

## 7. Rates and Price Indexes

This section contains information on telephone price indexes and rate levels.<sup>1</sup> It describes and presents a series of price indexes maintained by the Bureau of Labor Statistics (BLS). It also discusses rate levels and changes in average rate levels. However, the results of the annual survey on rates collected in October 1999 has not yet been compiled. Therefore, the tables relating to that survey are not included in this edition of the Monitoring Report. The latest available information related to that survey can be found in Tables 7.7 and 7.8 of the June 1999 Monitoring report.

### A. Telephone Service Price Indexes

The BLS collects a variety of information on telephone service as part of three separate programs -- the Consumer Price Index (CPI), the Producer Price Index (PPI), and the Consumer Expenditure Survey. They can be found on the internet at <http://www.bls.gov/datahome.htm> on the World Wide Web. The monthly price indexes represent prices sampled in the middle of the month.

A Consumer Price Index for telephone services was first published in 1935.<sup>2</sup> Since that time, telephone prices have tended to increase at a slower pace than most other prices. Table 7.1 shows long-run changes in the Consumer Price Indexes for all items, all services, telephone services, each of the seven major categories that currently constitute the overall CPI, and several services that are often characterized as public utilities. The price of telephone service has increased less rapidly than the prices of most of these categories when viewed over a long period of time. Chart 7.1 shows the levels of the overall CPI and the CPI for telephone services over time.

The CPI index of telephone services is based on a "market basket" intended to represent the telephone-related expenditures of a typical urban household. It includes both local and long distance services. The annual rate of change during recent years is shown in Table 7.2 for the overall CPI (which measures the impact of inflation on consumers), and the CPI for telephone services. In addition, Table 7.2 shows the Gross Domestic Product chain-type price index (which reflects inflation throughout the economy) prepared by the Bureau of Economic Analysis. Chart 7.2 shows the changes in the overall CPI and the CPI for telephone services over time:

For 1998 the nation's overall level of prices (measured by the CPI for all items) rose by 1.6%. The CPI for telephone services rose by 0.3% during 1998. The CPI for telephone services is composed of three subindexes. During 1998, the local service component (including subscriber line charges) rose by 1.3%, while the price index for interstate toll calls fell by 0.8%, and the price index for state toll calls rose by 1.5%. The changes in these subindexes over time are shown in Chart 7.3.

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<sup>1</sup> For more detailed information, see *Reference Book of Rates, Price Indices, and Household Expenditures for Telephone Service*, published by the FCC's Industry Analysis Division in June 1999.

<sup>2</sup> BLS publishes two sets of Consumer Price Indexes. The CPI-U, used herein, is based on expenditures of all urban consumers. The CPI-W series is based on expenditures of urban wage earners and clerical workers.

The Bureau of Labor Statistics publishes a number of price indexes related to local telephone service, two of which are important to the monitoring program. The CPI index of local telephone charges is based on a broadly defined "market basket" of local services that includes monthly service charges, message unit charges, leased equipment, installation, service enhancements (such as tone dialing and call waiting), taxes, subscriber line charges, and all other consumer expenditures associated with local telephone services except long distance charges. In contrast, the PPI index of monthly residential rates is much more narrowly defined. It is based only on monthly service charges for residential service, optional tone dialing service, and subscriber line charges. It excludes taxes and all other telephone service charges. The annual rates of change for these two indexes are presented in Table 7.3.

CPI data are available for intrastate toll and interstate toll services since December 1977. Table 7.3 also presents the annual changes in these series for recent years.

Price indexes are less reliable when industries are changing rapidly. For example, in 1992, long distance carriers began to increase basic long distance rates while at the same time greatly expanding their range of discount offerings. The fixed market basket of toll calls measured for the CPI did not fully reflect these discounts. In 1998, the CPI for telephone services was altered to include cellular telephone services, making the new index not directly comparable to prior years. In 1995, BLS made major changes to the PPI telephone series, and there are no data after July 1995 comparable with prior data. At that time the BLS introduced revenue-weighted telephone price indexes. The new indexes categorize the telephone industry into much finer detail, though the new series are not comparable to the old in many categories. Because of these sorts of difficulties, measures of average revenues are sometimes used as alternatives to price indexes.

Monthly data for the CPI telephone indexes are shown in Table 7.4. Monthly data for the new CPI indexes are shown in Table 7.5, and the current PPI indexes are shown in Table 7.6.<sup>3</sup>

#### B. Information on Rate Levels

Basic schedule rates of AT&T for directly dialed interstate long distance calls are shown for January 1984 and July 1999 in Table 7.7 for residential and business customers. Higher charges apply to other types of calls, such as those using operator assistance. Lower prices are available through calling plans and other volume discounts. In 1993, AT&T first began to charge different rates to residential and business customers. Since 1984, AT&T's basic schedule charges for directly dialed interstate calls have been reduced by about 30% for residential callers and 20% for business callers.

Table 7.8 contains average revenue per minute for interstate calls. From 1984 to 1994, AT&T's average revenue per minute declined from 32 cents per minute to 18 cents per minute -- a drop of over 40%. Table 7.8 also shows revenue-per-minute estimates calculated by the FCC staff

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<sup>3</sup> The discontinued Producer Price Indexes through July 1995 can be found in Table 5.6 of the May 1997 Monitoring Report in CC Docket No. 87-339.

for all carriers. These estimates show that billed revenue per minute has continued to decline for both international and domestic services.

Table 7.9 shows revenue per minute for 1930 to 1998. For comparison, the table also shows the per-minute charges restated to 1998 dollars. In 1930, about 2/3 of interstate calls covered less than 200 miles and consumers made very few international calls. Today about 2/3 of interstate calls are greater than 200 miles and more than 5% of calls are to international points.

### C. Subscriber Line and Access Charges

Long distance companies rely on the loops, switches, and transport facilities of local telephone companies for access to their customers. As a result, local telephone companies recover a portion of their costs from long distance companies accessing their networks. Both the manner in which these access charges have been assessed and the proportion of the costs they have recovered have varied considerably over time.

In the early 1980s, AT&T provided about three-quarters of the nation's local telephone service and almost all interstate long distance service. Because revenue sharing was largely an internal process for AT&T, it was able to charge prices above cost for long distance calls and share the revenues with local telephone companies. These transfers, while reducing the pressures on the local companies to raise monthly rates, contributed to inefficiently high long distance rates. The high rates were responsible for suppressing demand for long distance calls and inducing large corporations to bypass the public switched network. Moreover, while such revenue sharing arrangements were sustainable in an industry where one firm monopolized both long distance and local service, they were not compatible with a competitive long distance industry.

In mid-1984 the FCC, in cooperation with a Federal-State Joint Board composed of both federal and state regulators, introduced sweeping changes to the way that local companies charged for their services. The historic method of sharing revenues was replaced with a new system of access charges that provided a uniform method for local telephone companies to charge for the origination and termination of interstate traffic on their local networks. In particular, monthly subscriber line charges (SLCs) were introduced to recover a portion of the fixed costs of the local telephone companies loops directly from end users on a per-line basis. Since local telephone companies were required to reduce their charges to long distance carriers -- dollar for dollar -- as SLCs were introduced, they reduced the implicit subsidy from long distance use to local service. The rebalancing of prices between local service and interstate long distance calls during the 1980s had a fundamental impact on the telephone industry as the price of long distance service fell and the volume of long distance calling surged.

In mid-1997, as part of its implementation of the 1996 Telecommunications Act, the FCC introduced further interstate access charge reform. Presubscribed interexchange carrier charges (PICCs) were created in order to allow local carriers to recover the remaining portion of their fixed loop costs from long distance carriers on a per-line, instead of a per-minute, basis. Flat cost recovery on a per-line basis not only eliminates the remaining inefficiency in the pricing of long distance access, but allows local companies to recover costs in a competitively neutral manner, consistent with the goals of the 1996 Act.

**Average monthly SLCs and PICCs are shown in Table 7.10, and average per-minute rates charged to long distance carriers are shown in Table 7.11. Both tables report historical averages for all local exchange carriers (LECs) that file access tariffs subject to price-cap regulation and LECs in the National Exchange Carrier Association (NECA) pool. These LECs control over 98% of the industry's regulated access lines. Current per-line charges and per-minute charges are reported for each of the carriers in Tables 7.12 and 7.13, respectively.**

The averages in Table 7.11 clearly illustrate the effectiveness of access reform in reducing the prices long distance carriers pay per minute for access to the local telephone companies' networks. Per-minute access prices have continually decreased over time, a trend that continues with implementation of the 1997 reforms.

**TABLE 7.1**  
**LONG-TERM CHANGES FOR VARIOUS PRICE INDEXES**  
**(ANNUAL RATES OF CHANGE)**

	1935-1998	1988 - 1998
CPI all items	4.0 %	3.1 %
CPI all services	4.5	3.8
CPI telephone services***	2.0	0.9
CPI major categories:		
- food & beverages	*	3.0
- housing	*	3.0
- apparel & upkeep	3.0	1.0
- transportation	3.7	2.4
- medical care	5.2	5.8
- recreation **	*	2.5
- other goods & services	*	5.9
CPI public transportation	4.9	4.1
CPI piped gas	3.5	1.9
CPI electricity	2.2	1.3
CPI sewer & water maintenance	*	4.9
CPI postage	4.1	2.8

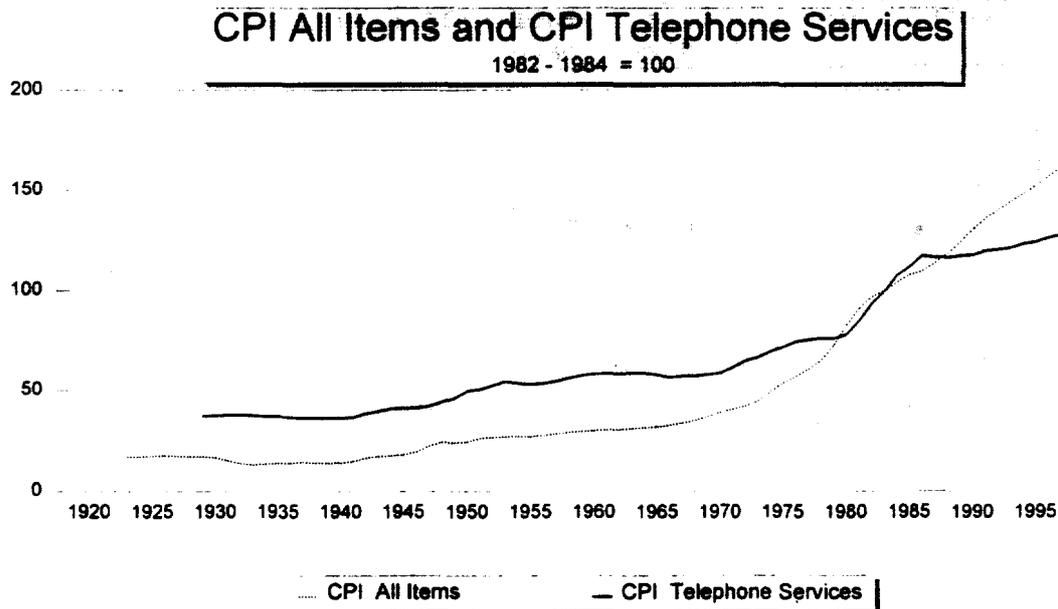
Source: Bureau of Labor Statistics.

\* Series not established until after 1935.

\*\* Series not established until 1998. Figure reflects annual change between 1992 and 1997.

\*\*\* The CPI telephone service index was revised in December of 1997

**CHART 7.1**



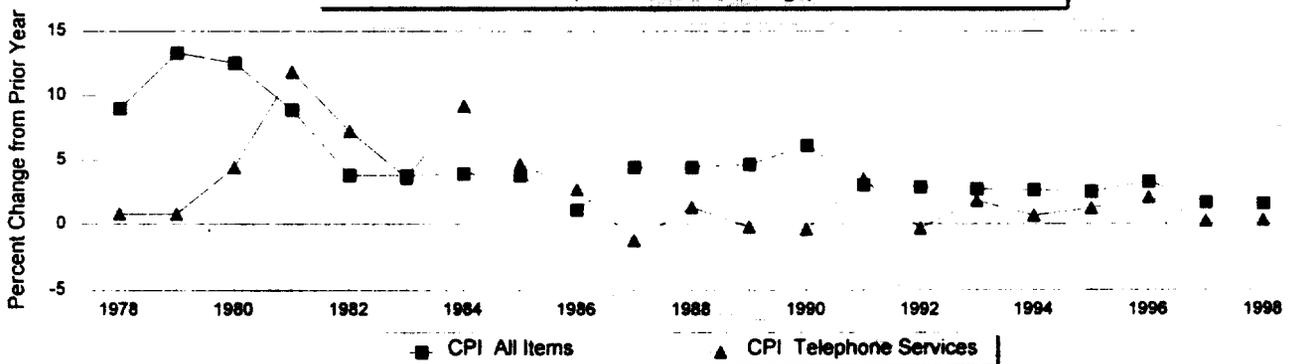
**TABLE 7.2**  
**ANNUAL CHANGES IN MAJOR PRICE INDEXES**

	GDP Chain-type Price Index	CPI: All Items	CPI: Telephone Services
1978	7.2 %	9.0 %	0.8 %
1979	8.6	13.3	0.8
1980	9.2	12.5	4.4
1981	9.4	8.9	11.8
1982	6.2	3.8	7.2
1983	4.3	3.8	3.6
1984	3.7	3.9	9.2
1985	3.6	3.8	4.7
1986	2.5	1.1	2.7
1987	3.1	4.4	-1.3
1988	3.6	4.4	1.3
1989	4.2	4.6	-0.3
1990	4.3	6.1	-0.4
1991	4.0	3.1	3.5
1992	2.8	2.9	-0.3
1993	2.6	2.7	1.8
1994	2.3	2.7	0.7
1995	2.5	2.5	1.2
1996	1.9	3.3	2.1
1997	1.9	1.7	0.2
1998	1.0	1.6	0.3 *

Sources: Bureau of Labor Statistics and Bureau of Economic Analysis  
\* The CPI telephone service index was revised in December of 1997.

**CHART 7.2**

**CPI All Items and CPI Telephone Services**  
(Annual Rates of Change)



**TABLE 7.3**

**ANNUAL CHANGES IN PRICE INDEXES FOR LOCAL AND LONG DISTANCE TELEPHONE SERVICES**

	Local Residential Service		Toll Service *			
	CPI: All Local Charges	PPI: Monthly Service Charges	Interstate Toll Calls		Intrastate Toll Calls	
			CPI	PPI	CPI	PPI
1978	1.4 %	3.1 %	-0.7 %	0.0 %	1.3 %	0.1 %
1979	1.7	1.6	-0.8	-0.9	0.1	-0.7
1980	7.0	7.1	3.4	5.5	-0.6	2.3
1981	12.6	15.6	14.6	15.9	6.2	8.0
1982	10.8	9.0	2.7	3.9	4.2	1.7
1983	3.1	0.2	1.4	0.0	7.4	3.9
1984	17.2	10.4	-4.3	-5.1	3.6	3.8
1985	8.9	12.4	-3.7	-3.0	0.6	2.1
1986	7.1	8.9	-9.4	-10.0	0.3	-3.5
1987	3.3	2.6	-12.4	-11.8	-3.0	-3.0
1988	4.5	4.6	-4.2	-2.1	-4.2	-3.7
1989	0.6	1.9	-1.3	-1.7	-2.6	0.5
1990	1.0	1.5	-3.7	-0.1	-2.2	-2.2
1991	5.1	2.1	1.3	-1.3	-1.5	-2.6
1992	0.5	-0.2	-1.3	1.0	-2.4	1.3
1993	1.0	0.8	6.5	3.8	0.2	-1.1
1994	-0.3	0.7	5.4	6.1	-1.0	-1.4
1995	2.6	**	0.1	**	-3.8	**
1996	0.9	0.2	3.7	2.5	6.1	0.5
1997	1.0	0.2	-4.3	3.6	2.8	-4.0
1998	1.3	-0.1	-0.8	0.0	1.5	-3.3

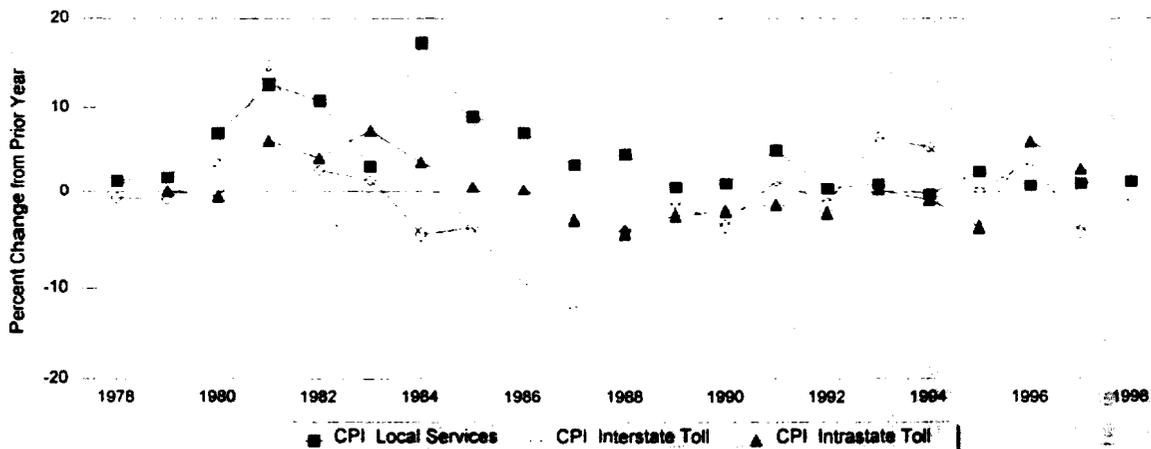
Source: Bureau of Labor Statistics.

\* CPI toll indexes represent rates for households. Through 1994, PPI toll indexes represent rate changes for both business and residential consumers. Since 1995, PPI indexes reflect rates for residential customers.

\*\* The PPI telephone indexes were revised in June of 1995. The series are not comparable. Due to substantial month to month variation in the new PPI indexes, PPI price levels are determined using a five month weighted average.

**CHART 7.3**

**CPI Telephone Service Price Indexes**  
(Annual Rates of Change)



**Table 7.4**  
**Consumer Price Indices**  
(1982-1984 = 100)

	<b>All Goods &amp; Services</b>	<b>All Telephone Services</b>	<b>Local Services</b>	<b>Interstate Toll Service</b>	<b>Intrastate Toll Service</b>
<b>BLS Series ID</b>	<b>CUUR0000SA0</b>	<b>CUUR0000SE270A</b>	<b>CUUR0000SEED01</b>	<b>CUUR0000SS27051</b>	<b>CUUR0000SS27061</b>
1983 January	97.8	98.1	97.2	100.9	97.3
February	97.9	98.3	96.8	101.6	98.9
March	97.9	98.5	97.0	101.6	99.3
April	98.6	98.4	96.8	101.6	99.5
May	99.2	98.9	97.5	101.6	100.0
June	99.5	99.3	98.1	101.6	100.2
July	99.9	99.5	98.1	101.7	100.9
August	100.2	99.6	98.3	101.7	101.0
September	100.7	99.9	98.6	101.7	101.2
October	101.0	99.7	98.3	101.4	101.6
November	101.2	100.4	99.5	101.4	102.3
December	101.3	99.8	98.3	101.3	102.2
1984 January	101.9	105.0	106.7	101.3	104.2
February	102.4	107.0	110.0	102.1	104.2
March	102.6	106.4	109.1	102.1	104.1
April	103.1	106.7	109.1	102.0	105.6
May	103.4	106.9	109.5	102.3	105.1
June	103.7	107.1	110.7	98.9	106.5
July	104.1	107.7	112.3	96.9	107.5
August	104.5	107.9	112.9	96.8	106.6
September	105.0	108.7	114.3	96.8	106.5
October	105.3	108.8	114.5	97.0	106.5
November	105.3	109.4	115.4	96.9	107.1
December	105.3	109.0	115.2	96.9	105.9
1985 January	105.5	109.3	115.6	96.9	105.9
February	106.0	108.3	113.8	96.9	105.8
March	106.4	109.5	116.0	96.9	106.1
April	106.9	109.4	115.8	96.9	106.0
May	107.3	109.6	116.0	97.4	105.8
June	107.6	112.1	121.3	94.7	106.2
July	107.8	112.9	123.0	93.1	107.5
August	108.0	113.6	123.9	93.3	107.8
September	108.3	113.7	124.2	93.3	107.8
October	108.7	113.8	124.3	93.3	108.0
November	109.0	114.2	125.2	93.3	107.9
December	109.3	114.1	125.5	93.3	106.5
1986 January	109.6	114.6	126.2	93.3	106.7
February	109.3	114.8	126.4	93.3	107.0
March	108.8	115.3	127.2	93.3	107.1
April	108.6	116.5	129.5	93.3	106.8
May	108.9	116.5	129.5	93.3	106.9
June	109.5	118.7	135.6	88.0	106.7
July	109.5	118.7	137.0	84.7	106.7
August	109.7	118.8	137.2	84.4	107.0
September	110.2	118.3	136.5	84.4	106.5
October	110.3	118.9	137.5	84.4	106.8
November	110.4	117.6	135.1	84.4	106.5
December	110.5	117.2	134.4	84.5	106.8

**Table 7.4**  
**Consumer Price Indices**  
(1982-1984 = 100)

	<b>All Goods &amp; Services</b>	<b>All Telephone Services</b>	<b>Local Services</b>	<b>Interstate Toll Service</b>	<b>Intrastate Toll Service</b>
<b>BLS Series ID</b>	<b>CUUR0000SA0</b>	<b>CUUR0000SE270A</b>	<b>CUUR0000SEED01</b>	<b>CUUR0000SS27051</b>	<b>CUUR0000SS27061</b>
1987 January	111.2	116.6	137.6	77.1	107.0
February	111.6	116.4	137.5	77.1	106.4
March	112.1	116.4	137.4	77.1	106.4
April	112.7	116.7	138.2	77.0	106.3
May	113.1	116.4	138.1	76.7	105.2
June	113.5	115.6	137.5	76.7	102.7
July	113.8	116.6	141.0	73.4	104.0
August	114.4	117.0	141.9	73.4	103.8
September	115.0	116.6	140.9	73.7	103.5
October	115.3	117.0	141.3	73.7	104.1
November	115.4	116.9	141.4	73.7	103.6
December	115.4	115.7	138.9	74.0	103.6
1988 January	115.7	115.8	139.9	72.2	104.1
February	116.0	116.6	141.6	72.2	103.6
March	116.5	116.2	141.1	72.0	103.2
April	117.1	116.6	142.0	72.1	102.9
May	117.5	116.6	142.0	72.1	102.8
June	118.0	115.8	140.8	72.1	102.3
July	118.5	115.8	141.4	72.1	100.3
August	119.0	114.8	139.4	72.1	100.3
September	119.8	115.6	140.6	73.1	100.0
October	120.2	115.8	141.1	73.1	99.4
November	120.3	115.7	140.9	73.1	99.4
December	120.5	117.2	145.2	70.9	99.2
1989 January	121.1	116.8	145.0	70.9	97.4
February	121.6	116.6	144.7	70.8	97.4
March	122.3	116.2	144.1	70.8	96.9
April	123.1	117.2	146.6	70.0	96.8
May	123.8	117.9	147.8	69.8	97.4
June	124.1	117.6	147.2	69.8	97.4
July	124.4	117.8	147.8	69.6	97.0
August	124.6	117.7	147.6	69.6	97.0
September	125.0	117.8	147.9	69.6	96.9
October	125.6	116.9	146.2	69.6	96.7
November	125.9	117.2	146.8	69.6	96.8
December	126.1	116.9	146.0	70.0	96.6
1990 January	127.4	117.6	148.4	69.1	95.2
February	128.0	117.9	149.0	69.0	95.1
March	128.4	118.2	149.7	69.0	95.0
April	128.9	118.4	150.0	69.0	95.1
May	129.2	118.0	149.2	69.0	95.2
June	129.9	118.0	149.2	69.0	95.3
July	130.4	115.5	145.4	67.4	95.4
August	130.6	117.7	149.7	67.4	95.3
September	132.7	117.9	150.1	67.4	95.2
October	133.5	118.6	151.4	67.4	94.8
November	133.8	118.6	151.4	67.4	94.7
December	133.8	116.4	147.5	67.4	94.5

**Table 7.4**  
**Consumer Price Indices**  
(1982-1984 = 100)

	<b>All Goods &amp; Services</b>	<b>All Telephone Services</b>	<b>Local Services</b>	<b>Interstate Toll Service</b>	<b>Intrastate Toll Service</b>
<b>ELS Series ID</b>	<b>CUUR0000SA0</b>	<b>CUUR0000SE270A</b>	<b>CUUR0000SEED01</b>	<b>CUUR0000SS27051</b>	<b>CUUR0000SS27061</b>
1991 January	134.6	119.3	153.4	67.1	93.4
February	134.8	119.2	153.2	67.1	93.4
March	135.0	119.3	153.2	67.5	93.3
April	135.2	119.3	153.4	67.5	92.9
May	135.6	119.3	153.6	67.5	92.6
June	136.0	119.5	153.6	67.5	93.1
July	136.2	119.6	153.8	67.5	93.2
August	136.6	119.7	154.1	67.5	93.2
September	137.2	119.9	154.2	68.0	93.1
October	137.4	120.0	154.5	68.0	92.9
November	137.8	120.4	155.0	68.2	93.3
December	137.9	120.5	155.0	68.3	93.1
1992 January	138.1	120.8	155.8	68.6	92.5
February	138.6	120.8	155.8	68.6	92.2
March	139.3	120.9	156.2	68.6	91.8
April	139.5	120.8	156.2	68.6	91.4
May	139.7	120.8	156.2	68.6	91.4
June	140.2	119.9	154.7	68.2	91.2
July	140.5	120.3	155.7	67.5	91.4
August	140.9	120.1	155.4	67.6	91.2
September	141.3	120.0	155.3	67.4	91.1
October	141.8	120.0	155.4	67.4	91.0
November	142.0	120.0	155.4	67.4	90.9
December	141.9	120.1	155.7	67.4	90.9
1993 January	142.6	120.7	156.4	68.3	90.6
February	143.1	120.7	156.3	68.3	90.6
March	143.6	120.9	156.3	69.0	90.7
April	144.0	120.3	155.3	69.0	90.5
May	144.2	120.9	156.3	69.0	90.6
June	144.4	120.7	156.0	69.0	90.3
July	144.4	121.0	156.2	69.3	90.7
August	144.8	121.2	156.3	70.1	90.7
September	145.1	121.6	156.7	70.3	90.9
October	145.7	121.8	156.8	70.8	91.0
November	145.8	121.9	157.0	70.8	91.0
December	145.8	122.3	157.2	71.8	91.1
1994 January	146.2	122.0	156.8	71.8	90.5
February	146.7	123.3	156.9	75.6	90.5
March	147.2	123.2	156.9	75.6	90.2
April	147.4	123.0	156.8	75.3	90.0
May	147.5	123.1	157.0	75.2	90.0
June	148.0	123.3	157.2	75.3	90.3
July	148.4	123.2	157.1	75.3	90.3
August	149.0	123.3	157.1	75.6	90.3
September	149.4	123.3	156.9	75.7	90.3
October	149.5	123.2	156.9	75.7	90.2
November	149.7	123.1	156.6	75.7	90.1
December	149.7	123.1	156.7	75.7	90.2

**Table 7.4**  
**Consumer Price Indices**  
(1982-1984 = 100)

	<b>All Goods &amp; Services</b>	<b>All Telephone Services</b>	<b>Local Services</b>	<b>Interstate Toll Service</b>	<b>Intrastate Toll Service</b>
<b>BLS Series ID</b>	<b>CUUR0000SA0</b>	<b>CUUR0000SE270A</b>	<b>CUUR0000SEED01</b>	<b>CUUR0000SS27051</b>	<b>CUUR0000SS27061</b>
1995 January	150.3	124.7	160.9	76.3	85.9
February	150.9	123.8	160.4	74.3	85.6
March	151.4	123.6	160.1	74.1	85.5
April	151.9	123.7	160.0	74.9	85.5
May	152.2	123.5	159.5	74.9	85.7
June	152.5	124.0	160.5	74.9	85.5
July	152.5	124.1	160.4	74.9	86.2
August	152.9	123.9	160.2	74.9	86.0
September	153.2	124.1	160.5	74.9	86.1
October	153.7	124.2	160.5	74.9	86.8
November	153.6	124.1	160.6	74.4	86.7
December	153.5	124.6	160.7	75.8	86.8
1996 January	154.4	124.7	160.6	75.8	87.2
February	154.9	124.7	160.7	75.8	87.2
March	155.7	125.4	160.6	78.0	87.5
April	156.3	123.5	156.8	78.0	88.0
May	156.6	125.4	160.3	78.0	88.6
June	156.7	126.0	161.0	78.4	88.9
July	157.0	126.2	161.3	78.4	89.1
August	157.3	126.5	161.3	78.4	90.9
September	157.8	126.7	161.4	78.6	91.0
October	158.3	126.9	161.9	78.6	91.0
November	158.6	127.0	161.9	78.6	91.3
December	158.6	127.2	162.1	78.6	92.1
1997 January	159.1	127.6	161.7	80.4	91.9
February	159.6	127.6	162.3	78.8	93.6
March	160.0	127.9	162.6	78.8	93.9
April	160.2	128.0	162.7	78.8	93.8
May	160.1	128.0	162.9	78.8	93.8
June	160.3	128.3	163.5	78.8	93.8
July	160.5	128.3	163.4	78.7	94.1
August	160.8	127.1	163.4	74.8	94.1
September	161.2	127.1	163.3	74.8	94.5
October	161.6	127.3	163.7	75.1	93.9
November	161.5	127.6	163.8	75.1	95.0
December	161.3	127.5	163.8	75.2	94.7
1998 January	161.6		163.8	75.2	94.3
February	161.9	<b>Discontinued</b>	164.4	75.3	93.7
March	162.2	<b>Refer to Table 7.5</b>	165.6	75.3	94.4
April	162.5	<b>for revised index</b>	165.6	75.3	95.6
May	162.8	<b>of telephone</b>	165.7	76.3	96.2
June	163.0	<b>service.</b>	166.1	76.1	97.1
July	163.2		166.2	76.7	95.9
August	163.4		166.0	74.5	96.2
September	163.6		166.1	75.2	96.0
October	164.0		166.3	75.2	96.2
November	164.0		166.4	75.8	96.7
December	163.9		166.0	74.6	96.1

**Table 7.4**  
**Consumer Price Indices**  
 (1982-1984 = 100)

	<b>All Goods &amp; Services</b>	<b>All Telephone Services</b>	<b>Local Services</b>	<b>Interstate Toll Service</b>	<b>Intrastate Toll Service</b>
<b>BLS Series ID</b>	<b>CUUR0000SA0</b>	<b>CUUR0000SE270A</b>	<b>CUUR0000SEED01</b>	<b>CUUR0000SS27051</b>	<b>CUUR0000SS27061</b>
1999 January	164.3		167.4	74.7	95.9
February	164.5		167.1	74.5	95.4
March	165.0		167.6	74.0	95.0
April	166.2		165.3	74.8	95.4
May	166.2		168.2	72.5	94.9
June	166.2		169.1	72.4	94.9
July	166.7		169.8	71.7	94.7
August	167.1		170.0	72.1	94.5
September	167.9		169.8	72.1	93.9
October	168.2		169.5	72.9	93.6
November	168.3		170.2	74.5	93.9

**Table 7.5**  
**New Consumer Price Indexes (December 1997 = 100)**

		<b>Telephone Services</b>	<b>Local Telephone</b>	<b>Long Distance Charges</b>	<b>Interstate Toll Service</b>	<b>Intrastate Toll Service</b>	<b>Cellular Telephone</b>
<b>BLS Series ID</b>		CUUR0000SEED	CUUR0000SEED01	CUUR0000SEED02	CUUR0000SS27051	CUUR0000SS27061	CUUR0000SEED03
1997	December	100.0	100.0	100.0	100.0	100.0	100.0
1998	January	99.9	100.0	99.8	100.0	99.6	99.0
	February	100.0	100.4	99.7	100.1	98.9	98.1
	March	100.4	101.1	99.9	100.1	99.7	97.4
	April	100.5	101.1	100.1	100.1	101.0	96.4
	May	101.1	101.2	101.3	101.5	101.6	96.2
	June	101.4	101.4	101.7	101.2	102.5	94.4
	July	101.5	101.5	101.9	102.0	101.3	94.2
	August	100.4	101.3	99.9	99.1	101.6	93.9
	September	100.7	101.4	100.4	100.0	101.4	94.1
	October	100.7	101.5	100.4	100.0	101.6	93.7
	November	101.1	101.6	101.0	100.8	102.1	92.4
	December	100.3	101.3	99.9	99.2	101.5	91.7
1999	January	100.7	102.2	99.9	99.3	101.3	90.9
	February	100.4	102.0	99.5	99.1	100.7	89.7
	March	100.2	102.3	98.9	98.4	100.3	89.0
	April	100.0	100.9	99.8	99.5	100.7	87.8
	May	99.6	102.7	97.5	96.4	100.2	85.8
	June	99.7	103.2	97.4	96.3	100.2	84.0
	July	99.5	103.7	96.7	95.3	100.0	82.9
	August	99.8	103.8	97.1	95.9	99.8	82.3
	September	99.6	103.7	96.8	95.9	99.2	82.6
	October	99.8	103.5	97.4	96.9	98.8	82.0
	November	100.6	103.9	98.7	99.1	99.2	81.2

**Table 7.6**  
**Producer Price Indices**  
(June 1995 = 100)

	Final Demand	Telephone Communications except Radiotelephone	Local Service, except Private Lines	Residence Local Service	Business Local Service	Coin Local Service	Other Local Service
<b>BLS Series ID</b>	<b>pcubfd1#</b>	<b>pcu4813#</b>	<b>pcu4813#1</b>	<b>pcu4813#111</b>	<b>pcu4813#112</b>	<b>pcu4813#113</b>	<b>pcu4813#114</b>
1995 June	100.0	100.0	100.0	100.0	100.0	100.0	100.0
July	100.0	102.8	100.0	100.0	100.0	100.0	100.0
August	99.9	100.7	100.0	100.0	100.0	100.0	100.0
September	99.8	100.6	100.1	100.0	100.2	100.6	100.0
October	100.4	100.4	100.0	99.8	100.2	100.6	100.0
November	100.4	99.6	100.0	99.8	100.2	100.6	100.0
December	100.8	99.6	100.0	99.8	100.2	100.6	100.0
1996 January	101.1	99.3	100.0	99.8	100.1	100.6	100.0
February	101.1	99.6	100.0	99.8	100.2	100.6	100.0
March	101.6	99.5	100.1	99.8	100.2	101.9	100.0
April	102.0	99.7	100.1	99.8	100.2	101.9	100.0
May	102.6	99.5	100.1	99.8	100.2	101.9	100.0
June	102.9	99.9	100.2	100.0	100.2	101.9	100.0
July	102.8	100.3	100.3	100.0	100.4	102.0	100.0
August	103.0	100.6	100.4	100.0	100.5	102.0	100.0
September	102.9	100.5	100.4	100.0	100.5	102.0	100.0
October	103.7	100.4	100.4	100.0	100.5	102.0	100.0
November	103.4	100.1	100.4	100.0	100.5	102.0	100.0
December	103.4	99.5	100.4	100.0	100.5	102.0	100.0
1997 January	103.5	100.5	100.4	100.0	100.5	102.0	100.0
February	103.3	99.8	100.4	100.0	100.5	102.0	100.0
March	103.1	99.0	100.3	100.0	100.5	102.0	100.0
April	102.6	99.2	100.4	100.0	100.6	102.0	100.0
May	102.8	99.9	100.5	100.2	100.7	102.1	100.0
June	102.7	100.4	100.5	100.2	100.7	102.1	100.0
July	102.5	100.1	100.4	100.1	100.5	102.1	100.0
August	102.8	100.4	100.4	100.1	100.5	102.1	100.0
September	102.9	99.3	100.4	100.1	100.5	102.1	100.0
October	103.3	99.0	100.4	100.2	100.5	102.1	100.0
November	102.9	99.0	100.5	100.2	100.5	102.1	102.3
December	102.5	99.1	100.4	100.2	100.5	101.4	102.3
1998 January	101.8	99.2	100.5	100.2	100.6	101.7	102.3
February	101.7	99.0	100.5	100.2	100.6	101.7	102.3
March	101.6	98.7	100.5	100.2	100.6	101.7	102.3
April	101.9	98.6	100.5	100.2	100.6	101.7	102.3
May	102.0	98.7	100.4	100.0	100.5	101.7	102.3
June	102.0	98.2	100.3	100.0	100.4	101.7	102.3
July	102.3	99.0	100.3	100.1	100.3	101.7	102.3
August	102.0	98.7	100.3	100.1	100.3	101.7	102.3
September	102.0	98.5	100.3	100.1	100.4	101.7	102.3
October	102.7	97.9	100.3	100.1	100.3	101.7	102.3
November	102.1	97.3	100.3	100.1	100.3	101.7	102.3
December	102.2	97.4	100.3	100.1	100.4	101.7	102.3
1999 January	102.5	96.9	100.4	100.2	100.4	101.7	102.3
February	102.1	96.2	100.4	100.2	100.5	101.7	102.3
March	102.3	96.6	100.4	100.2	100.5	101.7	102.3
April	103.0	97.3	100.5	100.2	100.5	101.7	102.3
May	103.4	97.0	100.5	100.2	100.5	101.7	102.3
June	103.7	97.1	100.5	100.2	100.5	101.7	102.3
July	104.0	95.5	100.5	100.2	100.5	101.8	102.5
August *	104.4	96.8	100.5	100.2	100.5	101.7	102.5
September *	105.4	97.1	100.6	100.4	100.5	101.8	102.5
October *	105.7	95.0	100.6	100.4	100.5	101.8	102.5
November *	105.7	94.8	100.6	100.4	100.5	101.8	102.5

\* Subject to revision

**Table 7.6**  
**Producer Price Indices**  
(June 1995 = 100)

	Directory Assistance	Other Local Service, except Directory Assistance	Public Switched Toll Service	Residence Switched Toll Service	Intrastate Residence Switched Toll Service	Interstate Residence Switched Toll Service	International Residence Switched Toll Service
<b>BLS Series ID</b>	<b>pcu4813#11401</b>	<b>pcu4813#11409</b>	<b>pcu4813#2</b>	<b>pcu4813#21</b>	<b>pcu4813#211</b>	<b>pcu4813#212</b>	<b>pcu4813#213</b>
1995 June	100.0	100.0	100.0	100.0	100.0	100.0	100.0
July	100.0	100.0	105.2	102.6	101.2	105.2	99.4
August	100.0	100.0	101.3	101.3	101.1	103.7	95.7
September	100.0	100.0	101.0	101.0	103.2	100.1	97.2
October	100.0	100.0	100.8	102.0	105.8	100.9	96.4
November	100.0	100.0	99.3	99.7	102.9	98.1	94.3
December	100.0	100.0	99.1	100.1	104.2	96.3	97.1
1996 January	100.0	100.0	98.8	99.6	101.6	99.3	95.0
February	100.0	100.0	99.3	100.3	104.7	98.2	95.0
March	100.0	100.0	99.0	101.3	106.3	98.8	92.9
April	100.0	100.0	99.3	100.6	104.2	98.6	93.3
May	100.0	100.0	98.8	100.8	106.0	97.9	93.8
June	100.0	100.0	99.5	101.2	106.0	98.2	94.2
July	100.0	100.0	100.2	102.8	106.4	102.3	92.8
August	100.0	100.0	100.9	103.3	110.4	99.2	90.5
September	100.0	100.0	100.6	102.1	107.8	98.1	89.3
October	100.0	100.0	100.4	101.2	104.0	101.3	85.9
November	100.0	100.0	99.9	100.1	105.7	99.1	79.8
December	100.0	100.0	98.8	99.2	105.1	97.0	77.8
1997 January	100.0	100.0	100.6	102.7	103.5	105.4	82.0
February	100.0	100.0	99.3	101.7	103.1	104.1	79.6
March	100.0	100.0	97.7	99.5	102.2	99.0	80.2
April	100.0	100.0	98.2	100.2	101.0	102.2	80.1
May	100.0	100.0	99.3	101.4	101.8	105.0	80.1
June	100.0	100.0	100.3	101.8	101.4	104.9	84.4
July	100.0	100.0	99.7	102.2	99.9	107.0	85.1
August	100.0	100.0	100.4	103.4	100.9	107.1	85.6
September	100.0	100.0	98.4	100.9	100.5	104.2	85.6
October	100.0	100.0	97.8	99.4	100.7	102.0	84.7
November	103.6	100.0	97.6	98.2	103.9	97.3	80.7
December	103.6	100.0	97.9	99.7	100.6	104.6	83.4
1998 January	103.6	100.0	98.0	100.5	99.0	107.2	82.7
February	103.6	100.0	97.7	100.2	96.7	110.0	76.8
March	103.6	100.0	97.2	100.8	94.0	115.1	78.1
April	103.6	100.0	97.0	99.1	97.8	107.3	78.0
May	103.6	100.0	97.2	99.9	99.2	107.3	79.6
June	103.6	100.0	96.4	98.9	99.3	105.3	77.6
July	103.6	100.0	97.9	100.9	99.0	108.7	76.3
August	103.6	100.0	97.2	99.6	97.8	109.1	76.7
September	103.6	100.0	96.8	98.7	97.2	108.3	74.2
October	103.6	100.0	95.7	98.9	97.5	107.8	76.4
November	103.6	100.0	94.6	96.3	96.9	102.4	73.2
December	103.6	100.0	94.8	96.2	96.9	104.2	68.3
1999 January	103.6	100.0	93.9	97.3	97.2	105.0	72.7
February	103.6	100.0	92.5	95.4	96.4	102.0	69.6
March	103.6	100.0	93.3	96.9	97.0	106.0	68.0
April	103.6	100.0	94.5	97.6	96.6	108.0	69.1
May	103.6	100.0	93.9	97.3	96.8	106.8	69.5
June	103.6	100.0	94.2	97.4	96.7	107.2	69.3
July	104.0	100.0	91.1	98.4	97.2	108.7	71.6
August *	104.0	100.0	93.6	97.6	97.1	107.0	70.3
September *	104.0	100.0	94.0	99.0	96.7	110.3	72.7
October *	104.0	100.0	90.1	97.8	96.7	108.0	69.8
November *	104.0	100.0	89.8	96.8	96.7	107.1	65.3

\* Subject to revision

**Table 7.6**  
**Producer Price Indices**  
 (June 1985 = 100)

	Business Switched Toll Service	Business Switched Access Toll Service	Outbound Business Switched Access Toll Service	Intrastate Business Switched Access Toll Service, Outbound	Interstate Business Switched Access Toll Service, Outbound	International Business Switched Access Toll Service, Outbound	Inbound Business Switched Access Toll Service
BLS Series ID	pcu4813#22	pcu4813#221	pcu4813#2211	pcu4813#22111	pcu4813#22112	pcu4813#22113	pcu4813#2212
1995 June	100.0	100.0	100.0	100.0	100.0	100.0	100.0
July	108.2	104.0	103.8	100.6	102.7	116.4	104.4
August	101.4	101.4	101.3	100.7	102.7	99.2	101.6
September	101.0	102.1	103.1	101.0	103.3	109.4	100.3
October	99.5	100.3	99.4	100.8	98.9	97.0	101.9
November	98.8	99.2	99.4	100.8	98.5	97.9	98.9
December	98.0	98.4	99.2	100.3	98.5	98.9	97.1
1996 January	97.8	98.7	99.1	100.9	95.9	102.7	98.0
February	98.0	99.0	98.3	101.5	96.5	94.0	100.1
March	96.3	96.5	96.2	100.7	93.7	88.7	97.0
April	97.8	98.4	98.0	101.2	94.8	96.3	99.0
May	96.5	96.7	97.8	101.6	95.1	93.9	94.7
June	97.5	97.2	97.5	101.1	96.5	87.6	96.5
July	97.1	97.4	97.2	101.6	95.3	88.8	97.7
August	98.0	99.4	99.7	102.0	101.6	88.5	98.9
September	98.9	100.3	101.7	102.2	108.2	84.0	97.7
October	99.4	102.5	105.0	103.1	114.5	87.4	98.1
November	99.7	101.3	101.4	101.7	106.0	89.1	101.0
December	98.2	99.2	97.8	101.8	98.2	82.2	101.5
1997 January	98.0	100.1	97.6	102.6	96.1	86.6	104.4
February	96.4	98.8	97.5	102.4	98.8	81.1	101.0
March	95.7	98.3	97.9	101.0	98.2	89.1	98.9
April	95.8	98.7	98.7	100.8	100.5	88.7	98.8
May	96.9	100.7	100.7	101.3	106.5	85.8	100.8
June	98.5	103.2	103.7	100.4	113.6	90.7	102.4
July	96.7	103.0	105.9	100.4	121.0	86.0	98.1
August	96.9	104.2	107.0	100.8	124.0	85.2	99.4
September	95.5	103.2	107.9	101.9	125.9	83.1	95.2
October	95.8	103.3	107.6	102.1	124.0	86.7	95.9
November	96.9	104.6	108.3	101.7	125.9	88.3	98.2
December	95.8	104.4	108.8	103.0	126.3	87.2	96.6
1998 January	95.0	102.9	108.7	102.6	126.3	85.3	92.8
February	94.6	103.0	111.1	102.5	132.1	87.5	88.9
March	93.0	100.5	108.9	102.3	128.2	83.6	85.9
April	94.4	103.0	112.6	102.5	137.3	85.8	86.4
May	94.0	102.7	111.5	101.6	135.6	86.5	87.3
June	93.5	102.2	111.2	102.8	132.8	87.0	86.5
July	94.3	103.4	112.0	103.7	134.6	85.3	88.4
August	94.3	102.3	112.9	104.2	135.4	87.9	84.1
September	94.6	105.8	115.6	105.6	142.1	85.2	88.7
October	92.0	102.6	111.2	106.9	130.0	82.3	87.6
November	92.5	102.3	111.4	106.4	129.1	87.1	86.6
December	93.1	103.4	112.5	106.3	132.1	87.8	87.5
1999 January	89.9	100.0	108.1	104.7	122.2	88.1	86.0
February	89.1	99.7	106.4	104.5	118.4	86.2	88.0
March	89.0	100.0	107.5	104.9	120.3	88.0	87.0
April	90.8	101.2	107.9	104.3	122.2	88.1	89.4
May	89.9	100.5	107.9	104.1	120.6	92.3	87.8
June	90.5	101.9	110.5	104.7	123.8	100.2	86.9
July	82.4	93.8	100.0	102.5	104.6	84.2	83.0
August *	88.9	101.8	110.9	104.9	129.7	87.0	86.0
September *	88.1	101.1	110.2	104.8	129.2	83.6	85.4
October *	80.9	91.1	94.6	101.4	104.0	52.5	84.9
November *	81.6	93.3	100.2	102.2	106.4	82.2	81.4

\* Subject to revision

**Table 7.6**  
**Producer Price Indices**  
 (June 1985 = 100)

	Intrastate Business Switched Access Toll Service, Inbound	Interstate Business Switched Access Toll Service, Inbound	International Business Switched Access Toll Service, Inbound	Business Special Access Switched Toll Service, except Private Lines	Outbound Business Special Access Switched Toll Service	Intrastate Business Special Access Switched Toll Service, Outbound
<b>BLS Series ID</b>	<b>pcu4813#22121</b>	<b>pcu4813#22122</b>	<b>pcu4813#22123</b>	<b>pcu4813#222</b>	<b>pcu4813#2221</b>	<b>pcu4813#22211</b>
1995 June	100.0	100.0	100.0	100.0	100.0	100.0
July	100.6	107.5	94.6	115.4	119.9	119.0
August	100.7	101.8	103.9	101.3	100.3	105.6
September	98.9	101.1	92.4	99.1	97.7	98.9
October	98.3	104.1	99.3	98.0	98.3	107.4
November	99.5	99.5	95.5	98.0	98.5	105.8
December	101.0	93.5	107.1	97.3	97.8	100.0
1996 January	96.2	95.6	106.6	96.3	95.8	105.2
February	97.4	98.8	101.2	96.4	95.1	103.6
March	95.3	90.4	93.4	95.8	94.3	101.2
April	95.9	94.9	91.0	96.9	95.3	102.1
May	91.2	92.3	88.1	96.2	96.6	93.8
June	96.6	90.0	93.9	98.2	96.2	102.2
July	95.6	89.6	93.2	96.7	95.1	112.2
August	91.4	94.8	100.6	95.6	95.9	110.6
September	92.3	94.2	92.9	96.6	95.1	100.7
October	91.0	94.4	93.6	94.2	93.3	96.0
November	91.6	97.9	86.7	96.9	93.6	93.8
December	90.8	91.5	93.2	96.7	90.7	90.3
1997 January	87.1	95.6	101.5	94.6	90.5	85.5
February	90.5	95.5	91.8	92.3	89.6	87.9
March	90.3	93.0	82.8	91.2	88.5	86.3
April	90.7	92.2	90.2	91.0	89.0	88.3
May	87.8	99.0	86.9	90.5	86.7	87.0
June	86.9	100.5	91.7	90.5	87.3	82.0
July	82.2	94.0	84.4	86.1	83.3	83.4
August	81.7	97.4	79.4	84.4	81.0	83.5
September	79.7	88.9	72.5	82.4	76.9	82.8
October	80.8	87.4	74.3	83.2	77.9	81.2
November	79.5	92.0	79.8	83.8	77.8	85.5
December	75.6	90.9	73.9	81.3	76.8	86.0
1998 January	76.0	85.4	68.8	81.7	75.9	83.4
February	74.2	84.7	74.3	80.6	73.2	79.7
March	75.7	80.6	74.8	80.3	76.7	85.8
April	72.9	84.2	67.3	79.7	74.7	77.9
May	69.5	85.8	62.3	79.2	73.0	79.8
June	70.0	85.0	59.8	78.8	68.7	76.0
July	75.6	85.6	60.1	79.0	67.4	65.2
August	74.2	78.6	62.8	80.7	70.5	70.4
September	75.6	86.7	61.1	75.8	66.1	70.5
October	74.6	85.4	55.7	74.1	65.4	65.7
November	70.5	84.8	60.1	76.0	70.1	71.4
December	73.8	84.6	65.6	75.9	67.2	70.1
1999 January	75.3	79.6	69.9	72.9	65.4	67.0
February	78.0	83.4	65.2	71.2	63.5	63.0
March	74.7	82.9	65.4	70.5	62.3	63.5
April	76.5	86.8	70.9	73.3	64.7	69.5
May	74.4	83.7	75.7	72.0	63.1	66.0
June	73.6	82.4	74.5	71.2	60.0	61.9
July	70.7	74.5	79.3	63.0	58.3	61.5
August *	74.8	80.2	69.2	67.2	58.8	69.9
September *	74.2	79.1	69.2	66.0	57.0	68.7
October *	72.1	80.1	61.2	63.8	55.7	60.8
November *	68.0	73.3	68.8	61.7	54.9	55.8

\* Subject to revision

**Table 7.6**  
**Producer Price Indices**  
 (June 1988 = 100)

	Interstate Business Special Access Switched Toll Service, Outbound	International Business Special Access Switched Toll Service, Outbound	Inbound Business Special Access Switched Toll Service	Intrastate Business Special Access Switched Toll Service, Inbound	Interstate Business Special Access Switched Toll Service, Inbound	International Business Special Access Switched Toll Service, Inbound
BLS Series ID	pcu4813#22212	pcu4813#22213	pcu4813#2222	pcu4813#22221	pcu4813#22222	pcu4813#22223
1995 June	100.0	100.0	100.0	100.0	100.0	100.0
July	98.9	152.8	107.3	101.6	109.0	99.6
August	98.9	100.4	103.3	107.4	102.2	98.5
September	95.3	99.7	101.7	104.9	99.9	97.6
October	92.9	105.7	97.5	93.8	99.7	97.3
November	94.9	105.1	97.0	93.3	98.7	97.2
December	95.3	103.8	96.4	94.2	97.1	97.1
1996 January	92.6	97.8	97.1	93.5	97.7	97.0
February	91.7	96.6	98.9	96.7	101.5	97.3
March	89.4	98.7	98.5	92.5	100.8	97.4
April	92.4	97.1	99.9	108.5	98.8	97.6
May	92.2	100.6	95.5	98.3	96.0	97.5
June	86.6	103.2	101.6	102.2	105.4	97.7
July	82.9	101.7	99.4	101.2	101.1	97.5
August	89.6	101.2	95.0	101.7	91.1	97.2
September	91.6	98.7	99.3	100.1	100.1	97.1
October	91.2	93.2	95.9	103.0	97.8	97.2
November	94.3	91.5	102.9	113.1	107.5	96.9
December	87.7	93.7	107.3	103.0	118.1	96.7
1997 January	86.9	97.4	102.0	106.0	106.4	96.7
February	88.8	94.4	97.3	109.9	96.0	96.5
March	85.2	95.3	96.2	106.7	96.5	96.6
April	87.8	93.1	94.6	101.3	97.4	96.8
May	85.6	88.8	97.3	102.5	101.1	97.2
June	83.7	89.3	96.1	99.9	99.4	97.3
July	77.7	90.5	91.1	98.5	90.0	96.9
August	74.0	89.0	90.6	96.0	91.4	97.1
September	68.5	83.2	92.3	86.6	97.2	97.0
October	72.4	81.7	92.7	88.4	97.2	96.9
November	72.0	82.1	94.6	80.3	99.1	96.7
December	69.3	79.3	89.5	79.1	89.7	96.7
1998 January	69.0	82.3	92.2	71.7	96.3	96.5
February	65.7	82.6	93.9	73.6	104.0	96.5
March	69.9	86.0	86.7	68.4	94.4	96.4
April	70.3	80.9	88.8	65.6	103.5	96.6
May	69.6	75.2	90.4	71.2	101.8	96.4
June	63.5	72.3	96.9	76.8	110.9	96.5
July	64.6	70.2	99.9	79.0	120.4	96.5
August	65.1	78.1	99.0	74.9	121.6	96.4
September	62.9	66.4	93.3	80.4	109.7	96.5
October	62.1	67.7	89.6	74.9	104.3	96.5
November	68.0	72.4	86.5	77.2	98.0	96.2
December	63.3	70.3	91.4	79.3	106.5	96.1
1999 January	61.4	68.5	86.3	77.3	97.6	96.0
February	58.3	68.0	84.9	84.6	93.0	96.1
March	58.5	63.8	85.2	80.3	94.7	96.0
April	63.6	61.5	88.6	79.8	101.2	96.2
May	63.5	57.7	88.0	79.9	100.0	96.2
June	60.0	54.2	91.2	83.8	104.9	96.9
July	56.6	53.6	71.6	64.0	74.2	97.1
August *	58.1	50.2	82.2	77.1	90.1	96.3
September *	55.7	48.0	82.2	77.1	90.1	95.9
October *	56.6	45.2	78.4	68.5	85.6	96.6
November *	52.7	50.3	74.0	63.4	78.8	96.5

\* Subject to revision

Table 7.6  
 Producer Price Indices  
 (June 1995 = 100)

	Other Toll Service	Private Line Service	Intrastate Private Line Service	LEC Intrastate Private Line Service	Other Telephone Services	Directory Advertising	Other Telephone Services
BLS Series ID	pcu4813#29	pcu4813#3	pcu4813#31	pcu4813#311	pcu4813#9	pcu4813#91	pcu4813#99
1995 June	100.0	100.0	100.0	100.0	100.0	100.0	100.0
July	100.0	100.0	100.0	100.0	100.0	100.0	100.0
August	100.0	100.0	100.0	100.0	100.0	100.0	100.0
September	100.0	100.0	100.0	100.0	100.0	100.0	100.0
October	100.0	100.0	100.0	100.0	100.0	100.0	100.0
November	100.0	100.0	100.0	100.0	100.2	100.3	100.0
December	100.0	100.0	100.0	100.0	100.2	100.3	100.0
1996 January	100.0	100.0	100.0	100.0	100.2	100.3	100.0
February	100.0	100.0	99.9	99.9	100.2	100.3	100.0
March	100.0	100.0	99.9	99.9	100.2	100.3	100.0
April	100.0	100.4	101.1	101.2	100.2	100.3	100.0
May	100.1	100.4	101.1	101.2	100.2	100.3	100.0
June	99.8	100.4	101.1	101.2	100.2	100.3	100.0
July	100.3	100.4	101.1	101.2	100.2	100.2	100.0
August	100.9	100.4	101.1	101.2	100.2	100.3	100.0
September	100.2	100.4	101.1	101.2	100.2	100.2	100.0
October	100.2	100.3	100.8	100.9	100.4	100.5	100.0
November	100.2	100.3	100.8	100.9	100.6	100.7	100.0
December	100.2	100.3	100.8	100.9	100.6	100.7	100.0
1997 January	100.2	100.3	100.8	100.9	100.5	100.7	100.0
February	100.2	100.3	100.8	100.9	100.6	100.7	100.0
March	100.2	100.3	100.8	100.9	100.5	100.6	100.0
April	100.2	100.3	100.8	100.9	100.5	100.7	100.0
May	100.2	100.3	100.9	101.1	100.5	100.7	100.0
June	100.2	100.3	100.9	101.1	100.5	100.6	100.0
July	100.2	100.3	100.9	101.1	100.5	100.6	100.0
August	100.2	100.3	100.9	101.1	100.5	100.6	100.0
September	100.2	100.3	100.8	100.9	100.5	100.6	100.0
October	100.6	100.3	100.8	100.9	100.7	100.8	100.0
November	100.6	100.3	100.8	100.9	100.7	100.9	100.0
December	100.7	100.3	100.8	100.9	100.7	100.8	100.0
1998 January	100.5	100.3	100.8	100.9	100.7	100.8	100.0
February	101.3	100.3	100.8	100.9	100.8	100.9	100.0
March	101.0	100.3	100.8	100.9	100.7	100.9	100.0
April	101.8	100.3	100.8	100.9	100.7	100.8	100.0
May	101.8	100.3	100.8	100.9	100.7	100.8	100.0
June	101.8	100.3	100.8	100.9	100.7	100.8	100.0
July	102.0	100.3	100.8	100.9	100.7	100.8	100.0
August	101.4	100.3	100.8	100.9	100.7	100.8	100.0
September	102.3	100.3	100.8	100.9	100.6	100.8	100.0
October	102.0	100.3	100.8	100.9	100.8	101.0	100.0
November	101.8	100.3	100.8	100.9	100.8	101.0	100.0
December	102.0	100.3	100.8	100.9	100.8	101.0	100.0
1999 January	101.5	100.2	100.6	100.7	100.8	101.0	100.0
February	101.5	100.3	100.8	101.0	100.8	101.0	100.0
March	101.5	100.3	100.8	101.0	100.8	101.0	100.0
April	101.4	100.3	100.8	101.0	100.8	101.0	100.0
May	102.0	100.3	100.8	101.0	100.8	101.0	100.0
June	100.1	100.3	100.8	101.0	100.8	101.0	100.0
July	101.6	100.3	100.8	100.9	100.2	100.2	100.0
August *	101.2	100.3	100.8	100.9	100.2	100.2	100.0
September *	101.2	100.3	100.8	100.9	100.8	101.0	100.0
October *	100.9	100.3	100.8	100.9	100.7	100.9	100.0
November *	99.0	100.3	100.8	100.9	100.7	100.8	100.0

\* Subject to revision

TABLE 7.7

**CHANGES IN THE PRICE OF DIRECTLY DIALED FIVE-MINUTE LONG DISTANCE CALLS  
(AT&T basic rate schedules)**

Calling Distance (in airline miles, rate center to rate center)	Residential*			Business**			
	January 1984	July 1999	Percentage Change	January 1984	July 1999	Percentage Change	
1 - 10	Day	\$0.96	\$1.40	45.8 %	\$0.96	\$1.82	89.3 %
	Evening	0.57	0.80	40.4	0.57	1.82	218.9
	Night & Weekend	0.38	0.65	71.1	0.38	1.82	378.3
11 - 22	Day	1.28	\$1.40	9.4	1.28	1.82	42.0
	Evening	0.76	0.80	5.3	0.76	1.82	139.1
	Night & Weekend	0.51	0.65	27.5	0.51	1.82	256.4
23 - 55	Day	1.60	\$1.40	-12.5	1.60	1.82	13.6
	Evening	0.96	0.80	-16.7	0.96	1.82	89.3
	Night & Weekend	0.64	0.65	1.6	0.64	1.82	184.0
56 - 124	Day	2.05	\$1.40	-31.7	2.05	1.82	-11.3
	Evening	1.22	0.80	-34.4	1.22	1.82	49.0
	Night & Weekend	0.82	0.65	-20.7	0.82	1.82	121.6
125 - 292	Day	2.14	\$1.40	-34.6	2.14	1.82	-15.1
	Evening	1.28	0.80	-37.5	1.28	1.82	42.0
	Night & Weekend	0.85	0.65	-23.5	0.85	1.82	113.8
293 - 430	Day	2.27	\$1.40	-38.3	2.27	1.82	-19.9
	Evening	1.36	0.80	-41.2	1.36	1.82	33.6
	Night & Weekend	0.90	0.65	-27.8	0.90	1.82	101.9
431 - 925	Day	2.34	\$1.40	-40.2	2.34	1.82	-22.3
	Evening	1.40	0.80	-42.9	1.40	1.82	29.8
	Night & Weekend	0.93	0.65	-30.1	0.93	1.82	95.4
926 - 1910	Day	2.40	\$1.40	-41.7	2.40	1.82	-24.3
	Evening	1.44	0.80	-44.4	1.44	1.82	26.2
	Night & Weekend	0.96	0.65	-32.3	0.96	1.82	89.3
1911 - 3000	Day	2.70	\$1.40	-48.1	2.70	1.82	-32.7
	Evening	1.62	0.80	-50.6	1.62	1.82	12.2
	Night & Weekend	1.08	0.65	-39.8	1.08	1.82	68.3
3001 - 4250	Day	2.80	\$1.40	-50.0	2.80	1.82	-35.1
	Evening	1.68	0.80	-52.4	1.68	1.82	8.2
	Night & Weekend	1.12	0.65	-42.0	1.12	1.82	62.3
4251 - 5750	Day	2.91	\$1.40	-51.9	2.91	1.82	-37.5
	Evening	1.74	0.80	-54.0	1.74	1.82	4.5
	Night & Weekend	1.16	0.65	-44.0	1.16	1.82	56.7

Source: AT&T tariffs and Industry Analysis Division. *Reference Book of Rates, Price Indices, and Household Expenditures for Telephone Service.*

\* AT&T initiated a new rate structure for residential customers on November 8, 1997. The new rate structure eliminates mileage bands and implements weekday peak and off-peak time bands and a weekend band. The new rates are shown in the old rate structure for the purposes of comparison.

\*\* AT&T initiated a new rate structure for business customers on November 5, 1997. The rate structure eliminates mileage, time-of-day, and day-of-week bands. The new rates are shown in the old rate structure for the purposes of comparison.

**TABLE 7.8**  
**AVERAGE REVENUE PER MINUTE**

	AT&T		All Carriers **	
	All Interstate and International Switched Services *	All Interstate and International Switched Services	International Switched Services ***	All Interstate Switched Services
1984	32 ¢			
1985	31			
1986	28			
1987	25			
1988	23			
1989	22			
1990	20			
1991	20			
1992	19	19 ¢	102 ¢	15 ¢
1993	19	19	101	15
1994	18	18	94	13
1995	N/A	17	90	12
1996	N/A	16	77	12
1997	N/A	15	71	11
1998	N/A	14	58 ****	11

Data for some prior years have been revised.

\* Source: AT&T.

\*\* Source: Industry Analysis Division, *Telecommunications Industry Revenue*.

\*\*\* Billed revenue per minute for international service differs in Table 7.1 and Table 14.5. Data in Table 7.1 is based on revenue billed by underlying carriers. Data for Table 14.5 is based on staff estimates of end user revenue.

\*\*\*\* Preliminary data.

**TABLE 7.9**  
**AVERAGE REVENUE PER MINUTE**

	Average Revenue per Minute for Interstate and International Calls *	AT&T Charge per Minute for a 10-Minute Day Rate 200-Mile Call (Basic Rates)	Consumer Price Index: All Goods and Services	Restated in 1998 Dollars	
				Revenue per Minute	200-Mile Call Charge per Minute
1930	27 ¢	35 ¢	16.7	\$2.68	\$3.42
1931	27	35	15.2	2.89	3.75
1932	26	35	13.7	3.12	4.16
1933	28	35	13.0	3.45	4.39
1934	27	35	13.4	3.31	4.26
1935	27	35	13.7	3.16	4.16
1936	25	35	13.9	2.95	4.10
1937	22	35	14.4	2.45	3.96
1938	21	26	14.1	2.48	2.95
1939	22	26	13.9	2.53	2.99
1940	21	26	14.0	2.45	2.97
1941	21	26	14.7	2.30	2.83
1942	22	26	16.3	2.16	2.55
1943	21	22	17.3	1.98	2.07
1944	22	22	17.6	1.99	2.04
1945	21	22	18.0	1.92	1.99
1946	20	22	19.5	1.65	1.84
1947	19	22	22.3	1.40	1.61
1948	19	22	24.1	1.26	1.49
1949	19	22	23.8	1.29	1.51
1950	19	22	24.1	1.31	1.49
1951	20	22	26.0	1.26	1.38
1952	20	22	26.5	1.24	1.35
1953	21	22	26.7	1.27	1.34
1954	22	22	26.9	1.35	1.33
1955	23	22	26.8	1.40	1.34
1956	23	22	27.2	1.40	1.32
1957	24	22	28.1	1.38	1.28
1958	24	22	28.9	1.35	1.24
1959	24	22	29.1	1.35	1.23
1960	24	22	29.6	1.33	1.21
1961	25	22	29.9	1.36	1.20
1962	25	22	30.2	1.36	1.19
1963	25	22	30.6	1.32	1.17
1964	25	22	31.0	1.31	1.16
1965	24	22	31.5	1.24	1.14
1966	24	22	32.4	1.22	1.11
1967	24	22	33.4	1.18	1.07
1968	24	22	34.8	1.11	1.03
1969	24	22	36.7	1.07	0.98

Estimates for 1930 through 1981 are based on information in AT&T *Long Lines Statistics*, 1930-1963; 1946-1970, and 1960-1981 and appear to represent data for the conterminous U.S. only. Data prior to 1946 may not be comparable. Data for 1982 and 1983 were estimated using BLS price index changes. Data for 1984 through 1991 were supplied by AT&T. Starting with 1992, data are from Industry Analysis Division, *Telecommunications Industry Revenue*.

**TABLE 7.9**  
**AVERAGE REVENUE PER MINUTE**  
**(Continued)**

	Average Revenue per Minute for Interstate and International Calls *	AT&T Charge per Minute for a 10-Minute Day Rate 200-Mile Call (Basic Rates)	Consumer Price Index: All Goods and Services	Restated in 1998 Dollars	
				Revenue per Minute	200-Mile Call Charge per Minute
1970	23 ¢	22 ¢	38.8	0.97	0.90
1971	25	21	40.5	0.99	0.85
1972	24	23	41.8	0.95	0.91
1973	25	23	44.4	0.93	0.86
1974	26	25	49.3	0.85	0.82
1975	27	25	53.8	0.83	0.75
1976	29	32	56.9	0.82	0.90
1977	28	33	60.6	0.77	0.87
1978	29	33	65.2	0.72	0.84
1979	29	33	72.6	0.65	0.75
1980	30	33	82.4	0.59	0.66
1981	33	35	90.9	0.59	0.63
1982	34	41	96.5	0.58	0.69
1983	35	41	99.6	0.57	0.67
1984	32	41	103.9	0.51	0.64
1985	31	39	107.6	0.47	0.59
1986	28	31	109.6	0.42	0.47
1987	25	27	113.6	0.35	0.38
1988	23	25	118.3	0.32	0.34
1989	22	23	124.0	0.29	0.31
1990	20	22	130.7	0.25	0.27
1991	20	21	136.2	0.24	0.25
1992	19	21	140.3	0.22	0.24
1993	19	22	144.5	0.22	0.25
1994	18	24	148.2	0.20	0.26
1995	17	27	152.4	0.18	0.29
1996	16	28	156.9	0.17	0.29
1997	15	29	160.5	0.15	0.29
1998	14	28	163.0	0.14	0.28

\* Estimates for 1930 through 1981 are based on information in AT&T *Long Lines Statistics, 1930-1963; 1946-1970, and 1960-1981* and appear to represent data for the conterminous U.S. only. Data prior to 1946 may not be comparable. Data for 1982 and 1983 were estimated using BLS price index changes. Data for 1984 through 1991 were supplied by AT&T. Starting with 1992, data are from Industry Analysis Division, *Telecommunications Industry Revenue*.

**TABLE 7.10**

**INTERSTATE PER-LINE ACCESS CHARGES**  
(NATIONAL AVERAGE PER MONTH PER LINE) \*

Rates in Effect		Charged to End Users ** (Subscriber Line Charges)			Charged to Long Distance Carriers *** (Presubscribed Interexchange Carrier Charges)			
From	To	Residential and Single-Line Business	Non-Primary Residential	Multiline Business and Centrex	Residential and Single-Line Business	Non-Primary Residential	Multiline Business	Centrex
05/26/84	05/31/85	\$0.00		\$4.99				
06/01/85	09/30/85	1.00		4.99				
10/01/85	05/31/86	1.00		4.97				
06/01/86	12/31/86	2.00		4.97				
01/01/87	06/30/87	2.00		5.12				
07/01/87	12/31/87	2.60		5.12				
01/01/88	11/30/88	2.60		5.01				
12/01/88	03/31/89	3.20		5.01				
04/01/89	12/31/89	3.50		4.94				
01/01/90	06/30/90	3.48		4.84				
07/01/90	12/31/90	3.48		4.83				
01/01/91	06/30/91	3.48		4.77				
07/01/91	11/27/91	3.49		4.74				
11/28/91	06/30/92	3.49		4.76				
07/01/92	06/30/93	3.49		4.68				
07/01/93	06/30/94	3.50		5.37				
07/01/94	06/30/95	3.50		5.45				
07/01/95	06/30/96	3.50		5.50				
07/01/96	06/30/97	3.50		5.53				
07/01/97	12/31/97	3.50		5.68				
01/01/98	06/30/98	3.50	\$4.98	6.92	\$0.49	\$1.50	\$2.52	\$0.35
07/01/98	12/31/98	3.50	4.99	7.11	0.49	1.38	2.38	0.38
01/01/99	06/30/99	3.50	5.88	7.05	0.49	1.38	2.22	0.32
07/01/99	12/31/99	3.50	5.84	6.94	0.95	1.77	2.78	0.42

Source: Industry Analysis Division, *Trends in Telephone Service* and access tariff filings.

\* This table shows average rates (weighted by access lines) for all local exchange carriers (LECs) that file access tariffs subject to price-cap regulation and all LECs in the National Exchange Carrier Association (NECA) pool.

\*\* Prior to 1/01/98 carriers did not charge separate subscriber line charge (SLC) rates for primary and non-primary residential lines. Therefore, the residential and single-line business average SLCs reported prior to 1/01/98 include all residential SLC charges. The average residential and single-line business SLC rate as of 1/01/98 excludes non-primary residential SLC charges. Non-primary SLC charges are now reported separately, except for the LECs in the NECA pool, which continue to charge a single residential SLC. Under price-cap regulation, as of July 1, 1999, the caps on SLCs for primary residential and single-line business, non-primary residential, and multiline business and Centrex lines equal \$3.50, \$6.07, and \$9.20, respectively. For NECA pool companies, the residential SLC cap is \$3.50, while the multiline business and Centrex SLC cap equals \$6.00.

\*\*\* On 1/01/98 price-cap carriers began to charge presubscribed interexchange carrier charges (PICCs). The reported PICCs are averages per line including both price-cap and NECA pool lines. While carriers do not charge different rates for Centrex and multiline business SLCs, they do charge different PCCC rates for these lines. Therefore, the average multiline business and Centrex PCCC rates are reported separately. However, multiline business line counts, used to compute average PCCC rates, include Centrex lines for LECs in the NECA pool, which do not charge PICCs or distinguish in access filings between the two line types. Under price-cap regulation, as of July 1, 1999, the caps on PICCs for primary residential and single-line business, non-primary residential, and multiline business lines equal \$1.04, \$2.53, and \$4.31, respectively. Centrex PCCC caps are determined by level of service.

TABLE 7.11

**INTERSTATE PER-MINUTE ACCESS CHARGES**  
(NATIONAL AVERAGE IN CENTS PER MINUTE) \*

Rates in Effect		Interstate Charges for Switched Access Service				Total Charge per Conversation Minute ***
From	To	Carrier Common Line per Originating Access Minute*	Carrier Common Line per Terminating Access Minute*	Traffic Sensitive per Switched Minute	Non-Traffic Sensitive per Switched Minute**	
05/26/84	01/14/85	5.24 ¢	5.24 ¢	3.10 ¢		17.26 ¢
01/15/85	05/31/85	5.43	5.43	3.10		17.66
06/01/85	09/30/85	4.71	4.71	3.10		16.17
10/01/85	05/31/86	4.33	4.33	3.10		15.38
06/01/86	12/31/86	3.04	4.33	3.10		14.00
01/01/87	06/30/87	1.55	4.33	3.10		12.41
07/01/87	12/31/87	0.69	4.33	3.10		11.49
01/01/88	11/30/88	0.00	4.14	3.10		10.56
12/01/88	02/14/89	0.00	3.39	3.00		9.60
02/15/89	03/31/89	0.00	3.25	3.00		9.46
04/01/89	12/31/89	1.00	1.83	3.00		9.11
01/01/90	06/30/90	1.00	1.53	2.50		7.78
07/01/90	12/31/90	1.00	1.23	2.50		7.48
01/01/91	06/30/91	1.00	1.14	2.40		7.18
07/01/91	06/30/92	0.88	1.06	2.40		6.97
07/01/92	06/30/93	0.79	0.95	2.40		6.76
07/01/93	06/30/94	0.88	1.16	2.20		6.66
07/01/94	06/30/95	0.84	1.08	2.10	0.28 ¢	6.89
07/01/95	06/30/96	0.74	0.89	1.96	0.21	6.16
07/01/96	06/30/97	0.72	0.89	1.95	0.17	6.04
07/01/97	12/31/97	0.64	0.84	1.63	0.14	5.18
01/01/98	06/30/98	0.68	0.23	1.29	0.21	4.04
07/01/98	12/31/98	0.91	0.20	0.99	0.30	3.82
01/01/99	06/30/99	0.82	0.16	0.98	0.32	3.71
07/01/99	12/31/99	0.37	0.10	0.86	0.28	2.82

Source: Industry Analysis Division, *Trends in Telephone Service* and access tariff filings.

\* This table shows average rates (weighted by minutes of use) for all local exchange carriers (LECs) that file access tariffs subject to price-cap regulation and all LECs in the National Exchange Carrier Association (NECA) pool. These average rates are calculated differently from those published prior to the July 1998, *Trends in Telephone Service*. In the January 1998 version, the average rates included the average revenue per minute from primary interexchange carrier charges (PICCs). This table no longer includes the PICC charge. Instead, the PICC charge per line is reported in Table 1.1.

\*\* Non-traffic sensitive charges include charges assessed on a per-month per-unit basis, but exclude primary interexchange carrier charges (PICCs). Prior to 07/01/94 these charges were included in the average traffic-sensitive rates.

\*\*\* The total charge per conversation minute consists of charges on the originating end of the call, which are adjusted for dialing and call setup time, plus charges on the terminating end. Originating charges per conversation minute equal the carrier common line charge per originating access minute plus the traffic-sensitive charge per switched minute, both multiplied by 1.07 to account for dialing and call setup time, plus the non-traffic-sensitive charge per switched minute. Terminating charges per conversation minute equal carrier common line charges per terminating access minute plus both traffic-sensitive and non-traffic-sensitive charges per switched minute.

**TABLE 7.12**

**INTERSTATE PER-LINE ACCESS CHARGES BY CARRIER  
(IN DOLLARS PER MONTH PER LINE)\***

Rates Effective From 07/01/98 To 12/31/98											
Company	Subscriber Line Charges**			Presubscribed Interexchange Carrier Charges***				1998 Average Monthly Access Lines**** (Thousands)			
	Residential and Single-Line Business	Non-Primary Residential	Multiline Business and Centrex	Residential and Single-Line Business	Non-Primary Residential	Multiline Business	Centrex	Residential and Single-Line Business	Non-Primary Residential	Multiline Business	Centrex
Ameritech	\$3.50	\$5.42	\$5.41	\$1.04	\$1.50	\$1.78	\$0.24	11,624	1,743	4,379	2,600
Bell Atlantic	3.50	5.99	7.10	1.04	2.53	4.28	0.56	22,742	4,100	7,888	4,175
BellSouth	3.50	6.07	7.90	1.04	2.53	4.31	0.47	14,567	2,179	5,248	1,396
Pacific Telesis	3.50	5.27	5.29	1.01	0.03	0.04	0.01	8,692	2,708	4,639	1,837
SBC	3.50	6.07	7.34	1.04	0.57	0.57	0.07	9,115	1,801	3,891	677
U S WEST	3.50	6.07	7.86	1.04	2.53	4.20	0.64	10,232	1,539	4,014	888
RBOCs	3.50	5.81	6.78	1.04	1.67	2.77	0.37	76,972	14,071	30,059	11,573
Aliant	3.50	6.07	6.77	1.04	1.13	1.13	0.35	182	18	47	30
Cincinnati Bell	3.50	6.07	6.30	1.04	2.09	2.09	0.23	645	78	213	72
Citizens	3.50	5.99	9.09	1.04	2.37	4.20	1.05	709	41	121	53
Frontier	3.50	5.57	5.88	1.04	1.52	1.95	0.31	648	70	171	81
GTE	3.50	6.07	8.62	1.04	2.53	4.31	0.82	12,294	1,415	3,219	1,207
SNET	3.50	6.07	8.02	1.04	2.38	2.38	0.51	1,421	134	198	379
Sprint Local	3.50	5.84	7.42	1.01	2.05	3.78	0.52	5,018	618	1,238	451
Independent Price Caps	3.50	6.00	8.09	1.03	2.34	3.91	0.67	20,918	2,378	5,206	2,273
All Price Caps	3.50	5.84	6.98	1.04	1.77	2.94	0.42	97,890	16,444	35,265	13,846
NECA	3.50	N/A	5.95	0.00	N/A	0.00	N/A	9,287	N/A	2,104	N/A
All Price Caps And NECA	\$3.50	\$5.84	\$6.94	\$0.95	\$1.77	\$2.78	\$0.42	107,177	16,444	37,369	13,846

Source: Access tariff filings.

\* Rates are average rates (weighted by access lines) for all local exchange carriers (LECs) that file access tariffs subject to price-cap regulation and all LECs in the National Exchange Carrier Association (NECA) pool. Rates are composites of all regions and subsidiaries of each local exchange carrier. No information is available for those carriers that are not in the NECA pool, but are subject to rate-of-return regulation.

\*\* On 01/01/98 carriers began charging separate subscriber line charge (SLC) rates for primary and non-primary residential lines. Therefore, the average residential and single-line business SLC rate now excludes non-primary residential SLC charges. Non-primary SLC charges are now reported separately, except for LECs in the NECA pool, which continue to charge a single residential SLC.

\*\*\* On 01/01/98 price-cap carriers began to charge presubscribed interexchange carrier charges (PICCs). While carriers do not charge different rates for Centrex and multiline business SLCs, they do charge different PICC rates for these lines. Therefore, the average multiline business and Centrex PICC rates are reported separately. However, multiline business counts, used to compute average PICC rates, include Centrex lines for LECs in the NECA pool, which do not charge PICCs or distinguish in access filings between the two line types.

\*\*\*\* Access line counts measure lines that companies report as qualified to receive subscriber line charges. ISDN-BRI lines, which are charged non-primary residential SLC and PICC rates, are included in the non-primary residential line counts. ISDN-PRI lines, which are charged rates equal to five times the multiline business SLC and PICC rates, are multiplied by five and added to multiline business counts.

**TABLE 7.13**

**INTERSTATE PER-MINUTE ACCESS CHARGES BY CARRIER  
(IN CENTS PER MINUTE) \***

Company	Rates Effective From 07/01/99 To 12/31/99					1998 Minutes of Use (Millions)		
	Carrier Common Line per Originating Access Minute	Carrier Common Line per Terminating Access Minute	Switched Traffic Sensitive per Access Minute	Switched Non-Traffic Sensitive per Access Minute**	Total Charge per Conversation Minute***	CCL Originating	CCL Terminating	Local Switching
	Ameritech	0.00 ¢	0.00 ¢	0.74 ¢	0.26 ¢	2.05 ¢	19,937	33,535
Bell Atlantic	0.00	0.00	0.73	0.22	1.95	42,099	88,757	131,834
BellSouth	0.37	0.00	0.71	0.32	2.50	29,093	48,484	78,056
Pacific Telesis	0.00	0.00	0.64	0.55	2.42	14,055	28,845	42,900
SBC	0.00	0.00	0.83	0.28	2.28	15,419	28,608	44,438
U S WEST	0.00	0.00	0.72	0.24	1.97	20,659	38,380	59,227
RBOCs	0.08	0.00	0.73	0.29	2.16	141,261	266,608	410,916
Aliant	0.00	0.00	1.34	0.32	3.41	248	512	764
Cincinnati Bell	0.00	0.00	0.70	0.17	1.79	1,077	2,031	3,110
Citizens	2.43	0.74	1.67	0.86	8.52	1,252	1,318	2,572
Frontier	1.04	0.01	1.11	0.46	4.34	757	1,723	2,483
GTE	1.86	0.34	0.91	0.24	4.70	18,636	31,256	51,990
SNET	0.00	0.00	1.17	0.29	3.00	3,323	5,259	8,624
Sprint Local	0.83	0.08	1.01	0.21	3.48	8,444	13,871	22,420
Independent Price Caps	1.35	0.23	0.98	0.26	4.22	33,737	55,970	91,963
All Price Caps	0.32	0.04	0.77	0.28	2.55	174,998	322,578	502,879
NECA	1.00	1.33	3.66	0.17	10.31	12,885	14,715	14,782
All Price Caps And NECA	0.37	0.10	0.86	0.28	2.82	187,883	337,293	517,661

Source: Access tariff filings. Minutes of use for Pacific Telesis are from ARMIS 43-01.

\* Rates are average rates (weighted by minutes of use) for all local exchange carriers (LECs) that file access tariffs subject to price-cap regulation and all LECs in the National Exchange Carrier Association (NECA) pool. Rates are composites of all regions and subsidiaries of each local exchange carrier. No information is available for carriers that are not in the NECA pool, but are subject to rate-of-return regulation. These average rates are calculated differently from those published prior to the July 1998 *Trends in Telephone Service*. In the January 1998 version, average rates included the average revenue per minute from primary interexchange carrier charges (PICCs). This table no longer includes the PICC charge, instead the PICC charge per line is reported in Table 1.3.

\*\* Non-traffic sensitive charges include charges assessed on a per-month per-unit basis, but exclude primary interexchange carrier charges (PICCs).

\*\*\* The total charge per conversation minute consists of charges on the originating end of the call, which are adjusted for dialing and call setup time, plus charges on the terminating end. Originating charges per conversation minute equal the carrier common line charge per originating access minute plus the traffic-sensitive charge per switched minute, both multiplied by 1.07 to account for dialing and call setup time, plus the non-traffic-sensitive charge per switched minute. Terminating charges per conversation minute equal carrier common line charges per terminating access minute plus both traffic-sensitive and non-traffic-sensitive charges per switched minute.