.0072
GTE	coal	**	\$3.50	\$8.93	\$8.93	\$3.58	\$0.00	\$0.00	\$0.0072	\$0.0072
GTE	coky	**	\$3.50	\$10.22	\$10.22	\$2.91	\$1.19	\$1.19	\$0.0058	\$0.0058
GTE	gtar	**	\$3.50	\$8.13	\$8.13	\$3.65	\$0.00	\$0.00	\$0.0081	\$0.0081
GTE	conm	**	\$3.50	\$10.22	\$10.22	\$3.74	\$6.03	\$6.03	\$0.0179	\$0.0179
GTE	gtne	**	\$3.50	\$7.90	\$7.90	\$2.97	\$0.00	\$0.00	\$0.0125	\$0.0125
GTE	gtnm	**	\$3.50	\$8.50	\$8.50	\$3.74	\$2.32	\$2.32	\$0.0106	\$0.0106
GTE	conv	**	\$3.50	\$8.91	\$8.91	\$3.74	\$7.91	\$7.91	\$0.0048	\$0.0048
GTE	gtva		\$3.50	\$8.33	\$8.33	\$3.00	\$0.00	\$0.00	\$0.0045	\$0.0045
GTE GTE	gtmc	**	\$3.50 \$3.50	\$6.65 \$6.22	\$6.65 \$6.22	\$2.93 \$2.72	\$0.00 \$0.00	\$0.00	\$0.0178 \$0.0114	\$0.0178 \$0.0114
GTE	gtak coaz	**	\$3.50 \$3.50	\$6.22 \$10.22	\$6.22 \$10.22	\$2.72 \$2.68	\$0.00 \$0.91	\$0.00 \$0.91	\$0.0114	\$0.0114
GTE	gnca	**	\$3.50	\$10.22	\$10.22	\$2.33	\$0.44	\$0.44	\$0.0209	\$0.0203
GTE	gtmn	**	\$3.50	\$10.22	\$10.22	\$3.74	\$7.99	\$12.55	\$0.0215	\$0.0044
SPRINT	ucfl	\$0.4	\$3.50	\$6.57	\$6.57	\$2.03	\$0.00	\$0.00	\$0.0094	\$0.0094
SPRINT	ucnc	\$0.2	\$3.50	\$5.79	\$5.79	\$1.46	\$0.00	\$0.00	\$0.0084	\$0.0084
SPRINT	ucmw	\$0.2	\$3.50	\$7.72	\$7.72	\$3.53	\$0.00	\$0.00	\$0.0127	\$0.0127
SPRINT	cenv	\$0.1	\$2.99 \$3.50	\$3.62	\$3.62 \$6.26	\$0.00 \$1.72	\$0.00	\$0.00	\$0.0061 \$0.0072	\$0.0061
SPRINT	ucse	\$0.1	\$3.50	\$6.26	\$6.26	\$1.72	\$0.00	\$0.00	\$0.0072	\$0.0072
SPRINT	utoh	\$0.1	\$3.50	\$6.32	\$6.32	\$1.68	\$0.00	\$0.00	\$0.0139	\$0.0139
SPRINT SPRINT	uteg utin	\$0.1 **	\$3.50 \$3.50	\$5.08 \$6.58	\$5.08 \$6.58	\$0.96 \$1.72	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0104 \$0.0138	\$0.0104 \$0.0138
SPRINT	utnw	**	\$3.50	\$7.61	\$7.61	\$2.82	\$0.00	\$0.00	\$0.0138	\$0.0136
* Filed 1999 rates time		<u> </u>	10.00	Ţ	7	ļ	+0.00	70.00	Ţ-:3 = 00	Ţ.,0 _

^{*} Filed 1999 rates times estimated quantities

** Amounts less than \$50 million

Appendix E		4000	П				0000			CALLS
Company	cosa	1999 Access Revenue * (\$Billions)	Primary SLC	Secondary SLC	Multi-line SLC	July 1,: Primary PICC	2000 Secondary PICC	Multi-line PICC	Total Charge Minute (incl. Originating	
BELL ATLANTIC BELLSOUTH	bntr bstr	\$6.3 \$4.0	\$4.35 \$4.35	\$6.07 \$6.54	\$6.07 \$6.54	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0066 \$0.0088	\$0.0064 \$0.0066
SBC	amtr	\$2.7	\$4.35	\$4.96	\$5.20	\$0.00	\$0.00	\$1.31	\$0.0070	\$0.0070
SBC	swtr	\$2.2	\$4.35	\$5.28	\$5.64	\$0.00	\$0.00	\$2.03	\$0.0078	\$0.0078
SBC SBC	ptca snct	\$1.9 \$0.4	\$4.35 \$4.35	\$4.40 \$5.52	\$4.60 \$6.54	\$0.00 \$0.00	\$0.00 \$0.00	\$0.10 \$4.31	\$0.0088 \$0.0113	\$0.0088 \$0.0104
SBC	ptnv	\$0.1	\$4.35	\$5.84	\$6.27	\$0.00	\$0.00	\$4.31	\$0.0121	\$0.0120
U S WEST	ustr	\$3.0	\$4.35	\$6.13	\$6.43	\$0.00	\$0.00	\$3.95	\$0.0070	\$0.0070
ALIANT CINCINNATI BELL	Itne cbtc	** \$0.1	\$4.35 \$4.35	\$4.99 \$5.19	\$4.99 \$5.19	\$0.00 \$0.00	\$0.00 \$0.00	\$1.98 \$2.32	\$0.0131 \$0.0065	\$0.0131 \$0.0065
CITIZENS	ctc1	\$0.2 **	\$4.35 \$4.35	\$7.00 \$7.00	\$9.20 \$9.20	\$0.00	\$0.00 \$0.00	\$4.31	\$0.0326	\$0.0184 \$0.0195
CITIZENS CITIZENS	ctc2 ctog	**	\$3.48	\$7.00 \$3.48	\$9.20 \$9.20	\$0.00 \$0.00	\$0.00	\$4.31 \$4.31	\$0.0560 \$0.0128	\$0.0195
FRONTIER	rtny	\$0.1	\$4.35	\$4.62	\$6.66	\$0.00	\$0.00	\$0.64	\$0.0079	\$0.0079
FRONTIER	rtcs	**	\$4.35	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0355	\$0.0152
FRONTIER GTE	vitc gtca	\$0.6	\$4.35 \$4.35	\$7.00 \$6.84	\$9.20 \$6.84	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0213 \$0.0100	\$0.0104 \$0.0053
GTE	gtfl	\$0.4	\$4.35	\$7.00	\$7.40	\$0.00	\$0.00	\$4.31	\$0.0153	\$0.0055
GTE	gttx	\$0.3	\$4.35	\$7.00	\$7.58	\$0.00	\$0.00	\$4.31	\$0.0189	\$0.0066
GTE GTE	gain gtwa	\$0.2 \$0.2	\$4.35 \$4.35	\$7.00 \$7.00	\$8.17 \$8.30	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0286 \$0.0264	\$0.0104 \$0.0069
GTE	gtoh	\$0.2	\$4.35	\$6.87	\$6.87	\$0.00	\$0.00	\$4.31	\$0.0239	\$0.0078
GTE	gthi	\$0.1	\$4.35	\$6.53	\$6.53	\$0.00	\$0.00	\$4.31	\$0.0135	\$0.0123
GTE GTE	gail gami	\$0.1 \$0.1	\$4.35 \$4.35	\$6.95 \$6.12	\$6.95 \$6.12	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0240 \$0.0206	\$0.0097 \$0.0105
GTE	cova	\$0.1	\$4.35	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0200	\$0.0105
GTE	gtor	\$0.1	\$4.35	\$7.00	\$9.10	\$0.00	\$0.00	\$4.31	\$0.0286	\$0.0078
GTE	gtky	\$0.1	\$4.35	\$7.00	\$8.22	\$0.00	\$0.00	\$4.31	\$0.0304	\$0.0102
GTE GTE	gtwi gtpa	\$0.1 \$0.1	\$4.35 \$4.35	\$6.61 \$6.64	\$6.61 \$6.64	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0238 \$0.0190	\$0.0098 \$0.0055
GTE	coca	\$0.1	\$4.35	\$7.00	\$7.46	\$0.00	\$0.00	\$4.31	\$0.0309	\$0.0103
GTE	comt	\$0.1	\$4.35	\$7.00	\$7.39	\$0.00	\$0.00	\$4.31	\$0.0298	\$0.0099
GTE GTE	gtnc gtid	\$0.1 **	\$4.35 \$4.35	\$7.00 \$7.00	\$9.20 \$9.20	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0271 \$0.0467	\$0.0079 \$0.0238
GTE	gtst	**	\$4.35	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0283	\$0.0230
GTE	cotx	**	\$4.35	\$7.00	\$7.98	\$0.00	\$0.00	\$4.31	\$0.0353	\$0.0125
GTE GTE	coil coin	**	\$4.35 \$4.35	\$7.00 \$7.00	\$8.56 \$8.32	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0267 \$0.0282	\$0.0112 \$0.0130
GTE	gtal	**	\$4.35	\$7.00	\$8.55	\$0.00	\$0.00	\$4.31	\$0.0282	\$0.0130
GTE	coit	**	\$4.35	\$7.00	\$8.47	\$0.00	\$0.00	\$4.31	\$0.0299	\$0.0120
GTE	gtia	**	\$4.35	\$7.00	\$8.04	\$0.00	\$0.00	\$4.31	\$0.0412	\$0.0116
GTE GTE	coat conc	**	\$4.35 \$4.35	\$7.00 \$7.00	\$8.68 \$8.42	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0290 \$0.0242	\$0.0101 \$0.0121
GTE	gtok	**	\$4.35	\$7.00	\$7.52	\$0.00	\$0.00	\$4.31	\$0.0214	\$0.0072
GTE GTE	gtmo copt	**	\$4.35 \$4.35	\$7.00 \$7.00	\$7.12 \$9.04	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0204 \$0.0304	\$0.0067 \$0.0088
GTE	cowa	**	\$4.35	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0381	\$0.0000
GTE	comn	**	\$4.35	\$7.00	\$7.90	\$0.00	\$0.00	\$4.31	\$0.0275	\$0.0093
GTE GTE	coal coky	**	\$4.35 \$4.35	\$7.00 \$7.00	\$7.54 \$7.94	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0244 \$0.0238	\$0.0100 \$0.0159
GTE	gtar	**	\$4.35 \$4.35	\$7.00 \$7.00	\$7.94 \$7.49	\$0.00	\$0.00	\$4.31 \$4.31	\$0.0238	\$0.0159
GTE	conm	**	\$4.35	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0698	\$0.0167
GTE	gtne	**	\$4.35	\$7.00	\$7.61	\$0.00	\$0.00	\$4.31	\$0.0296	\$0.0092
GTE GTE	gtnm conv	**	\$4.35 \$4.35	\$7.00 \$7.00	\$8.59 \$9.20	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0272 \$0.0324	\$0.0107 \$0.0089
GTE	gtva	**	\$4.35	\$6.90	\$6.90	\$0.00	\$0.00	\$4.31	\$0.0161	\$0.0055
GTE	gtmc	**	\$4.35	\$7.00	\$8.37	\$0.00	\$0.00	\$4.31	\$0.0306	\$0.0172
GTE GTE	gtak coaz	**	\$4.35 \$4.35	\$7.00 \$7.00	\$7.69 \$7.96	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0100 \$0.0343	\$0.0094 \$0.0239
GTE	gnca	**	\$4.35	\$7.00	\$7.80	\$0.00	\$0.00	\$4.31	\$0.0305	\$0.0159
GTE	gtmn	**	\$4.35	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0523	\$0.0312
SPRINT SPRINT	ucfl	\$0.4 \$0.2	\$4.35 \$4.35	\$6.11 \$5.28	\$7.74 \$6.02	\$0.00	\$0.00 \$0.00	\$4.31 \$3.35	\$0.0096 \$0.0070	\$0.0079 \$0.0070
SPRINT	ucnc ucmw	\$0.2 \$0.2	\$4.35 \$4.35	\$5.28 \$7.00	\$6.02	\$0.00 \$0.00	\$0.00 \$0.00	\$3.35 \$4.31	\$0.0070	\$0.0070
SPRINT	cenv	\$0.1	\$3.53	\$3.53	\$3.54	\$0.00	\$0.00	\$0.00	\$0.0065	\$0.0065
SPRINT	ucse	\$0.1	\$4.35	\$5.56	\$6.15	\$0.00	\$0.00	\$4.28	\$0.0065	\$0.0065
SPRINT SPRINT	utoh uteg	\$0.1 \$0.1	\$4.35 \$4.35	\$5.70 \$4.92	\$6.70 \$8.08	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$1.95	\$0.0152 \$0.0088	\$0.0119 \$0.0088
SPRINT	utin	**	\$4.35	\$5.86	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0179	\$0.0118
SPRINT	utnw	d quantities	\$4.35	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0299	\$0.0185

^{*} Filed 1999 rates times estimated quantities
** Amounts less than \$50 million

								CALLS		
		1999 Access	Primary	Secondary	Multi-line	July 1, 2 Primary	Secondary	Multi-line	Total Charge	
Company	cosa	Revenue * (\$Billions)	SLC	SLC	SLC	PICC	PICC	PICC	Minute (incl. Originating	Switching) Terminating
BELL ATLANTIC BELLSOUTH	bntr bstr	\$6.3 \$4.0	\$5.00 \$5.00	\$6.08 \$6.56	\$6.08 \$6.56	\$0.00 \$0.00	\$0.00 \$0.00	\$2.69 \$3.46	\$0.0055 \$0.0055	\$0.0055 \$0.0055
SBC	amtr	\$2.7	\$4.96	\$4.96	\$5.04	\$0.00	\$0.00	\$0.00	\$0.0060	\$0.0060
SBC SBC	swtr ptca	\$2.2 \$1.9	\$5.00 \$4.40	\$5.28 \$4.40	\$5.47 \$4.52	\$0.00 \$0.00	\$0.00 \$0.00	\$0.59 \$0.00	\$0.0067 \$0.0075	\$0.0067 \$0.0075
SBC	snct	\$0.4	\$5.00	\$5.52	\$6.33	\$0.00	\$0.00	\$2.09	\$0.0094	\$0.0094
SBC U S WEST	ptnv ustr	\$0.1 \$3.0	\$5.00 \$5.00	\$5.84 \$6.14	\$6.16 \$6.24	\$0.00 \$0.00	\$0.00 \$0.00	\$2.61 \$2.29	\$0.0103 \$0.0060	\$0.0103 \$0.0060
ALIANT	Itne	**	\$4.99	\$4.99	\$4.99	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000
CINCINNATI BELL	cbtc	\$0.1	\$5.00	\$5.20	\$5.20	\$0.00	\$0.00	\$0.51	\$0.0065	\$0.0065
CITIZENS CITIZENS	ctc1 ctc2	\$0.2 **	\$5.00 \$5.00	\$7.00 \$7.00	\$9.20 \$9.20	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0243 \$0.0504	\$0.0156 \$0.0159
CITIZENS	ctog	**	\$3.50	\$3.50	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0111	\$0.0111
FRONTIER FRONTIER	rtny rtcs	\$0.1 **	\$4.62 \$5.00	\$4.62 \$7.00	\$6.86 \$9.20	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$4.31	\$0.0065 \$0.0220	\$0.0065 \$0.0129
FRONTIER	vitc	**	\$5.00 \$5.00	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0120	\$0.0083
GTE GTE	gtca	\$0.6 \$0.4	\$5.00 \$5.00	\$6.89	\$6.89 \$7.43	\$0.00 \$0.00	\$0.00	\$3.83	\$0.0053 \$0.0112	\$0.0053 \$0.0055
GTE	gtfl gttx	\$0.4	\$5.00 \$5.00	\$7.00 \$7.00	\$7.43 \$7.68	\$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0112	\$0.0055
GTE GTE	gain gtwa	\$0.2 \$0.2	\$5.00 \$5.00	\$7.00 \$7.00	\$8.21 \$8.38	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0210 \$0.0202	\$0.0086 \$0.0055
GTE	gtoh	\$0.2	\$5.00 \$5.00	\$6.92	\$6.92	\$0.00	\$0.00	\$4.31	\$0.0202	\$0.0055
GTE	gthi	\$0.1	\$5.00	\$6.53	\$6.53	\$0.00	\$0.00	\$3.19	\$0.0106	\$0.0106
GTE GTE	gail gami	\$0.1 \$0.1	\$5.00 \$5.00	\$6.99 \$6.15	\$6.99 \$6.15	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0149 \$0.0108	\$0.0079 \$0.0085
GTE	cova	\$0.1	\$5.00	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0238	\$0.0155
GTE GTE	gtor gtky	\$0.1 \$0.1	\$5.00 \$5.00	\$7.00 \$7.00	\$9.16 \$8.27	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0228 \$0.0224	\$0.0059 \$0.0084
GTE	gtwi	\$0.1	\$5.00	\$6.65	\$6.65	\$0.00	\$0.00	\$4.31	\$0.0140	\$0.0077
GTE GTE	gtpa coca	\$0.1 \$0.1	\$5.00 \$5.00	\$6.68 \$7.00	\$6.68 \$7.51	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0116 \$0.0212	\$0.0055 \$0.0078
GTE	comt	\$0.1	\$5.00	\$7.00	\$7.44	\$0.00	\$0.00	\$4.31	\$0.0218	\$0.0081
GTE GTE	gtnc gtid	\$0.1 **	\$5.00 \$5.00	\$7.00 \$7.00	\$9.20 \$9.20	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0218 \$0.0453	\$0.0061 \$0.0173
GTE	gtst	**	\$5.00	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0216	\$0.0056
GTE	cotx	**	\$5.00	\$7.00	\$8.02	\$0.00	\$0.00	\$4.31	\$0.0335	\$0.0055
GTE GTE	coil coin	**	\$5.00 \$5.00	\$7.00 \$7.00	\$8.61 \$8.36	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0267 \$0.0263	\$0.0066 \$0.0061
GTE GTE	gtal coit	**	\$5.00 \$5.00	\$7.00 \$7.00	\$8.60 \$8.50	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0273 \$0.0284	\$0.0069 \$0.0055
GTE	gtia	**	\$5.00 \$5.00	\$7.00	\$8.06	\$0.00	\$0.00	\$4.31	\$0.0305	\$0.0038
GTE	coat	**	\$5.00	\$7.00	\$8.71	\$0.00	\$0.00	\$4.31	\$0.0290	\$0.0059
GTE GTE	conc gtok	**	\$5.00 \$5.00	\$7.00 \$7.00	\$8.47 \$7.60	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0242 \$0.0140	\$0.0077 \$0.0055
GTE GTF	gtmo	**	\$5.00 \$5.00	\$7.00 \$7.00	\$7.15 \$9.08	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0136 \$0.0287	\$0.0055 \$0.0055
GTE	copt cowa	**	\$5.00 \$5.00	\$7.00	\$9.00	\$0.00	\$0.00	\$4.31	\$0.0287	\$0.0033
GTE	comn	**	\$5.00	\$7.00	\$7.88	\$0.00	\$0.00	\$4.31	\$0.0249	\$0.0055
GTE GTE	coal coky	**	\$5.00 \$5.00	\$7.00 \$7.00	\$7.59 \$7.98	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0220 \$0.0238	\$0.0055 \$0.0102
GTE	gtar	**	\$5.00	\$7.00	\$7.54	\$0.00	\$0.00	\$4.31	\$0.0204	\$0.0055
GTE GTE	conm gtne	**	\$5.00 \$5.00	\$7.00 \$7.00	\$9.20 \$7.66	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0597 \$0.0199	\$0.0139 \$0.0073
GTE	gtnm	**	\$5.00	\$7.00	\$8.69	\$0.00	\$0.00	\$4.31	\$0.0194	\$0.0087
GTE GTE	conv gtva	**	\$5.00 \$5.00	\$7.00 \$6.97	\$9.20 \$6.97	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0324 \$0.0108	\$0.0065 \$0.0055
GTE	gtmc	**	\$5.00	\$7.00	\$8.36	\$0.00	\$0.00	\$4.31	\$0.0238	\$0.0153
GTE GTE	gtak coaz	**	\$5.00 \$5.00	\$7.00 \$7.00	\$7.66 \$8.00	\$0.00 \$0.00	\$0.00 \$0.00	\$3.50 \$4.31	\$0.0077 \$0.0276	\$0.0077 \$0.0216
GTE	gnca	**	\$5.00	\$7.00	\$7.84	\$0.00	\$0.00	\$4.31	\$0.0212	\$0.0136
GTE SPRINT	gtmn ucfl	\$0.4	\$5.00 \$5.00	\$7.00 \$6.17	\$9.20 \$7.78	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$3.02	\$0.0523 \$0.0065	\$0.0256 \$0.0065
SPRINT	ucnc	\$0.2	\$5.00	\$5.33	\$6.07	\$0.00	\$0.00	\$0.97	\$0.0065	\$0.0065
SPRINT SPRINT	ucmw cenv	\$0.2 \$0.1	\$5.00 \$3.56	\$7.00 \$3.56	\$9.20 \$3.57	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$0.00	\$0.0171 \$0.0065	\$0.0079 \$0.0065
SPRINT	ucse	\$0.1	\$5.00	\$5.59	\$6.18	\$0.00	\$0.00	\$1.71	\$0.0065	\$0.0065
SPRINT SPRINT	utoh uteg	\$0.1 \$0.1	\$5.00 \$4.93	\$5.73 \$4.93	\$6.73 \$8.09	\$0.00 \$0.00	\$0.00 \$0.00	\$2.76 \$0.00	\$0.0099 \$0.0074	\$0.0099 \$0.0074
SPRINT	utin	**	\$5.00	\$5.90	\$9.20	\$0.00	\$0.00	\$4.24	\$0.0097	\$0.0097
* Filed 1000 rates time	utnw	**	\$5.00	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0214	\$0.0159

^{*} Filed 1999 rates times estimated quantities
** Amounts less than \$50 million

Appendix E		1000	П							CALLS
Company	cosa	1999 Access Revenue * (\$Billions)	Primary SLC	Secondary SLC	Multi-line SLC	July 1, Primary PICC	2002 Secondary PICC	Multi-line PICC	Total Charge Minute (incl. Originating	per Access Switching) Terminating
BELL ATLANTIC BELLSOUTH	bntr bstr	\$6.3 \$4.0	\$6.00 \$6.00	\$6.08 \$6.58	\$6.08 \$6.58	\$0.00 \$0.00	\$0.00 \$0.00	\$0.20 \$1.18	\$0.0055 \$0.0055	\$0.0055 \$0.0055
SBC	amtr	\$2.7	\$4.96	\$4.96	\$4.96	\$0.00	\$0.00	\$0.00	\$0.0055	\$0.0055
SBC SBC	swtr ptca	\$2.2 \$1.9	\$5.28 \$4.41	\$5.28 \$4.41	\$5.32 \$4.45	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0057 \$0.0062	\$0.0057 \$0.0062
SBC	snct	\$0.4	\$5.52	\$5.52	\$6.13	\$0.00	\$0.00	\$0.00	\$0.0084	\$0.0084
SBC U S WEST	ptnv ustr	\$0.1 \$3.0	\$5.84 \$6.00	\$5.84 \$6.16	\$6.05 \$6.16	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.29	\$0.0086 \$0.0055	\$0.0086 \$0.0055
ALIANT	Itne	**	\$4.99	\$4.99	\$4.99	\$0.00	\$0.00	\$0.00	\$0.0105	\$0.0105
CINCINNATI BELL CITIZENS	cbtc ctc1	\$0.1 \$0.2	\$5.20 \$6.00	\$5.20 \$7.00	\$5.20 \$9.20	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$4.31	\$0.0065 \$0.0164	\$0.0065 \$0.0130
CITIZENS	ctc2	**	\$6.00	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0433	\$0.0123
CITIZENS	ctog	**	\$3.53	\$3.53	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0096	\$0.0096
FRONTIER FRONTIER	rtny rtcs	\$0.1 **	\$4.63 \$6.00	\$4.63 \$7.00	\$6.39 \$9.20	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$4.31	\$0.0065 \$0.0107	\$0.0065 \$0.0107
FRONTIER	vitc	**	\$6.00	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0065	\$0.0065
GTE GTE	gtca gtfl	\$0.6 \$0.4	\$6.00 \$6.00	\$6.94 \$7.00	\$6.94 \$7.47	\$0.00 \$0.00	\$0.00 \$0.00	\$1.71 \$4.31	\$0.0053 \$0.0057	\$0.0053 \$0.0055
GTE	gttx	\$0.3	\$6.00	\$7.00	\$7.78	\$0.00	\$0.00	\$3.49	\$0.0055	\$0.0055
GTE GTE	gain	\$0.2 \$0.2	\$6.00 \$6.00	\$7.00 \$7.00	\$8.25 \$8.45	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0128 \$0.0140	\$0.0069 \$0.0055
GTE	gtwa gtoh	\$0.2	\$6.00	\$6.97	\$6.97	\$0.00	\$0.00	\$3.90	\$0.0140	\$0.0055
GTE	gthi	\$0.1	\$6.00	\$6.54	\$6.54	\$0.00	\$0.00	\$1.06	\$0.0091	\$0.0091
GTE GTE	gail	\$0.1 \$0.1	\$6.00 \$6.00	\$7.00 \$6.19	\$7.02 \$6.19	\$0.00	\$0.00	\$3.49	\$0.0062 \$0.0068	\$0.0062 \$0.0068
GTE	gami cova	\$0.1	\$6.00 \$6.00	\$7.00	\$9.20	\$0.00 \$0.00	\$0.00 \$0.00	\$0.81 \$4.31	\$0.008	\$0.0068
GTE	gtor	\$0.1	\$6.00	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0169	\$0.0055
GTE GTE	gtky	\$0.1	\$6.00 \$6.00	\$7.00 \$6.69	\$8.32	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$2.75	\$0.0132	\$0.0066
GTE	gtwi gtpa	\$0.1 \$0.1	\$6.00 \$6.00	\$6.71	\$6.69 \$6.71	\$0.00 \$0.00	\$0.00	\$2.75 \$2.53	\$0.0058 \$0.0055	\$0.0058 \$0.0055
GTE	coca	\$0.1	\$6.00	\$7.00	\$7.58	\$0.00	\$0.00	\$4.31	\$0.0099	\$0.0055
GTE GTE	comt	\$0.1 \$0.1	\$6.00 \$6.00	\$7.00 \$7.00	\$7.49 \$9.20	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0122 \$0.0167	\$0.0066 \$0.0055
GTE	gtnc gtid	φυ. i	\$6.00	\$7.00 \$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0167	\$0.0033
GTE GTE	gtst cotx	**	\$6.00 \$6.00	\$7.00 \$7.00	\$9.20 \$8.07	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0156 \$0.0212	\$0.0055 \$0.0055
GTE	coil	**	\$6.00	\$7.00	\$8.66	\$0.00	\$0.00	\$4.31	\$0.0191	\$0.0055
GTE GTE	coin gtal	**	\$6.00 \$6.00	\$7.00 \$7.00	\$8.41 \$8.65	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0160 \$0.0181	\$0.0055 \$0.0055
GTE	coit	**	\$6.00	\$7.00	\$8.54	\$0.00	\$0.00	\$4.31	\$0.0183	\$0.0055
GTE	gtia	**	\$6.00	\$7.00	\$8.10	\$0.00	\$0.00	\$4.31	\$0.0187	\$0.0083
GTE GTE	coat conc	**	\$6.00 \$6.00	\$7.00 \$7.00	\$8.74 \$8.52	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0208 \$0.0199	\$0.0055 \$0.0055
GTE	gtok	**	\$6.00	\$7.00	\$7.68	\$0.00	\$0.00	\$4.31	\$0.0063	\$0.0055
GTE GTE	gtmo	**	\$6.00	\$7.00	\$7.19 \$9.11	\$0.00 \$0.00	\$0.00	\$4.31 \$4.31	\$0.0059	\$0.0055 \$0.0055
GTE	copt cowa	**	\$6.00 \$6.00	\$7.00 \$7.00	\$9.11	\$0.00	\$0.00 \$0.00	\$4.31	\$0.0205 \$0.0372	\$0.0055
GTE	comn	**	\$6.00	\$7.00	\$7.86	\$0.00	\$0.00	\$4.31	\$0.0146	\$0.0055
GTE GTE	coal	**	\$6.00 \$6.00	\$7.00 \$7.00	\$7.64 \$8.04	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0124 \$0.0197	\$0.0055 \$0.0055
GTE	coky gtar	**	\$6.00 \$6.00	\$7.00 \$7.00	\$8.04 \$7.59	\$0.00	\$0.00	\$4.31 \$4.31	\$0.0197	\$0.0055
GTE	conm	**	\$6.00	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0487	\$0.0114
GTE GTE	gtne	**	\$6.00 \$6.00	\$7.00 \$7.00	\$7.71 \$8.79	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0080 \$0.0100	\$0.0056 \$0.0067
GTE	gtnm conv	**	\$6.00 \$6.00	\$7.00 \$7.00	\$9.20	\$0.00	\$0.00	\$4.31 \$4.31	\$0.0306	\$0.0067
GTE	gtva	**	\$6.00	\$7.00	\$7.05	\$0.00	\$0.00	\$4.18	\$0.0055	\$0.0055
GTE GTE	gtmc gtak	**	\$6.00 \$6.00	\$7.00 \$7.00	\$8.35 \$7.64	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$2.11	\$0.0182 \$0.0062	\$0.0137 \$0.0062
GTE	coaz	**	\$6.00	\$7.00	\$8.05	\$0.00	\$0.00	\$4.31	\$0.0002	\$0.0062
GTE GTE	gnca gtmn	**	\$6.00 \$6.00	\$7.00 \$7.00	\$7.88 \$9.20	\$0.00 \$0.00	\$0.00 \$0.00	\$4.26 \$4.31	\$0.0115 \$0.0523	\$0.0115 \$0.0204
SPRINT	ucfl	\$0.4	\$6.00	\$6.23	\$9.20 \$7.79	\$0.00	\$0.00	\$0.52	\$0.0323	\$0.0204
SPRINT	ucnc	\$0.2	\$5.37	\$5.37	\$6.11	\$0.00	\$0.00	\$0.00	\$0.0065	\$0.0065
SPRINT SPRINT	ucmw	\$0.2 \$0.1	\$6.00 \$3.60	\$7.00 \$3.60	\$9.20 \$3.60	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$0.00	\$0.0070 \$0.0065	\$0.0065 \$0.0065
SPRINT	cenv ucse	\$0.1	\$5.61	\$5.61	\$6.20	\$0.00	\$0.00	\$0.00	\$0.0065	\$0.0065
SPRINT	utoh	\$0.1	\$5.76	\$5.76	\$6.76	\$0.00	\$0.00	\$0.00	\$0.0081	\$0.0081
SPRINT SPRINT	uteg	\$0.1 **	\$4.94 \$5.93	\$4.94 \$5.93	\$8.10	\$0.00	\$0.00	\$0.00 \$0.45	\$0.0065 \$0.0078	\$0.0065 \$0.0078
SPRINT	utin utnw	**	\$5.93 \$6.00	\$5.93 \$7.00	\$9.20 \$9.20	\$0.00 \$0.00	\$0.00 \$0.00	\$0.45 \$4.31	\$0.0078 \$0.0135	\$0.0078
* Filed 1000 rates time			ļ		77.20			+	,	,

^{*} Filed 1999 rates times estimated quantities
** Amounts less than \$50 million

Company	Appendix E		1000	П							CALLS
BELL ATAMTIC bert	Company	cosa	Revenue *				Primary	Secondary		Minute (incl.	Switching)
SBC ant	BELL ATLANTIC	bntr	\$6.3							\$0.0055	\$0.0055
SBC	SBC			1	·	·				•	
SBC snct So.4 \$5.52 \$5.62 \$5.94 \$0.00 \$0.00 \$0.00 \$0.000 \$0.000 \$0.000 \$0.00000 \$0.0000 \$0.0000 \$0.00000 \$0.00000 \$0.0000 \$0.0000 \$0.0000	SBC	swtr	\$2.2	\$5.28	\$5.28	\$5.28	\$0.00	\$0.00	\$0.00	\$0.0055	\$0.0055
Second S											
ALIANT	SBC										\$0.0069
CINCINNATIBELL clote \$0.1 \$5.20 \$8.20 \$5.20 \$5.20 \$0.00 \$0.	U S WEST	ustr	\$3.0	\$6.17	\$6.17	\$6.17	\$0.00	\$0.00	\$0.00	\$0.0055	\$0.0055
CITIZENS clog "	ALIANT CINCINNATI BELL										\$0.0094 \$0.0065
CHIZENS dog ** 83.55 \$3.55 \$3.20 \$5.00 \$4.00 \$4.31 \$0.0005 \$0.005 \$1.005	CITIZENS										\$0.0105
FROMTIER my											
FRONTIER rics " \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$4.31 \$0.0084 \$0.0084 \$0.0086		-	\$0.1								
TETE gfta \$0.6 \$6.50 \$6.99 \$7.00 \$8.00 \$0.00 \$0.00 \$3.04 \$3.005	FRONTIER	•	**	\$6.50	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0084	\$0.0084
GTE gitt \$0.4 \$6.50 \$7.00 \$7.61 \$0.00 \$0.00 \$3.04 \$0.0055 \$0.0055 \$0.0055 GTE gitx \$0.3 \$6.50 \$7.00 \$7.87 \$0.00 \$0.00 \$2.00 \$3.00 \$0.000 \$3.00 \$0.005 \$0.0055 \$0.0055 GTE gith \$0.2 \$6.50 \$7.00 \$8.50 \$0.0055 \$0.0055 \$0.0055 \$0.0055 GTE gith \$0.2 \$6.50 \$7.00 \$8.50 \$0.005 \$0.00 \$4.31 \$0.0015 \$0.0055 GTE gith \$0.1 \$6.50 \$6.50 \$7.00 \$8.50 \$0.005 \$0.00 \$4.31 \$0.0015 \$0.0055 GTE gith \$0.1 \$6.50 \$7.00 \$7.00 \$8.50 \$0.00 \$0.00 \$0.00 \$1.88 \$0.0055 \$0.0055 GTE gith \$0.1 \$6.50 \$7.00 \$7.00 \$7.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$	FRONTIER	vitc									\$0.0065
GTE gian S0.2 \$6.50 \$7.00 \$7.87 \$0.00 \$0.00 \$2.33 \$0.0055 \$0.0055 GTE gian \$0.2 \$6.50 \$7.00 \$8.52 \$0.005 \$0.00 \$4.31 \$0.0055 \$0.0055 GTE gian \$0.2 \$6.50 \$7.00 \$8.52 \$0.00 \$0.00 \$4.31 \$0.0055 \$0.0055 GTE gian \$0.2 \$6.50 \$7.00 \$8.52 \$0.00 \$0.00 \$4.31 \$0.0055 \$0.0055 GTE gian \$0.1 \$6.50 \$6.50 \$7.00 \$7.00 \$0.00 \$0.00 \$4.31 \$0.0055 \$0.0055 GTE gian \$0.1 \$6.50 \$6.55 \$6.55 \$0.00 \$0.											
GTE gloh S0.2 S6.50 S7.00 S8.52 S0.00 S0.00 S4.31 S0.0110 S0.0055 GTE gloh S0.2 S6.50 S7.00 S7.00 S7.02 S0.00 S0.00 S1.09 S0.0078 S0.0078 GTE glail S0.1 S6.50 S6.55 S6.55 S0.00 S0.00 S0.00 S1.09 S0.0078 S0.0078 GTE glail S0.1 S6.50 S7.00 S7.06 S0.00 S0	GTE										\$0.0055
GTE ght sol. 1 \$0.2 \$8.60 \$7.00 \$7.02 \$0.00 \$0.00 \$1.88 \$0.0055 \$0.0055 \$0.0055 \$0.0055 \$0.0055 \$0.0055 \$0.0055 \$0.0055 \$0.005 \$0.0055	GTE	gain		\$6.50	\$7.00	\$8.30	\$0.00	\$0.00	\$4.31	\$0.0081	\$0.0055
GTE gail So.1 \$6.50 \$6.55 \$6.55 \$0.00 \$0.0		•					i i				
GTE gani So.1 \$6.50 \$7.00 \$7.06 \$0.00 \$0.00 \$1.75 \$0.0055 \$0.0055 GTE cova \$0.1 \$6.50 \$7.00 \$9.20 \$0.0											
GTE glor glor so.1	GTE										\$0.0055
GTE glivy \$0.1 \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$4.31 \$0.0055 \$0.	GTE										\$0.0055
GTE girly So.1											
GTE gtwi So.1		•									
GTE comt \$0.1 \$6.50 \$7.00 \$7.64 \$0.00 \$0.00 \$4.31 \$0.0059 \$0.0055 GTE gine \$0.1 \$6.50 \$7.00 \$7.54 \$0.00 \$0.00 \$4.31 \$0.0075 \$0.0055 GTE gine \$0.1 \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$4.31 \$0.0075 \$0.0055 GTE gine \$0.1 \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$4.31 \$0.0146 \$0.0055 GTE gine \$0.1 \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$4.31 \$0.0146 \$0.0055 GTE gine \$0.1 \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$4.31 \$0.0147 \$0.0055 GTE cook \$6.50 \$7.00 \$8.11 \$0.00 \$0.00 \$4.31 \$0.0147 \$0.0055 GTE cook \$6.50 \$7.00 \$8.11 \$0.00 \$0.00 \$4.31 \$0.0157 \$0.0055 GTE cook \$6.50 \$7.00 \$8.11 \$0.00 \$0.00 \$4.31 \$0.0157 \$0.0055 GTE cook \$6.50 \$7.00 \$8.11 \$0.00 \$0.00 \$4.31 \$0.0157 \$0.0055 GTE cook \$6.50 \$7.00 \$8.11 \$0.00 \$0.00 \$4.31 \$0.0157 \$0.0055 GTE cook \$6.50 \$7.00 \$8.46 \$0.00 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE gila \$6.50 \$7.00 \$8.70 \$8.57 \$0.00 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE gila \$6.50 \$7.00 \$8.17 \$0.00 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE gila \$6.50 \$7.00 \$8.17 \$0.00 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE gila \$6.50 \$7.00 \$8.18 \$0.00 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE gila \$6.50 \$7.00 \$8.18 \$0.00 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE gila \$6.50 \$7.00 \$8.18 \$0.00 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE gila \$6.50 \$7.00 \$8.18 \$0.00 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE gila \$6.50 \$7.00 \$8.18 \$0.00 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE gila \$6.50 \$7.00 \$8.58 \$0.00 \$0.00 \$4.31 \$0.0162 \$0.0055 GTE gila \$6.50 \$7.00 \$8.58 \$0.00 \$0.00 \$4.31 \$0.0162 \$0.0055 GTE gila \$6.50 \$7.00 \$8.58 \$0.00 \$0.00 \$4.31 \$0.0162 \$0.0055 GTE gila \$6.50 \$7.00 \$8.58 \$0.00 \$0.00 \$4.31 \$0.0162 \$0.0055 GTE gila \$6.50 \$7.00 \$8.59 \$0.005 GTE cook \$6.50 \$7.00 \$8.50 \$0.005 GTE cook \$6.50 \$7.00 \$0.00 \$0.00 \$0.00 \$0.43 \$0.005 \$0.005 GTE cook \$6.50 \$7.00 \$0.70 \$0.005 \$0.00 \$0.00 \$0.43 \$0.005 \$0.005 \$0.005 GTE cook \$6.50 \$7.00 \$0.005 \$0.005 \$0.005 \$0.005 \$0.005 \$0.005 \$0.005 \$0.005 \$0.005 \$0.005 \$0.005 \$0.005 \$0.	GTE		\$0.1			\$6.74	\$0.00				\$0.0055
GTE gind spind spi	GTE										\$0.0055
GTE glid " \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$4.31 \$0.0146 \$0.0055 GTE glid " \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE cobx " \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$4.31 \$0.0147 \$0.0055 GTE cobx " \$6.50 \$7.00 \$8.11 \$0.000 \$0.00 \$4.31 \$0.0157 \$0.0055 GTE cobx " \$6.50 \$7.00 \$8.11 \$0.000 \$0.00 \$4.31 \$0.0157 \$0.0055 GTE coil " \$6.50 \$7.00 \$8.72 \$0.000 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE coil " \$6.50 \$7.00 \$8.74 \$0.000 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE glid " \$6.50 \$7.00 \$8.74 \$0.0005 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE glid " \$6.50 \$7.00 \$8.74 \$0.0005 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE coil " \$6.50 \$7.00 \$8.75 \$0.000 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE glid " \$6.50 \$7.00 \$8.57 \$0.000 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE glid " \$6.50 \$7.00 \$8.57 \$0.000 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE glid " \$6.50 \$7.00 \$8.57 \$0.000 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE glid " \$6.50 \$7.00 \$8.57 \$0.000 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE coil " \$6.50 \$7.00 \$8.57 \$0.000 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE glid " \$6.50 \$7.00 \$8.57 \$0.000 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE glid " \$6.50 \$7.00 \$8.58 \$0.000 \$0.00 \$4.31 \$0.0143 \$0.0055 GTE conc \$8.50 \$7.00 \$8.58 \$0.000 \$0.00 \$4.31 \$0.0162 \$0.0055 GTE glid " \$6.50 \$7.00 \$8.58 \$0.000 \$0.00 \$4.31 \$0.0165 \$0.0055 GTE glid " \$6.50 \$7.00 \$8.58 \$0.000 \$0.00 \$4.31 \$0.0165 \$0.0055 GTE glid " \$6.50 \$7.00 \$7.76 \$0.000 \$0.00 \$4.31 \$0.0165 \$0.0055 GTE conc \$8.50 \$7.00 \$7.76 \$0.000 \$0.00 \$4.31 \$0.0165 \$0.0055 GTE conc \$8.50 \$7.00 \$7.76 \$0.000 \$0.00 \$4.31 \$0.0055 \$0.0055 GTE conc \$8.50 \$7.00 \$7.70 \$9.20 \$0.000 \$0.00 \$4.31 \$0.0055 \$0.0055 GTE conc \$8.50 \$7.00 \$7.70 \$9.20 \$0.000 \$0.00 \$4.31 \$0.0055 \$0.0055 GTE conc \$8.50 \$7.00 \$7.70 \$9.20 \$0.000 \$0.00 \$4.31 \$0.0056 \$0.0055 GTE conc \$8.50 \$7.00 \$7.64 \$0.000 \$0.00 \$4.31 \$0.0056 \$0.0055 GTE conc \$8.50 \$7.00 \$7.64 \$0.000 \$0.00 \$4.31 \$0.0056 \$0.0055 GTE conc \$8.50 \$7.00 \$7.64 \$0.000 \$0.00 \$0.00 \$4.31 \$0.0056 \$0.0055 GTE glid \$9.0005 \$0.000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000											
GTE glst "* \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$4.31 \$0.0433 \$0.0116 \$0.005 \$0.00 \$4.31 \$0.0423 \$0.0157 \$0.0055 \$0.005 \$0.00 \$4.31 \$0.0127 \$0.0055 \$0.005 \$0.00 \$4.31 \$0.0127 \$0.0055 \$0.005 \$0.00 \$4.31 \$0.0127 \$0.0055 \$0.005 \$0.00 \$4.31 \$0.0127 \$0.0055 \$0.005 \$0.00 \$4.31 \$0.0137 \$0.0055 \$0.005 \$0.00 \$4.31 \$0.0137 \$0.0055 \$0.005 \$0.00 \$4.31 \$0.0143 \$0.0055 \$0.005 \$0.00 \$4.31 \$0.0143 \$0.0055 \$0.005 \$0.00 \$4.31 \$0.0143 \$0.0055 \$0.005 \$0.00 \$4.31 \$0.0143 \$0.0055 \$0.005 \$0.00 \$4.31 \$0.0143 \$0.0055 \$0.005 \$0.00 \$4.31 \$0.0143 \$0.0055 \$0.005 \$0.00 \$4.31 \$0.0143 \$0.0055 \$0.005 \$0.00 \$4.31 \$0.0143 \$0.0055 \$0.005 \$0.00 \$4.31 \$0.0143 \$0.0055 \$0.005 \$0.00 \$4.31 \$0.0143 \$0.0055 \$0.005 \$0.00 \$4.31 \$0.0143 \$0.0055	GTE										\$0.0055
GTE cotk	GTE	gtid	**	\$6.50	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0433	\$0.0110
GTE coin	GTE GTE										\$0.0055 \$0.0055
GTE gial	GTE	coil	**	\$6.50	\$7.00	\$8.72	\$0.00	\$0.00	\$4.31	\$0.0143	\$0.0055
GTE glia	GTE										\$0.0055
GTE										*	
GTE glok	GTE		**					•			\$0.0070
GTE gfm	GTE	coat									\$0.0055
GTE gtmo	GTE										\$0.0055
GTE copt		•									
GTE comn	GTE		**					•			\$0.0055
GTE coal ** \$6.50 \$7.00 \$7.70 \$0.00 \$0.00 \$4.31 \$0.0078 \$0.0055 GTE gtar ** \$6.50 \$7.00 \$7.64 \$0.00 \$0.00 \$4.31 \$0.0078 \$0.0055 GTE gtar ** \$6.50 \$7.00 \$7.66 \$0.00 \$0.00 \$4.31 \$0.0078 \$0.0055 GTE gtar ** \$6.50 \$7.00 \$7.66 \$0.00 \$0.00 \$4.31 \$0.0078 \$0.0055 GTE gtar ** \$6.50 \$7.00 \$7.66 \$0.00 \$0.00 \$4.31 \$0.0065 \$0.0055 GTE gtar ** \$6.50 \$7.00 \$7.76 \$0.00 \$0.00 \$4.31 \$0.0055 \$0.0055 GTE gtar ** \$6.50 \$7.00 \$7.76 \$0.00 \$0.00 \$3.45 \$0.0055 \$0.0055 GTE gtar ** \$6.50 \$7.00 \$7.76 \$0.00 \$0.00 \$3.45 \$0.0055 \$0.0055 GTE gtar ** \$6.50 \$7.00 \$7.00 \$8.89 \$0.00 \$0.00 \$3.45 \$0.0055 \$0.0055 GTE gtar ** \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$4.31 \$0.0293 \$0.0055 GTE gtar ** \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$4.31 \$0.0293 \$0.0055 GTE gtar ** \$6.50 \$7.00 \$7.11 \$0.00 \$0.00 \$4.31 \$0.0293 \$0.0055 GTE gtar ** \$6.50 \$7.00 \$7.00 \$7.11 \$0.00 \$0.00 \$4.31 \$0.0150 \$0.0123 GTE gtar \$6.50 \$7.00 \$7.00 \$7.61 \$0.00 \$0.00 \$4.31 \$0.0150 \$0.0123 GTE gtar \$6.50 \$7.00 \$7.00 \$7.61 \$0.00 \$0.00 \$1.40 \$0.0055 \$0.0055 GTE gtar \$6.50 \$7.00 \$7.00 \$7.61 \$0.00 \$0.00 \$1.40 \$0.0055 \$0.0055 GTE gtar \$6.50 \$7.00 \$7.00 \$7.61 \$0.00 \$0.00 \$1.40 \$0.0055 \$0.0055 GTE gtar \$6.50 \$7.00 \$7.00 \$7.61 \$0.00 \$0.00 \$1.40 \$0.0055 \$0.0055 GTE gtar \$6.50 \$7.00 \$7.00 \$7.61 \$0.00 \$0.00 \$1.40 \$0.0055 \$0.0055 \$0.0055 GTE gtar \$6.50 \$7.00 \$7.00 \$7.92 \$0.00 \$0.00 \$1.40 \$0.0055 \$0.0055 \$0.0055 GTE gtar \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$1.40 \$0.0055	GTE										\$0.0055
GTE coky											
GTE gtar ** \$6.50 \$7.00 \$7.64 \$0.00 \$0.00 \$4.31 \$0.0067 \$0.0055 \$0.005	GTE										\$0.0055
GTE gtnm	GTE	-									\$0.0055
GTE gtnm conv state series ser	GTE										\$0.0089
GTE conv ** \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$4.31 \$0.0055 \$0.005		•									
GTE gtmc ** \$6.50 \$7.00 \$8.34 \$0.00 \$0.00 \$4.31 \$0.0150 \$0.0123 GTE gtak ** \$6.50 \$7.00 \$8.10 \$0.00 \$0.00 \$1.40 \$0.0055 \$0.0055 GTE grac ** \$6.50 \$7.00 \$8.10 \$0.00 \$0.00 \$3.93 \$0.0173 \$0.0173 GTE grac ** \$6.50 \$7.00 \$7.92 \$0.00 \$0.00 \$3.93 \$0.0173 \$0.0173 GTE grac ** \$6.50 \$7.00 \$7.92 \$0.00 \$0.00 \$2.88 \$0.0094 \$0.0094 GTE gtmn ** \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$4.31 \$0.0523 \$0.0184 SPRINT ucfl \$0.4 \$6.28 \$6.28 \$7.35 \$0.00 \$0.00 \$0.00 \$0.0065 SPRINT ucnc \$0.2 \$5.41 \$5.41 \$6.15 \$0.00 \$0.00 \$0.00 \$0.0065 SPRINT ucmw \$0.2 \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$0.00 \$0.0065 SPRINT ucmw \$0.2 \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$0.00 \$0.0065 SPRINT ucmw \$0.1 \$3.62 \$3.62 \$3.63 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT ucse \$0.1 \$5.64 \$5.64 \$6.23 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utoh \$0.1 \$5.79 \$5.79 \$6.79 \$0.00 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT uteg \$0.1 \$4.94 \$4.94 \$8.11 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utin ** \$5.97 \$5.97 \$9.20 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utin ** \$5.97 \$5.97 \$9.20 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utin ** \$5.97 \$5.97 \$9.20 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utin ** \$5.97 \$5.97 \$9.20 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utin ** \$5.97 \$5.97 \$9.20 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utin ** \$5.97 \$5.97 \$9.20 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utin ** \$5.97 \$5.97 \$9.20 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utin ** \$5.97 \$5.97 \$9.20 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utin ** \$5.97 \$5.97 \$9.20 \$0.00 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utin ** \$5.97 \$5.97	GTE		**								\$0.0055
GTE gtak ** \$6.50 \$7.00 \$7.61 \$0.00 \$0.00 \$1.40 \$0.005 \$0.0125 \$0.005 \$0.0125 \$0.0065 \$0.0065 \$0.0	GTE	gtva									\$0.0055
GTE coaz material coaz materia	GTE	•									\$0.0123
GTE gnca gtmn ** \$6.50 \$7.00 \$7.92 \$0.00 \$0.00 \$2.88 \$0.0094 \$0		•									\$0.0055
SPRINT ucnc \$0.2 \$5.41 \$5.41 \$6.15 \$0.00 \$0.00 \$0.00 \$0.0065 \$	GTE	gnca		\$6.50	\$7.00	\$7.92	\$0.00	\$0.00	\$2.88	\$0.0094	\$0.0094
SPRINT ucnc \$0.2 \$5.41 \$5.41 \$6.15 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT ucmw \$0.2 \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$4.31 \$0.0065 \$0.0065 SPRINT cenv \$0.1 \$3.62 \$3.62 \$3.63 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT ucse \$0.1 \$5.64 \$5.64 \$6.23 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utoh \$0.1 \$5.79 \$5.79 \$6.79 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT uteg \$0.1 \$4.94 \$4.94 \$8.11 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utin ** \$5.97 \$5.97 \$9.20 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065	GTE	-									\$0.0184
SPRINT ucmw \$0.2 \$6.50 \$7.00 \$9.20 \$0.00 \$0.00 \$4.31 \$0.0065 \$0.0065 SPRINT cenv \$0.1 \$3.62 \$3.62 \$3.63 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT ucse \$0.1 \$5.64 \$5.64 \$6.23 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utoh \$0.1 \$5.79 \$5.79 \$6.79 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT uteg \$0.1 \$4.94 \$4.94 \$8.11 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utin ** \$5.97 \$5.97 \$9.20 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065	SPRINT SPRINT										\$0.0065 \$0.0065
SPRINT cenv \$0.1 \$3.62 \$3.62 \$3.62 \$3.63 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT ucse \$0.1 \$5.64 \$5.64 \$6.23 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utoh \$0.1 \$5.79 \$5.79 \$6.79 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT uteg \$0.1 \$4.94 \$4.94 \$8.11 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utin ** \$5.97 \$5.97 \$9.20 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065	SPRINT										\$0.0065
SPRINT utoh \$0.1 \$5.79 \$5.79 \$6.79 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT uteg \$0.1 \$4.94 \$4.94 \$8.11 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utin ** \$5.97 \$5.97 \$9.20 \$0.00 \$0.00 \$0.50 \$0.0065 \$0.0065	SPRINT	cenv	\$0.1	\$3.62	\$3.62	\$3.63	\$0.00	\$0.00	\$0.00	\$0.0065	\$0.0065
SPRINT uteg \$0.1 \$4.94 \$4.94 \$8.11 \$0.00 \$0.00 \$0.00 \$0.0065 \$0.0065 SPRINT utin ** \$5.97 \$5.97 \$9.20 \$0.00 \$0.00 \$0.50 \$0.0065 \$0.0065	SPRINT			1							\$0.0065
SPRINT utin ** \$5.97 \$5.97 \$9.20 \$0.00 \$0.00 \$0.50 \$0.0065 \$0.0065	SPRINT										\$0.0065 \$0.0065
	SPRINT		φυ.1 **								\$0.0065
	SPRINT		**								\$0.0113

^{*} Filed 1999 rates times estimated quantities
** Amounts less than \$50 million

Appendix E		1000								CALLS
Company	cosa	1999 Access Revenue * (\$Billions)	Primary SLC	Secondary SLC	Multi-line SLC	July 1, Primary PICC	2004 Secondary PICC	Multi-line PICC	Total Charge Minute (incl. Originating	
BELL ATLANTIC BELLSOUTH	bntr bstr	\$6.3 \$4.0	\$6.09 \$6.50	\$6.09 \$6.61	\$6.09 \$6.61	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.20	\$0.0055 \$0.0055	\$0.0055 \$0.0055
SBC	amtr	\$2.7	\$4.97	\$4.97	\$4.97	\$0.00	\$0.00	\$0.00	\$0.0055	\$0.0055
SBC	swtr	\$2.2	\$5.29	\$5.29	\$5.29	\$0.00	\$0.00	\$0.00 \$0.00	\$0.0055 \$0.0055	\$0.0055 \$0.0055
SBC SBC	ptca snct	\$1.9 \$0.4	\$4.41 \$5.52	\$4.41 \$5.52	\$4.41 \$5.76	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00	\$0.0055	\$0.0055
SBC	ptnv	\$0.1	\$5.84	\$5.84	\$5.84	\$0.00	\$0.00	\$0.00	\$0.0055	\$0.0055
U S WEST	ustr	\$3.0	\$6.19	\$6.19	\$6.19	\$0.00	\$0.00	\$0.00	\$0.0055	\$0.0055
ALIANT CINCINNATI BELL	Itne cbtc	** \$0.1	\$4.99 \$5.20	\$4.99 \$5.20	\$4.99 \$5.20	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.0083 \$0.0065	\$0.0083 \$0.0065
CITIZENS CITIZENS	ctc1 ctc2	\$0.2 **	\$6.50 \$6.50	\$7.00 \$7.00	\$9.20 \$9.20	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0109 \$0.0447	\$0.0095 \$0.0095
CITIZENS	ctog	**	\$3.58	\$3.58	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0095	\$0.0095
FRONTIER	rtny	\$0.1	\$4.64	\$4.64	\$5.68	\$0.00	\$0.00	\$0.00	\$0.0065	\$0.0065
FRONTIER FRONTIER	rtcs vitc	**	\$6.50 \$6.50	\$7.00 \$7.00	\$9.20 \$9.20	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0065 \$0.0065	\$0.0065 \$0.0065
GTE	gtca	\$0.6	\$6.50	\$7.00	\$7.05	\$0.00	\$0.00	\$0.79	\$0.0053	\$0.0053
GTE	gtfl	\$0.4	\$6.50	\$7.00	\$7.55	\$0.00	\$0.00	\$3.19	\$0.0055	\$0.0055
GTE GTE	gttx gain	\$0.3 \$0.2	\$6.50 \$6.50	\$7.00 \$7.00	\$7.96 \$8.34	\$0.00 \$0.00	\$0.00 \$0.00	\$2.08 \$4.31	\$0.0055 \$0.0080	\$0.0055 \$0.0055
GTE	gtwa	\$0.2	\$6.50	\$7.00	\$8.58	\$0.00	\$0.00	\$4.31	\$0.000	\$0.0055
GTE	gtoh	\$0.2	\$6.50	\$7.00	\$7.07	\$0.00	\$0.00	\$1.95	\$0.0055	\$0.0055
GTE GTE	gthi gail	\$0.1 \$0.1	\$6.50 \$6.50	\$6.56 \$7.00	\$6.56 \$7.10	\$0.00 \$0.00	\$0.00 \$0.00	\$0.10 \$1.74	\$0.0065 \$0.0055	\$0.0065 \$0.0055
GTE	gami	\$0.1	\$6.27	\$6.27	\$6.27	\$0.00	\$0.00	\$0.00	\$0.0055	\$0.0055
GTE	cova	\$0.1	\$6.50	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0238	\$0.0109
GTE GTE	gtor gtky	\$0.1 \$0.1	\$6.50 \$6.50	\$7.00 \$7.00	\$9.20 \$8.42	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0152 \$0.0081	\$0.0055 \$0.0055
GTE	gtwi	\$0.1	\$6.50	\$6.78	\$6.78	\$0.00	\$0.00	\$0.93	\$0.0055	\$0.0055
GTE GTE	gtpa	\$0.1 \$0.1	\$6.50 \$6.50	\$6.78 \$7.00	\$6.78 \$7.69	\$0.00 \$0.00	\$0.00 \$0.00	\$0.84 \$4.31	\$0.0055 \$0.0063	\$0.0055 \$0.0055
GTE	coca comt	\$0.1	\$6.50	\$7.00	\$7.69	\$0.00	\$0.00	\$4.31	\$0.0003	\$0.0055
GTE	gtnc	\$0.1	\$6.50	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0150	\$0.0055
GTE GTE	gtid gtst	**	\$6.50 \$6.50	\$7.00 \$7.00	\$9.20 \$9.20	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0433 \$0.0128	\$0.0135 \$0.0055
GTE	cotx	**	\$6.50	\$7.00	\$8.16	\$0.00	\$0.00	\$4.31	\$0.0120	\$0.0055
GTE	coil	**	\$6.50	\$7.00	\$8.77	\$0.00	\$0.00	\$4.31	\$0.0140	\$0.0055
GTE GTE	coin gtal	**	\$6.50 \$6.50	\$7.00 \$7.00	\$8.51 \$8.75	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0110 \$0.0142	\$0.0055 \$0.0055
GTE	coit	**	\$6.50	\$7.00	\$8.61	\$0.00	\$0.00	\$4.31	\$0.0125	\$0.0055
GTE	gtia	**	\$6.50	\$7.00	\$8.16	\$0.00	\$0.00	\$4.31	\$0.0111	\$0.0059
GTE GTE	coat conc	**	\$6.50 \$6.50	\$7.00 \$7.00	\$8.81 \$8.63	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0158 \$0.0168	\$0.0055 \$0.0055
GTE	gtok	**	\$6.50	\$7.00	\$7.84	\$0.00	\$0.00	\$2.94	\$0.0055	\$0.0055
GTE GTE	gtmo copt	**	\$6.50 \$6.50	\$7.00 \$7.00	\$7.26 \$9.19	\$0.00 \$0.00	\$0.00 \$0.00	\$2.88 \$4.31	\$0.0055 \$0.0156	\$0.0055 \$0.0055
GTE	cowa	**	\$6.50	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0347	\$0.0055
GTE	comn	**	\$6.50	\$7.00	\$7.82	\$0.00	\$0.00	\$4.31	\$0.0086	\$0.0055
GTE GTE	coal coky	**	\$6.50 \$6.50	\$7.00 \$7.00	\$7.75 \$8.14	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$4.31	\$0.0075 \$0.0143	\$0.0055 \$0.0055
GTE	gtar	**	\$6.50	\$7.00	\$7.69	\$0.00	\$0.00	\$4.31	\$0.0066	\$0.0055
GTE	conm	**	\$6.50	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0413	\$0.0066
GTE GTE	gtne gtnm	**	\$6.50 \$6.50	\$7.00 \$7.00	\$7.81 \$8.98	\$0.00 \$0.00	\$0.00 \$0.00	\$3.32 \$3.59	\$0.0055 \$0.0055	\$0.0055 \$0.0055
GTE	conv	**	\$6.50	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0301	\$0.0055
GTE	gtva	**	\$6.50	\$7.00	\$7.18	\$0.00	\$0.00	\$2.31	\$0.0055	\$0.0055
GTE GTE	gtmc gtak	**	\$6.50 \$6.50	\$7.00 \$7.00	\$8.33 \$7.58	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$1.34	\$0.0133 \$0.0055	\$0.0111 \$0.0055
GTE	coaz	**	\$6.50	\$7.00	\$8.14	\$0.00	\$0.00	\$3.76	\$0.0153	\$0.0153
GTE GTE	gnca gtmn	**	\$6.50 \$6.50	\$7.00 \$7.00	\$7.98 \$9.20	\$0.00 \$0.00	\$0.00 \$0.00	\$2.56 \$4.31	\$0.0075 \$0.0523	\$0.0075 \$0.0193
SPRINT	ucfl	\$0.4	\$6.34	\$6.34	\$7.37	\$0.00	\$0.00	\$0.00	\$0.0065	\$0.0065
SPRINT	ucnc	\$0.2	\$5.47	\$5.47	\$6.21	\$0.00	\$0.00	\$0.00	\$0.0065	\$0.0065
SPRINT SPRINT	ucmw cenv	\$0.2 \$0.1	\$6.50 \$3.65	\$7.00 \$3.65	\$9.20 \$3.66	\$0.00 \$0.00	\$0.00 \$0.00	\$4.31 \$0.00	\$0.0065 \$0.0065	\$0.0065 \$0.0065
SPRINT	ucse	\$0.1	\$5.68	\$5.68	\$6.27	\$0.00	\$0.00	\$0.00	\$0.0065	\$0.0065
SPRINT	utoh	\$0.1	\$5.82	\$5.82	\$6.82	\$0.00	\$0.00	\$0.00	\$0.0065	\$0.0065
SPRINT SPRINT	uteg utin	\$0.1 **	\$4.95 \$6.01	\$4.95 \$6.01	\$8.12 \$9.20	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.55	\$0.0065 \$0.0065	\$0.0065 \$0.0065
SPRINT	utnw	**	\$6.50	\$7.00	\$9.20	\$0.00	\$0.00	\$4.31	\$0.0003	\$0.0091
* Filed 1000 rates time			y							

^{*} Filed 1999 rates times estimated quantities
** Amounts less than \$50 million