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FOR IMMEDIATE RELEASE May 25, 2005

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FCC Releases Reference Book

Washington, D.C. – Today, the Federal Communications Commission (FCC) released its annual report, *Reference Book of Rates, Price Indices, and Household Expenditures for Telephone Service.* The report contains information on local and long distance rates paid by residential and business consumers, household expenditures, and price indices. Highlights include the following:

Toll Service Rates

- During 2004, the consumer price index for interstate toll service fell 8.7% and the consumer price index for intrastate toll service fell 6.6%, while the overall consumer price index rose 3.3%.
- The average revenue per minute of long distance calling, which reflects rates paid by residential and business consumers, has fallen from 15 cents in 1992, when discount and promotional long distance plans were introduced, to 7 cents in 2003, a decrease of 53%.

Rates for Local Service

- The average rate paid by residential customers for unlimited touch-tone calling was \$24.31 in 2004, compared to \$24.52 in 2003, a decrease of 0.9%. Connection charges for residential customers rose from \$42.54 to \$42.59 during the same period, an increase of 0.1%.
- The Lifeline universal service program subsidizes the monthly phone charges for lowincome households, while the Link-Up program subsidizes charges for the connection of a phone line. Based on a sample of cities, Lifeline conferred an average monthly benefit of \$13.82, and Link-Up conferred an average benefit of \$28.51.
- The average rate paid by business customers for a single phone line was \$43.75 in 2004, compared to \$41.96 in 2003, an increase of 4.3%. Connection charges for single-line business customers fell from \$74.18 in 2003 to \$74.17 in 2004, a decrease of 0.01%.

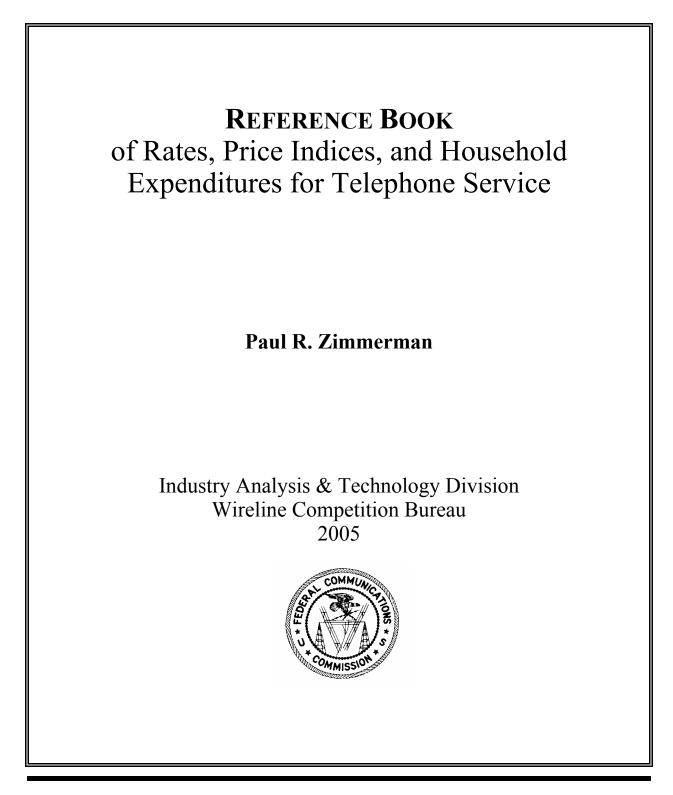
Consumer Expenditures for Telephone Service

- According to Bureau of Labor Statistics (BLS) surveys, telephone service continues to comprise approximately 2% of household expenditures. Monthly expenditures for telephone service by households with telephone service fell from \$79.75 in 2002 to \$79.67 in 2003, a decrease of 0.1%.
- Also, according to BLS surveys, urban households continue to spend more on telephone service than rural households. During 2003, annual expenditures for urban households were \$967, as compared to \$875 for rural households.
- According to data for the year 2003 provided by TNS Telecoms, households annually spent \$441 on local service (compared to \$436 in 2002), \$122 on long distance service (compared to \$149 in 2002), and \$492 on wireless service (compared to \$417 in 2002), for a total annual expenditure of \$1,055 on telephone services (compared to \$1,001 in 2002).

This report is available for reference in the FCC's Reference Information Center, Courtyard Level, 445 12th Street, S.W., Washington, DC 20554. Copies may be purchased by calling Best Copy and Printing, Inc., Portals II, 445 12th Street S.W., Room CY-B402, Washington, DC 20554, (202) 488-5300, or by e-mail at <u>fcc@bcpiweb.com</u>. The report can be downloaded from the **FCC-State Link** Internet site at <u>www.fcc.gov/wcb/stats</u>.

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For further information, contact Paul Zimmerman of the Industry Analysis and Technology Division, Wireline Competition Bureau, at (202) 418-0940, or for users of TTY equipment, call 202-418-0484.



This report is available for reference in the FCC's Reference Information Center, Courtyard Level, 445 12th Street S.W., Washington, D.C. 20554. Copies may be purchased by calling Best Copy and Printing, Inc., Portals II, 445 12th Street S.W., Room CY-B402, Washington, D.C. 20554, telephone 202-488-5300, or via e-mail at <u>fcc@bcpiweb.com</u>. The report can also be downloaded from the **FCC-State Link** Internet site <u>www.fcc.gov/wcb/stats</u>.

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Introduction

This 2005 issue of the *Reference Book* highlights the data collected through the Industry Analysis and Technology Division's annual *Urban Rates Survey*. The local rate data compiled for 2003 and 2004 reflect the inclusion of various taxes and surcharges and, as such, provide an estimate of the monthly charges residential and single-line business customers pay for local telephone service provided by wireline telephone companies. Local rates pertaining to multiline-business customers are no longer reported. Like the previous edition of the *Reference Book* (2004), this issue primarily focuses on trends in rates, price indices, and expenditures for telephone service. As before, each chapter has a section following the text which informs the reader about the various additional data sources that contain further information on these topics. This report, and previous reports, are also available on the **FCC-State Link** at <u>www.fcc.gov/wcb/stats</u>.

This publication focuses on domestic telecommunications. Those interested in international telecommunications are encouraged to refer to *Trends in the International Telecommunications Industry*, which is also available on the **FCC-State Link** Internet site.

Statistical Findings

Rates for Local Service

• The average rate paid by residential customers for unlimited touch-tone calling fell to \$24.31 in 2004, a decrease of 0.9% from \$24.52 in 2003. Connection charges for residential customers rose from \$42.54 to \$42.59 during the same period, an increase of 0.1%.

• Lifeline subsidizes the monthly phone charges for low-income households, while LinkUp subsidizes charges for the connection of a phone line. Based on a sample of cities, Lifeline conferred an average monthly benefit of \$13.82, and Link-Up conferred an average benefit of \$28.51.

• The average rate paid by business customers for a single phone line rose from \$41.96 in 2003 to \$43.75 in 2004, an increase of 4.3%. Connection charges for single-line business customers fell from \$74.18 in 2003 to \$74.17 in 2004, a decrease of 0.01%.

Toll Service Rates

• The increased availability and marketing of discount and promotional long distance plans, as well as the popularity of wireless "bucket-of-minutes" plans, has made basic schedule rates obsolete for many long distance customers, particularly business customers and high volume residential consumers. Today wireline, wireless, and cable companies are offering consumers bundled packages of local and long distance service, and buckets of minutes that can be used to call anyone, anywhere, and anytime.

• The average revenue per minute of long distance calling, which reflects rates paid by residential and business consumers, has fallen from 15 cents in 1992, when discount and promotional long distance plans were introduced, to 7 cents in 2003, a decrease of 53%.

• During 2004, the consumer price index for interstate toll service fell 8.7% and the consumer price index for intrastate toll service fell 6.6%, while the overall consumer price index rose 3.3%.

Consumer Expenditures for Telephone Service

• According to Bureau of Labor Statistics (BLS) surveys, monthly expenditures for telephone service by households with telephone service fell from \$79.75 in 2002 to \$79.67 in 2003, a decrease of 0.1%. Telephone service continues to comprise approximately 2% of household expenditures.

• Also, according to BLS surveys, urban households continue to spend more on telephone service than rural households. During 2003, annual expenditures for urban households were \$967, as compared to \$875 for rural households.

• According to data provided by TNS Telecoms, a marketing research firm, households spent a total of \$1,055 on telephone services during the year 2003: \$441 on local service; \$122 on long distance service; and \$492 on wireless service.

I. Rates

This section focuses on rates for local telephone service provided by wireline telephone companies. The billing structure for local telephone service can be broadly classified as either flat-rate or message/measured service. Customers subscribing to flat-rate service do not pay any additional fees for calls within their local calling area, regardless of the number of calls they place. Alternatively, customers subscribing to message or measured service pay an additional charge for calls made within the local calling area. Message service denotes those plans which bill customers by the call, regardless of the length of the call, while measured service plans bill customers based upon the length of the call. Either plan may also base charges on the distance between the calling and called party. Under either message or measured service, some amount of calling may be included in the monthly basic charge and therefore be made without additional cost to the customer.

In addition to monthly charges for basic service and calling charges, customers pay a number of other charges for telephone service. The federal subscriber line charge is a line item that local exchange carriers are authorized to charge to recover a portion of the interstate costs of providing local phone service. Some states, such as Michigan, authorize local carriers to charge a state subscriber line charge. In some areas there are additional surcharges that the state telephone regulatory authority has authorized the carrier to charge customers. These surcharges are generally associated with price-cap plans and other regulatory matters that either limit the carrier's local service revenue to reasonable levels, or ensure that the carrier is fully compensated for the cost of providing service. In some states, most notably California, the surcharges change annually and can either add or subtract to the local rates of customers. Charges to fund local number portability, telecommunications relay services, and 911 services also appear on telephone bills in many parts of the country.

The local rate averages presented in this report include subscriber line charges and local number portability surcharges that are tariffed at the FCC. Revenues from these charges are classified as interstate and therefore are included in incumbent local exchange carrier (ILEC) universal service contribution bases. Prior to July 2000, the ILECs recovered the cost of universal service contributions through per-minute interstate access charges. In July 2000 the ILECs began recovering this cost through pass-through charges levied on local exchange service customers. These pass-through charges also are included in our calculations of the base rate for local service.

State, county, and municipal governments levy a number of charges on telephone service. These charges range from standard sales taxes to the 3 percent federal excise tax on telephone service, the latter of which is levied on all monthly service charges except for connection charges or state and municipal taxes appearing as separate line items on consumers' bills.

For local service, posted rates provide an accurate picture of prices paid by end users. However, the long distance market features a variety of rates for identical or similar services. Residential consumers may choose from a wide variety of distinct discount plans, and many businesses enter into contracts with long distance carriers rather than purchasing service at the posted rates. Consequently, basic rates do not necessarily reflect the prices that residential and business consumers actually pay for long distance services. In fact, the vast majority of customers employ discount long distance calling plans and do not pay the basic schedule rate.¹ Numerous ILECs, competitive local exchange carriers (CLECs), and interexchange carriers (IXCs) are now offering bundled packages of local and long-distance voice services, many at discounted rates. In addition, many wireless providers offer packages that include a set number of minutes that may be used for local or long-distance calls.

A. Local Service Rates

The Industry Analysis and Technology Division of the Wireline Competition Bureau conducts an annual survey of ILEC local telephone service rates in 95 urban areas of the United States.² The cities surveyed are those that were included in the BLS Consumer Price Index (CPI) in 1986. In constructing averages and medians, the sample weights derived by the BLS are used. In addition to collecting information on monthly rates for service, the *Urban Rates Survey* collects information on charges paid to have a phone connected to the network and the price of optional inside wire maintenance plans offered by many local exchange carriers.

1. Residential Rates

Table 1.1 presents the national average rates for residential telephone service as of October 15, 2004. The average rate for flat-rate calling with touch-tone service in the 95 cities in the sample was \$24.31. Measured or message service was \$16.62, with an average additional charge of 8 cents for a 5-minute, same-zone, business-day call.

The charge to have a single residential line connected averaged \$42.59 on October 15, 2004. If telephone service is being installed for the first time at a residence, a drop line from the nearest telephone cable must be run to the building and a connection block (network interface device) must be installed. In twenty-seven of the sample cities, an additional charge is levied for this work. The nationwide average connection charge would be \$12.45 higher if these charges were included.

In some areas of the country, only one type of service is offered, either flat-rate or measured/message service, and consumers do not have a choice. In order to calculate a national average based upon all of the sample cities, we calculate a "representative rate." The representative rate is the flat-rate service charge in those areas where this type of service

¹ Bureau of Labor Statistics (BLS) price indices, presented in Section III, provide an alternative measure of long distance prices.

 $^{^2}$ In 2003, the form used to conduct the *Urban Rates Survey* was revised. Specifically, a more detailed breakout of carriers' surcharges and taxes now appear as separate line items on the survey instrument. The residential and business survey instruments are included in the attached Appendix. In addition, all carriers are now required to submit all line-item data in terms of dollar amounts, whereas before some line items were reported as percentages. These changes to the survey form allow for more accurate estimates of the total monthly recurring costs for basic local residential and single-line business service. Note that all estimates for 2002 and beyond reflect usage of the revised survey form, estimates for years 2001 and prior reflect those obtained from the previous survey instrument.

was available.³ Table 1.2 presents the national average representative rates from 1986 to 2004. During this nineteen-year period, the average representative rate for residential local service has gone from \$17.70 to \$24.31, and average connection charges have dropped from \$49.25 to \$42.59.

Table 1.3 provides the rates in each of the 95 cities in the *Urban Rates Survey* as of October 15, 2004. Tables 1.4 and 1.5 provide historical rates for each of the sample cities.

2. Rates for Low-Income Households

Tables 1.1 through 1.5 show the local rates that are available to all customers. Many states, in addition to federal programs, subsidize low-income households' monthly service charges and connection fees. Most of these subsidy programs are part of the FCC's Lifeline and Link-Up programs. The goal of the Lifeline and Link-Up programs is to help achieve universal service by enabling lower-income households to obtain telephone service. Lifeline subsidizes lower-income households' monthly service charges, while Link-Up subsidizes lower-income households' connection charges. In 2004, qualifying households in all of the 95 surveyed cities received Lifeline and Link-Up benefits. Table 1.6 shows the average Lifeline and Link-Up rates in those cities and compares the subsidized rates to the standard rates. In 2004, low-income households on the Lifeline program paid \$10.49 per month for local service, as compared to \$24.31 paid by residential subscribers not on the Lifeline program, for an average saving of \$13.82 per month. Low-income households receiving Link-Up assistance paid \$14.08 for connection charges, as compared to \$42.59 paid by residential subscribers not receiving Link-Up assistance for an average Link-Up benefit of \$28.51.

Table 1.7 presents the Lifeline and Link-Up rates, as well as the standard rates, in the sample cities as of October 15, 2004.

3. Business Rates

The Urban Rates Survey also collects information on charges for single-line business service. Beginning with the 2003 Urban Rates Survey, data pertaining to charges for multi-line business services (key systems and private branch exchanges) are no longer collected.

Table 1.8 presents the average monthly rates for flat-rate and measured/message service paid by a business with a single telephone line, as well as the connection charges a business could expect to pay. Table 1.9 calculates the "representative rate," and shows the trend in rates since 1989. Rates for single-line businesses have followed trends similar to those seen with residential rates. Rates have stayed relatively constant, moving with changes in the federal subscriber line charge, which was capped at \$6.50 at the time of the latest survey. Tables 1.10 through 1.12 present current and historical rates for the sample cities.

³ If flat-rate service was unavailable, the rate for measured/message service was used, along with the charges associated with placing 100 five-minute, same-zone, business-day calls. As of October 15, 2001, flat-rate local residential service was available in all 95 cities, so that approximating the cost of measured/message service with 100 five-minute, same-zone business day calls was unnecessary.

B. Standard Deviation Analysis of Residential Rates

In October 2003, the Federal Communications Commission adopted a recommendation by the Federal-State Joint Board on Universal Service establishing an annual adjusted nationwide urban rate benchmark for purposes of determining universal service support for non-rural carriers. This benchmark is used by the states and the Commission as a tool to assess the reasonable comparability of rates in rural and high-cost areas served by non-rural carriers to nationwide urban rates.⁴ The urban rate benchmark adopted by the Commission is based upon the most recent average urban residential rate as shown in Table 1.1.

Because of the great variation in urban rates nationwide, the Commission adopted a "standard deviation analysis" which measures the dispersion of urban rates from the average. As such, an urban rate benchmark level of two (weighted) standard deviations above the (weighted) average urban rate is used. Table 1.13 presents the results of such a standard deviation analysis for the residential rates reported in the *Urban Rates Survey* as of October 15, 2004. The average, plus the two standard deviation benchmark, is \$34.21. Table 1.14 shows the historical trend in the standard deviation analysis for the years 1993-2004. Over this period the average, plus the two standard deviation benchmark, rose by 20.4%.

C. Toll Service Rates

Since 1992, carriers have introduced an impressive array of discount and promotional plans, and many long distance residential customers subscribe to these plans. These plans take a variety of formats. Some plans offer a block of calling time for a fixed fee and reduced per minute rates for additional calling while others give volume discounts or discounts for calls to certain phone numbers or area codes. One common trend has been the introduction of flat-rate calling plans, which eliminate the mileage bands associated with traditional basic schedules. For example, Verizon's "Freedom" plan offers unlimited long-distance and local calling (as well as unlimited voice mail, caller ID, call waiting, speed dialing, and three-way calling) for as low as \$49.95 per month (not including add-on charges). In addition, Verizon offers discounts on its high-speed Internet and wireless offerings to those subscribers who sign up for the "Freedom" plan.

Section 271 of the Telecommunications Act of 1996 allowed the Regional Bell Operating Companies (RBOCs) to provide in-region interLATA toll services once the companies satisfied a fourteen-point "checklist" of conditions which demonstrates that

⁴ See Federal-State Joint Board on Universal Service, CC. Docket No. 96-45, Order on Remand, Further Notice of Proposed Rulemaking, and Memorandum Opinion and Order, 18 FCC Rcd 22559, 22607-22610, paras. 80-82 (2003), *remanded, Qwest Communications Int'l, Inc. v. FCC*, Nos. 03-9617, 04-9518, 04-9519, 2005 WL 41969 (10th Cir. Feb. 23, 2005).

their local exchange markets are open to entry by competitive local exchange carriers. All of the RBOCs attained section 271 approvals for their particular markets, and many are now offering discounted bundled packages of voice and popular calling features.

Wireless companies and prepaid calling cards offer more options for longdistance consumers. Wireless companies now offer packages which enable customers to purchase a set number of minutes of usage per month at a set rate (some with unlimited nights and weekends) and allow customers to use these minutes for local or long distance calling. Consumers may also purchase prepaid calling cards, which contain an allotted number of minutes, with some charging rates less than three cents per minute.

Using revenue per-minute data for both residential and business interstate toll traffic, Table 1.15 illustrates the downward trend in long distance rates since discount long distance plans were introduced in 1992. The carriers' average revenue per interstate toll minute has fallen by 53% since 1992, demonstrating that the advent of discount long distance plans has produced lower rates for both business and residential consumers.

D. Additional Sources of Information on Local and Toll Rates

1. Local Rates

A few states have begun to place exchange service tariffs on the Internet. The National Association of Regulatory Utility Commissioners (NARUC) web site has links to the web sites of all of the state telecommunications regulatory agencies: www.naruc.org.

The Bureau of Labor Statistics (BLS), part of the U.S. Department of Labor, publishes a number of price indices that follow trends in local telephone rates. Part III of this report reviews these indices. The most current figures can be obtained at <u>www.bls.gov</u>.

2. Toll Rates

Up until August 2001, all interstate interexchange carriers were required to file tariffs setting forth their rates with the FCC. These filings were available for public inspection at the FCC's Reference Information Center, Washington, DC. As of August 1, 2001, interstate carriers were no longer required to file tariffs setting forth their interstate long distance rates. Since that date, carriers are required to post their rates on their websites.

The BLS publishes a number of price indices that follow trends in toll rates. Part III of this report reviews these indices. The most current figures can be obtained at <u>stats.bls.gov</u>.

Finally, there are a number of firms that specialize in monitoring major long distance companies and their rates, and many of these firms maintain Internet sites. Some examples are Abtolls.com, a free directory service guide to long distance carriers and their rates; Telecommunications Research and Action Center, which uses a search engine to find the lowest long distance rates for any selected calling pattern; *Phone Bill Busters*, which lists discount long distance plans and uses a search engine to find the lowest for any selected calling pattern; and *Discount Long Distance Digest*, an Internet newsletter which offers a "free multi-carrier cost comparison service". One can access these services on the Internet at <u>www.abtolls.com</u>, <u>www.trac.org</u>, <u>www.phone-bill-busters.com</u>, and <u>www.thedigest.com</u>.

Table 1.1Residential Rates for Local Service in Urban Areas
(As of October 15, 2004)

	Average Rate	Median Rate ²
Monthly Charge for Flat-Rate Service ¹ Federal and State Subscriber Line Charges Taxes, 911 and Other Charges Total Monthly Charge for Flat-Rate Service	\$14.53 5.81 3.97 \$24.31	\$13.43 6.26 3.86 \$23.55
Number of Sample Cities with Flat-Rate Service	95	-
Monthly Charge for Measured/Message Service ¹ Federal and State Subscriber Line Charges Taxes, 911 and Other Charges Total Monthly Charge for Measured/Message Service	\$7.69 5.78 3.15 \$16.62	\$8.01 6.05 3.15 \$17.21
Cost of a 5-Minute Daytime Call Number of Sample Cities with Message/Measured Service	0.08	0.08
Basic Connection Charge ¹ Taxes Total Connection Charge	\$39.26 3.32 \$42.59	\$39.40 2.81 \$42.21
Additional Charge if Drop Line and Connection Block Needed	12.45	0.00
Lowest-Cost Inside Wiring Maintenance Plan	\$3.98	\$4.45

Note: Detail may not add to totals due to rounding.

¹ Rate includes additional monthly charges for touch-tone service.

 2 Where a rate exists for fewer than 95 cities, the median represents the midpoint rate for those cities which have the service offering.

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003 ¹	2004 ²
Representative Monthly Charge ^{3,4}	\$12.58	\$12.44	\$12.32	\$12.30	\$12.36	\$13.03	\$13.05	\$13.16	\$13.19	\$13.62	\$13.71	\$13.67	\$13.75	\$13.77	\$13.64	\$14.49	\$14.38	\$14.54	\$14.53
Subscriber Line Charges	2.04	2.66	2.67	3.53	3.55	3.56	3.55	3.55	3.55	3.54	3.54	3.53	3.52	3.58	4.50	5.05	5.74	5.86	5.81
Additional Monthly Charge for Touch Tone Service	1.57	1.52	1.54	1.52	1.33	1.06	0.97	0.94	0.77	0.44	0.30	0.25	0.10	0.09	0.06	0.04	4	4	4
Taxes, 911, and Other Charges	1.51	1.56	1.58	1.70	2.00	2.12	2.15	2.29	2.31	2.41	2.40	2.42	2.39	2.48	2.57	3.03	3.94	4.12	3.97
Total Monthly Charge	\$17.70	\$18.18	\$18.11	\$19.05	\$19.24	\$19.77	\$19.72	\$19.95	\$19.81	\$20.01	\$19.95	\$19.88	\$19.76	\$19.93	\$20.78	\$22.62	\$24.07	\$24.52	\$24.31
Basic Connection Charge ⁴ Additional Connection Charge for Touch-tone Service	45.63 1.34	44.04 1.31	42.94 1.55	43.06 1.76	43.06 1.77	42.00 1.27	41.50 1.22	41.38 1.23	41.28 0.85	40.91 0.23	41.11 0.23	41.04 0.17	41.24 0.12	41.26 0.12	41.45 0.12	40.02 0.12	39.83 4	39.22 4	39.26 4
Taxes, 911, and Other Charges	2.28	2.20	2.11	2.44	2.32	2.30	2.29	2.30	2.33	2.44	2.36	2.46	2.38	2.57	2.53	2.81	1.33	3.32	3.32
Total Connection Charge	\$49.25	\$47.55	\$46.60	\$47.26	\$47.15	\$45.57	\$45.01	\$44.92	\$44.46	\$43.58	\$43.70	\$43.67	\$43.74	\$43.95	\$44.10	\$42.95	\$41.16	\$42.54	\$42.59
Additional Charge if Drop Line and Connection Block Needed	1	1	6.04	6.07	6.89	6.89	6.50	7.29	6.74	5.90	5.74	5.65	5.64	5.86	5.84	5.84	5.85	12.13	12.45
Lowest-Cost Inside Wiring Maintenance Plan	0.58	0.85	0.89	1.07	1.07	1.20	1.25	1.31	1.45	1.52	1.78	1.68	2.22	2.66	3.03	3.62	3.62	3.64	3.98

 Table 1.2

 Average Residential Rates for Local Service in Urban Areas, 1986-2004 (As of October 15)

Note: Details may not add to totals due to rounding.

¹ Revised.

² Subject to revision.

³ Rates are based upon flat-rate service where available and measured/message service with 100 five-minute, same-zone, business-day calls elsewhere. Beginning in 2001, all rates reflect flat-rate service.

⁴ Beginning in 2002, rate includes additional monthly charges for touch-tone service.

Table 1.3	
Residential Telephone Rates in the Sample Cities ¹	
(As of October 15, 2004)	

				y Telephone Rate ing Touch-Tone,	Cost of a	Connection Charges	Least-Cost	
		Telephone		arges, and Taxes	Five-Minute	Including Touch-Tone,	Inside Wiring	
State	City	Company	Flat-Rate	Measured/Message	Same-Zone	Surcharges, and Taxes	Maintenance	
State	City	Company	Service	Service	Daytime Call	Surcharges, and Taxes	Plan	
Alabama	Huntsville	BellSouth	\$26.84	\$22.04	\$0.05	\$40.00	\$5.50	
Alaska	Anchorage	Anchorage	21.61	• • • •		53.50	2.00	
Arizona	Tuscon	Qwest	22.66	17.25	0.20	27.50	4.75	
Arkansas	Pine Bluff	SBC	27.53	18.88	0.07	45.00	4.45	
Arkansas	West Memphis	SBC	33.55	17.88	0.07	45.00	4.45	
California	Anaheim	SBC	16.05	11.69	0.05	33.01	2.99	
California	Bakersfield	SBC	16.05	10.87	0.05	33.01	2.99	
California	Fresno	SBC	16.05	10.87	0.05	33.01	2.99	
California	Long Beach	Verizon	28.47	20.06	0.08	46.00	1.75	
California	Los Angeles	SBC	16.05	10.87	0.05	33.01	2.99	
California	Oakland	SBC	16.05	10.87	0.05	33.01	2.99	
California	Salinas	SBC	16.05	10.87	0.05	33.01	2.99	
California	San Diego	SBC	16.05	10.87	0.05	33.01	2.99	
California	San Francisco	SBC	16.05	10.87	0.05	33.01	2.99	
California	San Jose	SBC	16.05	10.87	0.05	33.01	2.99	
Colorado	Boulder	Qwest	27.17	20.52	0.13	35.00	4.75	
Colorado	Colorado Springs	Qwest	24.68	18.78	0.13	35.00	4.75	
Colorado	Denver	Qwest	25.62	19.36	0.13	35.00	4.75	
Connecticut	Ansonia	Verizon	22.15	15.52	0.18	65.00	3.95	
Connecticut	Norwalk	Verizon	21.08	15.54	0.18	65.00	3.95	
District of Columbia	Washington	Verizon	21.46	13.36	0.05	21.00	3.45	
Florida	Miami	BellSouth	21.14			40.88	5.50	
Florida	Tampa	Verizon	22.27	17.05	0.10	55.00	3.95	
Florida	West Palm Beach	BellSouth	20.65			40.88	5.50	
Georgia	Albany	BellSouth	25.91	18.18	0.12	42.50	5.50	
Georgia	Atlanta	BellSouth	28.90			42.50	5.50	
Hawaii	Honolulu	Verizon	26.23			45.50	3.95	
Illinois	Chicago	SBC	21.78	10.00	0.05	39.40	3.95	
Illinois	Decatur	SBC	28.78	17.10	0.05	39.40	4.95	
Illinois	Rock Island	SBC	28.53	16.85	0.05	39.40	4.95	
Indiana	Indianapolis	SBC	19.74	14.26	0.21	47.00	4.99	
Indiana	Terre Haute	Verizon	25.95			57.20	3.95	
Iowa	Fort Dodge	Frontier	19.90			12.95	3.95	
Kentucky	Louisville	BellSouth	28.87	24.16	0.06	42.00	5.50	
Louisiana	Baton Rouge	BellSouth	23.28	16.46	0.25	41.00	5.50	
Louisiana	New Orleans	BellSouth	22.12	15.62	0.06	41.00	5.50	
Maine	Portland	Verizon	27.28			44.75	3.45	
Maryland	Baltimore	Verizon	27.94	20.05	0.08	44.25	3.45	
Massachusetts	Boston	Verizon	29.88	22.39	0.09	13.50	3.45	
Massachusetts	Hyannis	Verizon	29.88	22.39	0.09	13.50	3.45	
Massachusetts	Springfield	Verizon	29.88	22.39	0.09	13.50	3.45	
Michigan	Detroit	SBC	27.45	23.42	0.07	42.25	4.95	
Michigan	Grand Rapids	SBC	25.11	21.97	0.07	42.25	4.95	
Michigan	Saginaw	SBC	27.27	24.45	0.07	42.25	4.95	
Minnesota	Detroit Lakes	Qwest	21.69	15.96	0.00	18.35	4.75	
Minnesota	Minneapolis	Qwest	22.67	17.10	0.10	18.35	4.75	
Mississippi	Pascagoula	BellSouth	28.73	19.98	0.04	46.00	5.50	
Missouri	Kansas City	SBC	19.81	13.76	0.08	36.19	4.95	
Missouri	Mexico	SBC	18.40	12.96	0.08	36.19	4.95	
Missouri	St. Louis	SBC	20.23	13.95	0.08	36.19	4.95	
Montana	Butte	Qwest	26.02	18.36	0.05	26.00	4.75	
Nebraska	Grand Island	Qwest	28.75	22.92	0.10	33.00	4.75	
New Jersey	Phillipsburg	Verizon	17.09	13.22	0.10	42.35	3.45	

Table 1.3					
Residential Telephone Rates in the Sample Cities - Continued ¹					
(As of October 15, 2004)					

		Telephone	Includ Surch	y Telephone Rate ing Touch-Tone, arges, and Taxes	Cost of a Five-Minute	Connection Charges Including Touch-Tone,	Least-Cost Inside Wiring	
State	City	Company	Flat-Rate Service	Measured/Message Service	Same-Zone Daytime Call	Surcharges, and Taxes	Maintenance Plan	
New Mexico	Alamogordo	Qwest	23.74	15.04	0.15	30.00	4.75	
New York	Binghamton	Verizon	30.44	18.08	0.09	55.00	2.35	
New York	Buffalo	Verizon	34.47	18.51	0.09	55.00	2.35	
New York	Massena	Verizon	28.65	17.97	0.09	55.00	2.35	
New York	New York City	Verizon	31.67	19.11	0.09	55.00	2.35	
New York	Ogdensburg	Verizon	29.42	18.46	0.09	55.00	2.35	
New York	Rochester	Frontier	20.44	13.23	0.08	33.32	3.95	
North Carolina	Raleigh	BellSouth	23.32			42.75	5.50	
North Carolina	Rockingham	BellSouth	22.15			42.75	5.50	
Ohio	Canton	SBC	22.14	16.30	0.08	36.50	4.95	
Ohio	Cincinnati	Cincinnati Bell	23.61	15.21	0.15	25.70	5.95	
Ohio	Cleveland	SBC	22.45	16.52	0.08	36.50	4.95	
Ohio	Columbus	SBC	22.19	16.33	0.08	36.50	4.95	
Ohio	Toledo	SBC	22.29	16.41	0.08	36.50	4.95	
Oregon	Corvallis	Owest	22.67	15.45	0.15	16.50	4.75	
Oregon	Portland	Owest	22.66	15.44	0.15	16.50	4.75	
Pennsylvania	Allentown	Verizon	22.10	17.46	0.07	40.00	3.45	
Pennsylvania	Ellwood City	Verizon	22.53	17.90	0.07	40.00	3.45	
Pennsylvania	Johnstown	Verizon	23.12	15.43	0.07	52.70	3.95	
Pennsylvania	New Castle	Verizon	20.73	17.88	0.07	40.00	3.45	
Pennsylvania	Philadelphia	Verizon	23.45	16.57	0.07	40.00	3.45	
Pennsylvania	Pittsburgh	Verizon	23.45	16.57	0.07	40.00	3.45	
Pennsylvania	Scranton	Verizon	22.10	17.46	0.07	40.00	3.45	
Rhode Island	Providence	Verizon	30.29	18.08	0.05	33.83	3.45	
South Carolina	Beaufort	Sprint	23.80	15.65	0.12	32.30	4.00	
Tennessee	Memphis	BellSouth	23.08	14.38	0.06	41.50	5.50	
Tennessee	Nashville	BellSouth	22.41	14.13	0.06	41.50	5.50	
Texas	Brownsville	SBC	19.13	13.83	0.08	38.35	4.95	
Texas	Corpus Christi	SBC	20.48	15.18	0.08	38.35	4.95	
Texas	Dallas	SBC	23.14	16.71	0.08	38.35	4.95	
Texas	Fort Worth	SBC	21.49	15.35	0.08	38.35	4.95	
Texas	Houston	SBC	21.92	15.55	0.08	38.35	4.95	
Texas	San Antonio	SBC	19.71	14.05	0.08	38.35	4.95	
Utah	Logan	Owest	21.41	19.34	0.08	25.00	4.95	
Virginia	Richmond	Verizon	31.43	24.64	0.10	38.50	1.25	
Virginia	Smithfield	Verizon	30.59	24.04 21.80	0.19	40.00	2.50	
Washington	Everett	Verizon	24.49	17.83	0.10	43.25	3.95	
Washington	Seattle	Owest	24.49	17.85	0.02	43.23	4.75	
West Virginia	Huntington	Verizon	21.55	17.44	0.07	42.00	4.75 3.45	
Wisconsin	Milwaukee	SBC	23.32 33.84	13.87	0.16	42.00 51.90	5.45	
Wisconsin	Racine	SBC	33.84 33.58	14.76	0.04	51.90 51.90		
wisconsin	Kacine	SBC	33.38	14./8	0.04	51.90		

¹ All figures are preliminary and subject to revision.

Table 1.4
Monthly Residential Telephone Rates in the Sample Cities ¹
(As of October 15)

State	City	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003 ²	2004 ³
Alabama	Huntsville	\$24.60	\$24.60	\$23.06	\$22.67	\$22.67	\$22.67	\$22.67	\$23.61	\$24.85	\$25.98	\$26.76	\$26.84
Alaska	Anchorage	16.20	14.44	14.47	14.47	14.46	14.48	14.48	14.34	15.42	20.95	21.50	21.61
Arizona	Tuscon	18.23	18.23	19.18	19.13	19.42	19.42	19.43	20.10	20.78	22.89	23.39	22.66
Arkansas	Pine Bluff	22.60	22.22	22.06	22.14	22.22	22.22	22.26	23.22	25.09	26.08	26.11	27.53
Arkansas	West Memphis	29.00	29.55	28.57	28.65	28.78	20.79	28.75	29.72	31.58	32.72	32.71	33.55
California	Anaheim	12.18	12.18	15.59	15.69	15.57	15.57	15.42	15.34	15.71	17.48	16.67	16.05
California	Bakersfield	12.18	12.18	15.59	15.69	15.57	15.57	15.42	15.34	15.71	17.48	16.67	16.05
California	Fresno	12.18	12.18	15.59	15.69	16.67	17.13	15.42	15.34	15.71	17.48	16.67	16.05
California	Long Beach	17.35	16.78	23.56	23.51	23.51	23.51	23.51	24.48	25.05	24.69	28.31	28.47
California	Los Angeles	13.39	13.39	17.09	17.20	15.57	16.01	16.59	16.87	17.28	17.48	16.67	16.05
California	Oakland	13.09	13.09	16.72	16.82	15.57	16.01	16.23	16.49	16.89	17.48	16.67	16.05
California	Salinas	12.79	12.91	16.49	16.59	15.57	16.01	16.02	16.26	16.65	17.48	16.67	16.05
California	San Bernadino	17.12	16.55	23.24	23.19	23.19	23.19	23.19	24.15	25.05	24.69	29.02	28.92
California	San Diego	12.18	12.18	15.59	15.69	15.57	16.01	15.42	15.34	15.71	17.48	16.67	16.05
California	San Francisco	12.18	12.69	15.59	15.69	16.45	16.91	15.16	15.34	15.71	17.48	16.67	16.05
Colorado	Boulder	20.99	21.26	21.51	21.55	21.36	21.39	22.07	23.04	23.07	27.06	27.68	27.17
Colorado	Colorado Springs	20.29	20.23	19.78	20.38	20.38	20.36	20.85	21.77	22.33	24.48	25.00	24.68
Colorado	Denver	20.80	21.12	21.10	21.14	21.11	21.40	21.91	22.85	22.98	25.71	26.23	25.62
Connecticut	Ansonia	17.22	17.60	18.70	18.70	18.70	18.64	19.41	20.67	22.02	22.41	22.34	22.15
Connecticut	Norwalk	16.13	16.51	17.60	17.60	17.60	17.55	18.32	19.58	20.93	21.32	21.25	21.08
District of Columbia	Washington	21.70	21.67	20.13	21.05	19.23	20.10	19.94	20.12	21.03	21.01	21.53	21.46
Florida	Miami	18.07	16.92	16.84	16.86	16.86	16.85	16.83	17.76	18.97	20.26	21.02	21.14
Florida	Tampa	17.45	17.45	17.65	19.09	19.19	19.23	19.23	20.27	21.04	22.29	22.49	22.27
Florida	West Palm Beach	16.74	15.65	15.59	15.89	15.89	15.60	15.58	16.73	18.15	19.56	20.29	20.65
Georgia	Albany	20.60	20.63	20.63	21.29	21.29	21.34	21.88	22.98	24.22	25.11	26.25	25.91
Georgia	Atlanta	24.50	24.53	24.80	24.98	24.98	24.92	24.92	26.04	27.25	28.56	29.54	28.90
Hawaii	Honolulu	19.35	20.60	21.35	22.52	22.40	22.40	22.40	23.28	23.28	25.34	26.35	26.23
Illinois	Chicago	18.21	18.20	17.31	17.63	17.18	17.18	14.52	15.52	21.64	24.68	22.12	21.78
Illinois	Decatur	21.56	21.54	20.19	20.18	20.18	20.18	22.26	23.26	21.08	31.52	29.15	28.78
Illinois	Rock Island	22.18	22.17	20.82	20.82	20.18	20.18	21.85	22.85	20.79	31.26	28.90	28.53
Indiana	Indianapolis	21.87	20.44	19.81	18.82	18.82	18.82	19.05	20.25	20.40	20.20	20.21	19.74
Indiana	Terre Haute	22.93	23.02	23.02	22.98	22.98	22.98	19.86	22.57	23.63	26.21	25.94	25.95
Iowa	Fort Dodge	13.79	14.06	14.06	14.06	15.96	15.90	15.57	16.49	17.62	19.04	19.51	19.90
Kentucky	Louisville	24.17	24.17	23.66	23.66	24.63	24.63	24.70	26.41	27.11	28.44	29.06	28.87
Louisiana	Baton Rouge	22.25	20.81	20.93	20.66	19.57	19.57	19.57	20.47	23.17	23.00	23.65	23.28
Louisiana	New Orleans	23.28	20.33	20.14	19.99	18.78	18.78	18.78	19.69	20.67	21.84	22.49	22.12
Maine	Portland	18.24	18.27	17.99	18.19	19.12	19.70	22.53	23.34	24.72	26.31	26.99	27.28
Maryland	Baltimore	24.98	24.98	24.98	24.98	24.98	24.67	24.67	25.73	26.47	27.14	28.09	27.94
Massachusetts	Boston	21.72	23.07	23.07	23.07	23.07	23.07	23.07	23.46	24.53	25.61	29.64	29.88
Massachusetts	Hyannis	20.43	23.07	23.07	23.07	23.07	23.07	23.07	23.46	24.53	25.61	29.64	29.88
Massachusetts	Springfield	21.72	23.07	23.07	23.07	23.07	23.07	23.07	23.46	24.53	25.61	29.64	29.88
Michigan	Detroit	19.25	19.55	19.50	19.42	19.42	19.76	22.50	25.99	27.12	27.77	27.39	27.45
Michigan	Grand Rapids	17.19	17.53	18.06	17.95	18.01	18.25	20.08	23.28	24.54	25.47	25.07	25.11
Michigan	Saginaw	18.75	16.93	18.96	20.05	20.05	20.11	19.85	22.99	27.71	28.18	27.52	27.27
Minnesota	Detroit Lakes	19.86	19.84	19.91	19.91	19.63	19.63	19.63	20.57	21.50	22.41	22.42	21.69
Minnesota	Minneapolis	21.64	21.66	21.73	21.73	21.45	21.46	20.61	21.54	22.48	23.38	23.39	22.67
Mississippi	Pascagoula Kanago Cita	26.03	26.42	26.42	26.03	26.03	25.26	24.81	25.80	27.05	28.30	28.95	28.73
Missouri	Kansas City	20.40 17.14	19.03	18.15	18.15	19.53	19.53	18.25	19.21	20.68	20.33	20.25	19.81
Missouri	Mexico St. Louis		15.81	17.19	17.19	17.26	17.26	17.26	18.42	20.10	18.76	18.91	18.40
Missouri	St. Louis	20.23	19.05	18.18	18.18	18.18	18.18	18.28	19.32	20.87	20.52	20.73	20.23
Montana	Butte Grand Island	18.22	18.22	18.22	18.22	19.26 23.39	19.69	22.70	23.16	24.23	26.25 29.64	26.54	26.02
Nebraska New Jersey	Grand Island	21.88 13.04	21.88 13.04	21.85 13.04	21.76 13.04	23.39 13.05	23.27 13.05	26.22 13.05	27.14 13.21	26.25 15.31	29.64 15.93	29.38 16.30	28.75 17.09
inew Jeisey	Phillipsburg	13.04	13.04	13.04	13.04	13.03	13.03	13.03	13.21	13.31	13.93	10.50	17.09

Table 1.4
Monthly Residential Telephone Rates in the Sample Cities - Continued ¹
(As of October 15)

State	City	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003 ²	2004 ³
New Mexico	Alamogordo	20.21	20.46	20.65	20.82	20.99	20.99	19.03	17.50	18.14	22.47	24.22	23.74
New York	Binghamton	25.31	24.52	26.03	23.80	23.76	23.74	23.74	23.90	25.01	29.05	30.57	30.44
New York	Buffalo	32.68	31.63	30.62	28.34	28.29	28.27	28.27	28.37	32.41	32.52	34.25	34.47
New York	Massena	22.90	22.88	23.40	21.19	20.33	20.31	20.31	20.50	24.94	24.88	28.79	28.65
New York	New York City	26.75	26.73	25.00	24.92	24.88	24.86	24.86	25.00	28.45	29.04	31.81	31.67
New York	Ogdensburg	23.54	23.52	24.06	21.78	20.90	20.88	20.88	21.08	25.62	25.56	29.56	29.42
New York	Rochester	19.75	18.96	16.83	16.83	17.91	17.86	17.86	18.64	19.55	20.38	20.44	20.44
North Carolina	Raleigh	18.23	18.02	17.75	17.48	17.22	17.23	17.23	18.13	19.33	21.28	23.46	23.32
North Carolina	Rockingham	16.74	16.53	16.22	15.95	15.69	15.69	15.69	16.86	19.20	20.54	21.81	22.15
Ohio	Canton	21.29	21.29	20.00	19.59	18.87	18.72	18.56	19.28	20.31	21.06	21.18	22.14
Ohio	Cincinnati	20.30	21.24	21.13	21.13	21.13	21.05	21.55	22.74	23.54	23.76	23.98	23.61
Ohio	Cleveland	21.29	21.29	20.00	19.44	18.87	18.72	18.56	19.28	20.31	21.06	21.18	22.45
Ohio	Columbus	21.29	21.29	20.00	19.85	18.87	18.72	18.56	19.28	20.31	21.06	21.18	22.19
Ohio	Toledo	21.29	21.29	20.00	19.85	18.87	18.72	18.56	19.28	20.31	21.06	21.18	22.29
Oregon	Corvallis	19.02	18.21	18.73	19.65	19.66	19.88	19.97	21.05	21.62	24.05	23.11	22.67
Oregon	Portland	21.42	18.36	22.07	23.02	21.22	21.19	21.19	22.07	23.64	25.44	21.60	22.66
Pennsylvania	Allentown	17.70	17.70	17.59	17.63	17.47	17.94	17.48	18.35	19.59	20.87	22.21	22.10
Pennsylvania	Ellwood City	15.07	15.07	16.72	16.76	16.60	16.60	16.60	18.74	20.00	21.28	22.65	22.53
Pennsylvania	Johnstown	20.11	21.95	21.78	20.31	19.48	19.48	21.94	22.86	20.97	21.54	23.33	23.12
Pennsylvania	New Castle	15.07	15.58	14.97	15.01	14.90	14.90	14.90	17.04	18.30	19.58	20.84	20.73
Pennsylvania	Philadelphia	20.09	20.09	19.98	18.72	18.56	18.56	18.56	19.41	20.67	22.13	23.57	23.45
Pennsylvania	Pittsburgh	18.78	18.78	18.67	18.72	17.48	17.48	18.56	19.41	20.67	21.95	23.57	23.45
Pennsylvania	Scranton	16.41	16.41	17.59	17.63	18.56	18.56	17.48	18.32	19.59	20.87	22.31	22.10
Rhode Island	Providence	23.09	23.50	23.50	23.50	23.50	23.50	23.49	24.43	25.52	27.68	29.32	30.29
South Carolina	Beaufort	20.30	20.30	19.76	19.76	19.76	19.76	20.41	21.33	22.26	24.56	24.45	23.80
Tennessee	Memphis	20.25	20.25	20.25	20.33	20.33	20.33	19.95	20.33	21.76	22.15	22.80	23.08
Tennessee	Nashville	19.41	19.41	19.41	19.41	19.41	19.88	19.51	19.90	20.99	21.72	22.42	22.41
Texas	Brownsville	15.27	14.33	15.33	15.31	14.91	14.78	15.33	17.16	18.33	21.97	21.54	19.13
Texas	Corpus Christi	17.00	15.93	15.89	15.90	16.22	17.15	17.17	16.23	17.32	27.39	25.77	20.48
Texas	Dallas	18.97	17.99	18.00	17.92	17.47	18.07	17.97	19.45	20.64	28.10	26.79	23.14
Texas	Fort Worth	17.77	16.70	16.73	16.62	16.17	16.75	16.89	19.17	19.66	25.82	25.05	21.49
Texas	Houston	19.42	18.39	18.44	18.28	17.98	18.31	18.31	18.87	19.55	22.19	22.45	21.92
Texas	San Antonio	17.52	16.58	16.56	16.42	16.37	16.35	16.35	17.05	18.13	19.83	20.04	19.71
Utah	Logan	15.66	15.62	15.76	15.76	15.70	17.73	17.99	19.38	19.44	22.13	21.80	21.41
Virginia	Richmond	24.60	24.60	23.90	23.78	23.78	23.78	23.78	28.67	29.60	30.06	31.60	31.43
Virginia	Smithfield	17.01	17.01	17.01	16.90	16.90	16.90	16.90	17.87	27.82	33.29	30.81	30.59
Washington	Everett	18.97	18.97	18.97	18.97	18.97	18.97	19.53	20.47	22.27	24.65	24.71	24.49
Washington	Seattle	17.00	17.00	16.22	15.93	15.97	15.61	18.16	19.03	19.23	21.91	22.01	21.33
West Virginia	Huntington	28.73	28.73	28.73	28.21	27.68	27.16	27.16	25.69	27.47	29.16	29.25	23.32
Wisconsin	Milwaukee	16.56	15.91	15.91	15.92	15.92	15.92	16.76	17.46	34.75	34.95	35.56	33.84
Wisconsin	Racine	16.61	15.96	15.87	15.88	15.88	15.88	16.40	17.09	34.61	34.93	35.54	33.58

¹ Beginning in 2001, all rates reflect flat-rate service. Rates are for flat-rate service where available and measured/message service with 100 local calls elsewhere. All rates include touch-tone service, surcharges, 911 charges, and taxes.

² Revised figures.

³ Preliminary figures - subject to revision.

Table 1.5

Connection Charges for a Residential Telephone Line in the Sample Cities ¹ (As of October 15)

State	City	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003 ²	2004 ³
Alabama	Huntsville	\$42.68	\$42.68	\$42.68	\$40.00	\$40.00	\$40.00	\$40.00	\$40.00	\$40.00	\$40.00	\$40.00	\$40.00
Alaska	Anchorage	25.50	25.50	25.50	25.50	25.50	25.50	35.00	35.00	35.00	43.40	43.40	53.50
Arizona	Tuscon	51.74	51.74	51.74	48.92	48.92	48.92	49.85	46.59	38.43	35.00	30.61	30.61
Arkansas	Pine Bluff	52.72	44.16	43.92	44.08	44.05	44.05	44.16	39.70	44.16	39.70	39.70	45.00
Arkansas	West Memphis	53.25	44.24	44.54	44.67	44.71	44.57	44.69	39.70	44.69	39.70	39.70	45.00
California	Anaheim	34.32	34.32	35.19	35.47	35.61	35.93	34.29	32.23	32.47	33.01	35.82	35.82
California	Bakersfield	34.32	34.32	35.19	35.47	34.92	35.93	34.29	32.23	32.47	35.82	35.82	35.82
California	Fresno	34.32	34.32	35.19	35.47	34.92	35.93	34.29	32.23	32.47	35.82	35.82	35.82
California	Long Beach	55.25	52.89	45.73	45.61	45.61	45.61	45.61	45.61	45.51	46.00	52.46	53.09
California	Los Angeles	34.32	34.32	35.19	35.47	34.92	35.93	33.70	32.23	35.77	35.82	35.82	35.82
California	Oakland	34.32	34.32	35.19	35.47	34.92	35.93	33.70	32.23	32.47	35.82	35.82	35.82
California	Salinas	34.32	34.32	35.19	35.47	34.92	35.93	33.70	32.23	32.47	35.82	35.82	35.82
California	San Bernadino	55.25	52.89	45.73	45.61	45.61	45.61	45.61	45.61	45.51	46.00	53.84	54.01
California	San Diego	34.32	34.32	35.19	35.47	34.92	35.93	34.29	32.23	32.47	35.82	35.82	35.82
California	San Francisco	34.32	34.32	35.19	35.47	34.92	35.93	34.29	32.23	32.47	35.82	35.82	35.82
California	San Jose	34.32	34.32	35.19	35.47	35.93	35.93	34.29	32.23	34.12	35.82	35.82	35.82
Colorado	Colorado Springs	36.84	36.40	36.40	36.40	36.40	36.40	37.53	36.09	37.38	35.00	37.09	37.09
Colorado	Denver	37.56	37.56	37.56	37.56	37.56	37.56	38.72	36.09	38.54	38.27	38.27	38.27
Connecticut	Ansonia	47.70	47.70	47.70	47.70	47.70	47.70	47.70	55.00	58.30	65.00	65.00	65.00
Connecticut	Norwalk	47.70	47.70	47.70	47.70	47.70	47.70	47.70	55.00	58.30	65.00	65.00	65.00
District of Columbia	Washington	30.76	30.76	30.76	30.76	30.76	30.76	30.76	30.76	21.00	23.10	25.10	25.10
Florida	Miami	44.50	40.00	40.00	40.00	40.00	40.00	40.00	40.00	43.32	43.92	44.25	44.17
Florida	Tampa	62.98	62.98	62.98	59.13	59.13	59.13	59.13	55.00	59.13	55.00	61.15	61.15
Florida	West Palm Beach	44.50	40.00	40.00	40.00	40.00	40.00	40.00	40.00	43.28	43.88	44.05	44.05
Georgia	Albany	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50
Georgia	Atlanta	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50
Hawaii	Honolulu	45.50	45.50	45.50	49.30	50.74	50.74	50.74	50.61	50.72	45.50	53.91	53.91
Illinois	Chicago	60.56	60.56	60.56	60.56	60.56	60.56	63.03	55.00	59.76	45.40	39.60	39.40
Illinois	Decatur	60.64	60.64	60.64	60.64	60.64	60.64	62.56	55.00	59.31	45.40	39.40	39.40
Illinois	Rock Island	60.64	60.64	60.64	60.64	60.64	60.64	62.56	55.00	59.31	45.40	39.60	39.40
Indiana	Indianapolis	47.00	47.00	47.00	47.00	47.00	47.00	47.00	47.00	47.00	47.00	47.00	47.00
Indiana	Terre Haute	60.06	60.06	60.06	60.06	60.06	60.06	60.06	60.06	60.06	57.20	62.35	62.35
Iowa	Fort Dodge	9.82	9.82	9.82	9.82	14.06	13.98	13.59	12.94	13.57	12.80	12.76	12.95
Kentucky	Louisville	34.50	34.50	34.50	42.00	42.00	42.00	42.00	42.00	44.52	44.52	44.52	44.52
Louisiana	Baton Rouge	51.80	51.80	44.63	44.29	42.23	42.23	42.23	41.00	44.28	44.34	44.34	44.34
Louisiana	New Orleans	51.50	52.00	44.29	44.29	42.23	42.23	42.23	41.00	42.23	42.23	42.23	42.23
Maine	Portland	47.44	47.44	47.44	47.44	47.44	47.21	47.21	44.75	46.99	44.75	48.33	48.33
Maryland	Baltimore	48.00	48.00	48.00	48.00	48.00	48.00	48.00	48.00	48.00	48.00	56.18	51.79
Massachusetts	Boston	38.92	38.92	38.92	38.92	38.92	38.92	38.92	37.07	14.18	13.50	14.59	14.59
Massachusetts	Hyannis	38.92	38.92	38.92	38.92	38.92	38.92	38.92	37.07	14.18	13.50	14.59	14.59
Massachusetts	Springfield	38.92	38.92	38.92	38.92	38.92	38.92	38.92	37.07	14.18	13.50	14.59	14.59
Michigan	Detroit	43.68	44.52	44.52	44.52	44.52	44.52	46.62	42.00	46.62	46.62	46.62	46.90
Michigan	Grand Rapids	43.68	44.52	44.52	44.52	44.52	44.52	44.52	42.00	44.52	44.52	44.52	44.78
Michigan	Saginaw	43.68	44.52	44.52	44.52	44.52	44.52	44.52	42.00	44.52	44.52	44.52	44.78
Minnesota	Detroit Lakes	18.75	18.75	18.75	19.97	19.54	19.54	19.54	18.35	19.54	19.54	19.54	19.54
Minnesota	Minneapolis	18.75	18.75	18.75	20.06	19.63	19.63	19.63	18.35	19.63	19.63	19.63	19.63
Mississippi	Pascagoula	49.22	49.22	49.22	49.22	49.22	49.22	49.22	46.00	49.22	49.22	49.22	49.22
Missouri	Kansas City	52.95	42.47	42.47	42.47	42.47	42.47	42.70	36.50	41.69	41.51	37.45	41.16
Missouri	Mexico	51.98	51.98	41.70	41.70	41.88	41.88	41.88	36.50	41.49	41.18	41.55	41.53
Missouri	St. Louis	53.16	53.67	43.06	43.06	43.06	43.06	43.30	36.50	42.93	42.61	42.99	42.97
Montana	Butte	35.30	35.30	25.00	25.00	25.00	25.00	26.00	26.00	26.00	26.00	26.00	26.00
Nebraska	Grand Island	30.52	30.52	30.52	36.03	36.03	36.03	37.41	35.29	37.27	37.44	37.44	37.60
New Jersey	Phillipsburg	44.52	44.52	44.52	44.89	44.89	44.89	44.89	42.35	44.89	44.89	46.16	46.16
110W J0150y	1 mmpsourg	52	52	52	-7.09	09	09	09	-2.55	-77.09	09	40.10	40.10

Table 1.5
Connection Charges for a Residential Telephone Line in the Sample Cities - Continued
(As of October 15)

State	City	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003 ²	2004 ³
New Mexico	Alamogordo	31.86	31.96	31.96	31.86	31.86	31.86	31.86	30.00	31.99	32.01	32.01	32.09
New York	Binghamton	62.48	62.42	62.71	62.59	62.47	62.41	62.41	57.13	61.53	55.00	61.61	61.61
New York	Buffalo	64.19	64.13	63.83	63.71	63.59	63.53	63.53	58.17	62.57	55.00	62.68	62.68
New York	Massena	62.69	62.63	62.34	62.22	62.10	62.05	62.05	57.33	61.18	55.00	61.26	61.26
New York	New York	64.64	64.58	64.29	64.02	63.90	63.84	63.84	58.32	62.47	55.00	62.62	62.62
New York	Ogdensburg	64.46	64.39	64.09	63.97	63.85	63.79	63.79	57.33	62.83	55.00	62.91	62.91
New York	Rochester	47.01	33.32	33.32	33.32	33.32	33.32	33.32	33.32	33.32	33.32	33.32	33.32
North Carolina	Raleigh	44.03	44.03	44.03	44.03	44.03	44.03	44.03	42.75	44.03	45.32	45.32	45.32
North Carolina	Rockingham	44.03	44.03	44.03	44.03	44.03	44.03	44.03	42.75	44.03	45.32	45.32	45.32
Ohio	Canton	45.80	45.80	36.50	36.50	36.50	36.50	36.50	36.50	36.50	36.50	36.50	36.50
Ohio	Cincinnati	30.25	31.70	31.70	31.70	31.70	25.70	25.70	25.70	25.70	25.70	25.70	25.70
Ohio	Cleveland	45.80	45.80	36.50	36.50	36.50	36.50	36.50	36.50	36.50	36.50	36.50	36.50
Ohio	Columbus	45.80	45.80	36.50	36.50	36.50	36.50	36.50	36.50	36.50	36.50	36.50	36.50
Ohio	Toledo	45.80	45.80	36.50	36.50	36.50	36.50	36.50	36.50	36.50	36.50	36.50	36.50
Oregon	Corvallis	12.00	12.00	12.00	12.36	12.36	12.36	12.36	12.36	12.72	16.50	17.90	17.99
Oregon	Portland	12.00	12.00	12.00	12.36	12.36	12.36	12.36	12.36	12.72	16.50	17.90	17.99
Pennsylvania	Allentown	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	43.60	43.60
Pennsylvania	Ellwood City	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	43.60	43.60
Pennsylvania	Johnstown	55.86	55.86	55.86	55.86	55.86	55.86	55.86	52.70	55.86	52.70	57.44	57.44
Pennsylvania	New Castle	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	43.60	43.60
Pennsylvania	Philadelphia	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.40	44.00	44.00
Pennsylvania	Pittsburgh	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	44.00	44.00
Pennsylvania	Scranton	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	43.60	43.60
Rhode Island	Providence	30.39	36.20	36.20	36.20	36.20	36.20	36.20	33.83	36.20	33.83	37.21	37.21
South Carolina	Beaufort	32.30	32.30	32.30	32.30	32.30	32.30	32.30	32.30	32.30	32.30	32.30	32.30
Tennessee	Memphis	47.39	47.39	47.39	47.62	47.62	47.62	47.40	43.85	47.28	47.76	47.96	47.96
Tennessee	Nashville	45.13	45.13	45.13	45.13	45.13	45.13	44.92	41.50	44.92	45.44	45.45	45.45
Texas	Brownsville	46.66	44.06	47.12	47.08	47.07	46.65	47.39	38.35	47.39	44.06	41.51	41.51
Texas	Corpus Christi	50.45	47.39	47.28	47.31	48.25	43.85	43.91	38.35	43.91	43.91	41.47	41.47
Texas	Dallas	51.15	48.38	48.38	48.18	46.95	48.58	48.31	38.35	48.31	44.06	41.51	41.51
Texas	Fort Worth	50.80	47.82	47.90	47.59	46.31	47.95	48.36	38.35	48.36	44.06	41.32	41.32
Texas	Houston	51.22	48.37	48.40	47.98	47.20	44.06	44.06	38.35	44.06	44.06	41.13	41.13
Texas	San Antonio	49.99	47.38	47.31	46.93	47.71	43.85	43.85	38.35	43.85	43.91	41.18	41.13
Utah	Logan	19.92	19.90	19.90	26.53	26.50	26.50	26.83	25.17	27.41	25.00	26.68	27.89
Virginia	Richmond	38.50	38.50	38.50	38.50	38.50	38.50	38.50	38.50	38.50	38.50	50.79	50.79
Virginia	Smithfield	29.25	29.25	29.25	30.00	30.00	30.00	40.00	40.00	40.00	40.00	47.20	47.20
Washington	Everett	42.08	42.08	42.08	46.67	46.67	46.67	46.67	43.25	46.67	43.25	50.09	50.09
Washington	Seattle	33.08	33.08	32.98	32.98	32.98	32.98	32.98	32.98	32.98	32.98	32.98	32.98
West Virginia	Huntington	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	44.10	44.10
Wisconsin	Milwaukee	34.87	34.87	34.87	34.90	34.90	35.52	47.52	45.00	58.08	55.00	51.90	51.90
Wisconsin	Racine	34.70	34.70	34.70	34.74	34.74	35.52	47.30	55.00	57.81	55.00	51.90	51.90

¹ Rates include additonal monthly taxes and surcharges.

² Revised figures.

³ Subject to revision.

Table 1.6 Comparison of Standard Local Telephone Rates to Lifeline and Link-Up Rates (As of October 15, 2004)

	Standard Rate in Cities with Subsidy Plan	Subsidy-Plan Rate	Benefit
	(a)	(b)	(a) - (b)
Representative Monthly Charge ¹	\$14.53	\$8.52	\$6.02
Federal and State Subscriber Line Charges	5.81	0.14	5.67
Taxes, 911 and Other Charges	3.97	1.83	2.14
Total Monthly Charge ²	\$24.31	\$10.49	\$13.82
Basic Connection Charge	\$39.26	\$12.96	\$26.30
Taxes	3.32	1.12	2.21
Total Connection Charge ²	\$42.59	\$14.08	\$28.51

Note: Detail may not add to totals due to rounding.

¹ All standard rates reflect flat-rate service. Subsidy plan rates reflect flat-rate subsidized service where available and subsidized measured/message service with 100 calls elsewhere.

² Averages are for the 95 cities with subsidized monthly rates and connection assistance plans.

Image: Product of the system of the	State	City	Telephone	Monthly Tele Including S and T	urcharges Taxes	Connectio Including S and 7	Surcharges Faxes
Alaska Anchorage 21.61 1.64 35.50 Arizona Tucson Qwest 22.66 9.68 27.50 1 Arkansas Pine Bluff SBC 33.55 20.17 45.00 2 California Anaheim SBC 16.05 10.50 33.01 1 California Bakersfield SBC 16.05 10.50 33.01 1 California Long Beach Verizon 28.47 5.44 46.00 1 California San Brandino Verizon 28.92 5.54 46.00 1 California San Brancisco SBC 16.05 10.50 33.01 1 California San Francisco SBC 16.05 10.50 33.01 1 California San Jose SBC 25.62 6.10 35.00 1 Colorado Colorado Springs Qwest 22.15 11.18 65.00 2 Comaecticut Anonia <th></th> <th></th> <th>Company</th> <th></th> <th>Lifeline Rates</th> <th></th> <th>Link-Up Rates</th>			Company		Lifeline Rates		Link-Up Rates
Arizona Tueson Owest 22.66 9.68 27.50 1 Arkansas Pine Bluff SBC 27.53 14.37 45.00 2 Arkansas West Memphis SBC 33.55 20.17 45.00 2 California Anaheim SBC 16.05 10.50 33.01 1 California Long Beach Verizon 28.47 5.44 46.00 1 California Los Angeles SBC 16.05 10.50 33.01 1 California San Brandino Verizon 28.92 5.54 46.00 1 California San Brandino Verizon 28.92 5.54 46.00 1 California San Josee SBC 16.05 10.50 33.01 1 California San Josee SBC 16.05 10.50 33.01 1 California San Josee SBC 16.05 10.50 33.01 1 <td< td=""><td>Alabama</td><td>Huntsville</td><td>BellSouth</td><td>\$26.84</td><td>\$11.14</td><td>\$40.00</td><td>\$20.00</td></td<>	Alabama	Huntsville	BellSouth	\$26.84	\$11.14	\$40.00	\$20.00
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Alaska	Anchorage	Anchorage				0.00
Arkansas West Memphis SBC 33.55 20.17 45.00 22 California Anaheim SBC 16.05 10.50 33.01 1 California Fresno SBC 16.05 10.50 33.01 1 California Long Beach Verizon 28.47 5.44 46.00 1 California Los Angeles SBC 16.05 10.50 33.01 1 California San Bernadino Verizon 28.92 5.54 46.00 1 California San Iscas SBC 16.05 10.50 33.01 1 California San Iscas SBC 16.05 10.50 33.01 1 California San Jose SBC 16.05 10.50 33.01 1 California San Jose SBC 26.61 0.55.00 2 Colorado Colorado Springs Qwest 22.15 11.18 65.00 2 Connecticut						27.50	15.31
California Anaheim SBC 16.05 10.50 33.01 1 California Bakersfield SBC 16.05 10.50 33.01 1 California Long Beach Verizon 28.47 5.44 46.00 1 California Los Angeles SBC 16.05 10.50 33.01 1 California Oakland SBC 16.05 10.50 33.01 1 California San Bernadino Verizon 28.92 5.54 46.00 1 California San Disego SBC 16.05 10.50 33.01 1 California San Jose SBC 16.05 10.50 33.01 1 Colorado Boulder Qwest 27.17 6.56 35.00 1 Colorado Denver Qwest 22.15 10.10 65.00 3 Connecticut Ansonia SBC 21.08 10.10 65.00 3 Conone	Arkansas						22.50
	Arkansas	West Memphis	SBC	33.55	20.17	45.00	22.50
	California	Anaheim	SBC	16.05	10.50	33.01	17.81
	California	Bakersfield	SBC		10.50	33.01	17.81
	California						17.81
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	California	Long Beach	Verizon			46.00	11.55
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	California	Los Angeles	SBC	16.05	10.50	33.01	17.81
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	California	Oakland	SBC			33.01	17.81
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$							11.74
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							17.81
$ \begin{array}{c cccc} Colorado & Boulder & Qwest & 27.17 & 6.56 & 35.00 & 27.17 & 6.56 & 35.00 & 27.17 & 6.56 & 35.00 & 17.18 & 6.08 & 35.00 & 17.18 & 6.08 & 35.00 & 17.18 & 6.08 & 35.00 & 17.18 & 6.08 & 35.00 & 17.18 & 6.08 & 35.00 & 17.18 & 6.08 & 35.00 & 17.18 & 6.08 & 35.00 & 17.18 & 6.08 & 35.00 & 17.18 & 6.08 & 35.00 & 17.18 & 6.08 & 35.00 & 17.18 & 6.08 & 35.00 & 17.18 & 6.08 & 35.00 & 17.18 & 6.08 & 17.18 & 6.08 & 35.00 & 17.18 & 6.08 & 35.00 & 17.18 & 6.08 & 35.00 & 17.18 & 6.08 & 35.00 & 17.18 & 6.08 & 17.18 & 6.08 & 37.20 & 37.18 & 6.08 & 57.20 & 37.18$							17.81
Colorado Colorado Springs Qwest 24.68 6.08 35.00 1 Colorado Denver Qwest 25.62 6.10 35.00 1 Connecticut Ansonia SBC 22.15 11.18 65.00 35.00 1 District of Columbia Washington Verizon 21.46 4.49 21.00 1 Florida Miami BellSouth 21.14 6.14 40.88 2 Georgia Albany BellSouth 20.65 5.24 40.88 2 Georgia Atlanta BellSouth 28.90 13.58 42.50 2 Georgia Atlanta BellSouth 28.90 13.58 42.50 2 Illinois Chicago SBC 21.78 14.04 39.40 2 Illinois Rock Island SBC 28.78 21.12 39.40 2 Illinois Rock Island SBC 19.74 11.82 47.00 2			SBC				17.81
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$			Qwest				20.10
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$			Qwest				18.55
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Colorado						19.14
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$							35.00
Florida Miami BellSouth 21.14 6.14 40.88 22 Florida Tampa Verizon 22.27 6.36 55.00 3 Florida West Palm Beach BellSouth 20.65 5.24 40.88 2 Georgia Albany BellSouth 25.91 10.66 42.50 2 Georgia Atlanta BellSouth 28.90 13.58 42.50 2 Hawaii Honolulu Verizon 26.23 15.42 45.50 2 Illinois Decatur SBC 21.78 14.04 39.40 Illinois Rock Island SBC 28.78 21.12 39.40 Indiana Indianapolis SBC 19.74 11.82 47.00 Indiana Terre Haute Verizon 25.95 16.08 57.20 3 Iowa Fort Dodge Frontier 19.90 10.00 12.95 5 Kentucky Louisiana Batimore <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>35.00</td>							35.00
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $							12.55
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $							22.08
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$							22.02
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Indiana Terre Haute Verizon 25.95 16.08 57.20 33 Iowa Fort Dodge Frontier 19.90 10.00 12.95 34 Iowa Baton Rouge BellSouth 28.87 13.48 42.00 32 Louisiana Baton Rouge BellSouth 23.28 13.85 41.00 32 Louisiana New Orleans BellSouth 22.12 12.80 41.00 32 Maine Portland Verizon 27.28 9.67 44.75 14 Maryland Baltimore Verizon 29.88 8.86 13.50 Massachusetts Boston Verizon 29.88 8.86 13.50 Massachusetts Springfield Verizon 29.88 8.86 13.50 Massachusetts Springfield Verizon 29.88 8.86 13.50 Michigan Grand Rapids SBC 27.45 15.95 42.25 Michigan Grand Rapids SBC <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>9.70</td>							9.70
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Massachusetts Hyannis Verizon 29.88 8.86 13.50 Massachusetts Springfield Verizon 29.88 8.86 13.50 Michigan Detroit SBC 27.45 15.95 42.25 Michigan Grand Rapids SBC 25.11 13.81 42.25 Michigan Saginaw SBC 27.27 16.27 42.25 Minnesota Detroit Lakes Qwest 21.69 11.88 18.35 Minnesota Minneapolis Qwest 22.67 12.85 18.35 Mississisppi Pascagoula BellSouth 28.73 13.18 46.00 22 Missouri Kansas City SBC 19.81 8.77 36.19 11							7.29
Massachusetts Springfield Verizon 29.88 8.86 13.50 Michigan Detroit SBC 27.45 15.95 42.25 Michigan Grand Rapids SBC 25.11 13.81 42.25 Michigan Saginaw SBC 27.27 16.27 42.25 Minnesota Detroit Lakes Qwest 21.69 11.88 18.35 Minnesota Minneapolis Qwest 22.67 12.85 18.35 Mississisppi Pascagoula BellSouth 28.73 13.18 46.00 22 Missouri Kansas City SBC 19.81 8.77 36.19 11							7.29
Michigan Detroit SBC 27.45 15.95 42.25 Michigan Grand Rapids SBC 25.11 13.81 42.25 Michigan Saginaw SBC 27.27 16.27 42.25 Minnesota Detroit Lakes Qwest 21.69 11.88 18.35 Minnesota Minneapolis Qwest 22.67 12.85 18.35 Mississisppi Pascagoula BellSouth 28.73 13.18 46.00 22 Missouri Kansas City SBC 19.81 8.77 36.19 11 Missouri Mexico SBC 18.40 7.09 36.19 11							7.29
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Missouri Mexico SBC 18.40 7.09 36.19	11						18.10
		5					18.10
	Missouri	St. Louis	SBC	20.23	8.98	36.19	18.10
							13.00
							13.00
							23.09

Table 1.7Lifeline and Link-Up Rates in the Sample Cities(As of October 15, 2004)

Table 1.7
Lifeline and Link-Up Rates in the Sample Cities - Continued
(As of October 15, 2004)

			Monthly Tele	phone Rate ¹	Connection Charge		
			Including S		Including Surcharges		
State	City	Telephone	and T			Faxes	
		Company	Standard	Lifeline	Standard	Link-Up	
		•••• • ••• · /	Rates	Rates	Rates	Rates	
New Mexico	Alamogordo	Qwest	23.74	5.26	30.00	8.02	
New York	Binghamton	Verizon	30.44	13.50	55.00	5.60	
New York	Buffalo	Verizon	34.47	17.74	55.00	5.70	
New York	Massena	Verizon	28.65	10.28	55.00	5.57	
New York	New York City	Verizon	31.67	13.72	55.00	5.69	
New York	Ogdensburg	Verizon	29.42	10.56	55.00	5.72	
New York	Rochester	Frontier - Rochester	20.44	8.46	33.32	10.00	
North Carolina	Raleigh	BellSouth	23.32	7.97	42.75	22.66	
North Carolina	Rockingham	BellSouth	22.15	6.80	42.75	22.66	
Ohio	Canton	SBC	22.14	8.58	36.50	0.00	
Ohio	Cincinnati	Cincinnati Bell	23.61	10.37	25.70	0.00	
Ohio	Cleveland	SBC	22.45	8.70	36.50	0.00	
Ohio	Columbus	SBC	22.19	8.60	36.50	0.00	
Ohio	Toledo	SBC	22.29	8.64	36.50	0.00	
Oregon	Corvallis	Qwest	22.67	7.39	16.50	8.99	
Oregon	Portland	Qwest	22.66	7.38	16.50	8.99	
Pennsylvania	Allentown	Verizon	22.10	8.67	40.00	21.80	
Pennsylvania	Ellwood City	Verizon	22.53	9.10	40.00	21.80	
Pennsylvania	Johnstown	Verizon	23.12	9.15	52.70	28.72	
Pennsylvania	New Castle	Verizon	20.73	7.30	40.00	21.80	
Pennsylvania	Philadelphia	Verizon	23.45	9.90	40.00	22.00	
Pennsylvania	Pittsburgh	Verizon	23.45	9.90	40.00	22.06	
Pennsylvania	Scranton	Verizon	22.10	8.67	40.00	21.80	
Rhode Island	Providence	Verizon	30.29	13.40	33.83	18.61	
South Carolina	Beaufort	Sprint	23.80	7.77	32.30	16.15	
Tennessee	Memphis	BellSouth	23.08	7.01	41.50	24.00	
Tennessee	Nashville	BellSouth	22.41	6.68	41.50	22.52	
Texas	Brownsville	SBC	19.13	3.89	38.35	19.18	
Texas	Corpus Christi	SBC	20.48	3.34	38.35	19.18	
Texas	Dallas	SBC	23.14	7.06	38.35	19.18	
Texas	Fort Worth	SBC	21.49	5.50	38.35	19.18	
Texas	Houston	SBC	21.92	5.27	38.35	19.18	
Texas	San Antonio	SBC	19.71	4.92	38.35	19.18	
Utah	Logan	Qwest	21.41	5.57	25.00	13.95	
Virginia	Richmond	Verizon	31.43	16.97	38.50	25.39	
Virginia	Smithfield	Verizon	30.59	13.70	40.00	23.60	
Washington	Everett	Verizon	24.49	10.24	43.25	25.05	
Washington	Seattle	Qwest	21.33	9.61	31.00	16.49	
West Virginia	Huntington	Verizon	23.32	20.35	42.00	0.00	
Wisconsin	Milwaukee	SBC	33.84	23.87	51.90	0.00	
Wisconsin	Racine	SBC	33.58	23.85	51.90	0.00	

¹ Rates are for flat-rate service where available and measured/message service with 100 calls elsewhere. Rates are subject to revision.

Table 1.8 Average Local Rates for Businesses with a Single Line in Urban Areas (As of October 15, 2004)

	Average Rate	Median Rate ¹
Monthly Charge for Flat-Rate Service ²	\$32.81	\$33.42
Federal and State Subscriber Line Charges	5.84	6.50
Taxes, 911, and Other Charges	7.57	7.07
Total Monthly Charge for Flat-Rate Service	\$46.21	\$46.99
Number of Sample Cities with Flat-Rate Service	53	
Monthly Charge for Measured/Message Service ²	\$17.59	\$18.14
Federal and State Subscriber Line Charges	5.66	6.05
Taxes, 911, and Other Charges	4.90	4.59
Total Monthly Charge for Measured/Message Service	\$28.15	\$28.78
Cost of a 5-Minute Daytime Call	0.10	0.08
Number of Sample Cities with Message/Measured Service	85	
Basic Connection Charge ²	\$67.24	\$62.85
Taxes	6.93	5.71
Total Connection Charge	\$74.17	\$68.56
Additional Charge if Drop Line and Connection Block Needed	13.76	0.00
Lowest-Cost Inside Wiring Maintenance Plan	\$5.25	\$5.75

Note: Detail may not add to totals due to rounding.

¹ Where a rate exists for fewer than 95 cities, the median represents the midpoint rate for those cities which have the service offering.

² Includes additional monthly charges for touch-tone service.

Table 1.9
Average Local Rates for Businesses with a Single Line in Urban Areas
(As of October 15)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003 ¹	2004 ²
Monthly Representative Service Charge ³	\$31.06	\$30.97	\$32.29	\$32.45	\$32.70	\$32.25	\$32.48	\$32.58	\$32.76	\$32.44	\$32.41	\$32.18	\$31.88	\$30.86	\$30.65	\$32.42
Subscriber Line Charges	3.55	3.57	\$32.29 3.57	\$32.43 3.56	\$32.70 3.57	\$32.23 3.57	\$52.48 3.57	3.54	3.54	3.54	3.52	4.39	4.91	5.63	5.76	5.72
Extra for Touch-Tone Service ⁴	2.43	2.35	1.84	1.71	1.67	1.21	0.97	0.82	0.38	0.32	0.25	0.19	0.18	4	4	4
Taxes, 911, and Other Charges	4.21	4.32	4.42	4.57	4.63	4.61	4.79	4.87	4.99	4.97	5.03	5.04	5.45	5.47	5.55	5.62
Total Monthly Charge	\$41.25	\$41.21	\$42.12	\$42.29	\$42.57	\$41.64	\$41.80	\$41.81	\$41.67	\$41.27	\$41.21	\$41.80	\$42.43	\$41.95	\$41.96	\$43.75
Monthly Charge for Flat-Rate Service	\$33.04	\$33.29	\$34.12	\$34.06	\$34.85	\$34.39	\$34.45	\$34.42	\$34.68	\$34.39	\$33.73	\$33.45	\$32.02	\$32.92	\$33.17	\$32.81
Subscriber Line Charges	3.65	3.69	3.70	3.70	3.70	3.70	3.69	3.61	3.61	3.56	3.50	4.35	4.77	\$32.92 5.77	6.03	5.84
Extra for Touch-Tone Service ⁴	2.12	2.11	1.87	1.84	1.76	1.12	1.00	0.89	0.53	0.49	0.47	0.43	0.39	4	4	4
Taxes, 911, and Other Charges	4.90	4.98	5.22	5.34	5.50	5.36	5.58	5.55	5.58	5.63	5.49	5.68	5.98	8.16	7.91	7.57
Total Monthly Charge for Flat-Rate Service	\$43.71	\$44.07	\$44.91	\$44.94	\$45.81	\$44.57	\$44.71	\$44.47	\$44.39	\$44.07	\$43.20	\$43.90	\$43.15	\$46.85	\$47.12	\$46.21
Number of Sample Cities with Flat-Rate Service	59	56	54	54	54	53	53	53	53	54	54	54	54	52	52	53
Monthly Charge for Measured/Message Service	\$16.18	\$16.17	\$16.76	\$16.55	\$16.60	\$16.74	\$17.06	\$17.26	\$17.28	\$17.16	\$17.06	\$16.92	\$17.16	\$17.56	\$17.21	\$17.59
200 Five-Minute, Business-Day, Same-Zone Calls	16.11	16.19	16.70	17.23	17.57	17.38	17.15	17.10	17.18	17.15	17.24	17.63	17.56	16.78	17.17	19.36
Subscriber Line Charges	3.54	3.55	3.55	3.54	3.55	3.55	3.54	3.51	3.51	3.53	3.52	4.39	4.90	5.56	5.65	5.66
Extra for Touch-Tone Service ⁴ Tax, Including 911 Charges	2.48 4.41	2.39 4.53	1.87 4.56	1.73 4.77	1.68 4.86	1.22 4.83	0.98 5.01	0.83 5.13	0.39 5.22	0.33 5.19	0.25 5.28	0.20 5.32	0.19 5.76	4.71	4.78	4.90
Total Monthly Charge for Measured/Message Service	4.41 \$42.72	4.55 \$42.83	4.30 \$43.44	4.77 \$43.82	4.80 \$44.26	4.83 \$43.72	\$43.75	\$43.84	\$43.57	\$43.35	\$43.35	\$44.45	\$45.57	4.71 \$44.61	4.78 \$44.82	4.90 \$47.51
<i>, , , , , , , , , , , , , , , , , , , </i>						-									-	
Number of Sample Cities with Measured/Message Service	83	83	84	84	84	87	87	86	85	85	85	85	85	86	85	85
Cost of a Five-Minute, Business-Day, Same-Zone Cal	\$0.09	\$0.09	\$0.09	\$0.09	\$0.09	\$0.09	\$0.09	\$0.09	\$0.09	\$0.09	\$0.09	\$0.09	\$0.09	\$0.09	\$0.09	\$0.10
Basic Connection Charge	\$71.05	\$71.36	\$72.75	\$72.55	\$71.41	\$69.88	\$67.87	\$68.47	\$68.67	\$65.83	\$67.87	\$67.77	\$67.04	\$67.29	\$67.23	\$67.24
Additional Connection Charge for Touch-Tone Service ⁴	1.70	1.89	1.13	1.19	1.17	0.92	0.27	0.17	0.17	0.12	0.12	0.12	0.12	4	4	4
Tax, Including 911 Charges	4.06	4.15	4.32	4.33	4.25	4.13	4.17	4.20	4.45	4.13	4.53	4.40	4.69	5.09	6.95	6.93
Total Connection Charge	\$76.81	\$77.40	\$78.20	\$78.07	\$76.83	\$74.93	\$72.31	\$72.85	\$73.29	\$70.09	\$72.55	\$72.29	\$71.86	\$72.39	\$74.18	\$74.17
Additional Charge if Drop Line and Connection Block Needed	\$5.92	\$7.87	\$6.90	\$6.83	\$6.64	\$6.49	\$7.28	\$6.98	\$6.54	\$6.54	\$6.65	\$6.62	\$6.62	\$6.52	\$13.43	\$13.76
Lowest-Cost Inside Wiring Maintenance Plan	\$1.78	\$1.91	\$2.05	\$2.03	\$2.08	\$2.26	\$2.39	\$2.63	\$2.84	\$3.04	\$3.53	\$3.92	\$4.86	\$4.73	\$4.65	\$5.25

Note: Details may not add to totals due to rounding.

¹ Revised.

² Subject to revision.

³ Rates are based on flat-rate service where available and measured/message service with 200 five-minute, same-zone, business-day calls elsewhere.

⁴ Starting in 2002, additional monthly charges for touch-tone service are included in the monthly charge.

Table 1.10Telephone Rates in the Sample Cities for a Business with a Single Line
(As of October 15, 2004)

		Thehee	Incluc	ly Telephone Rate ling Touch-Tone,	Cost of a Five-Minute	Connection Charges
-		Telephone		arges, and Taxes	Same-Zone	Including Touch-Tone,
State	City	Company	Flat-Rate	Measured/Message	Daytime Call	Surcharges, and Taxes
			Service	Service		
Alabama	Huntsville	BellSouth	\$49.59	\$35.77	\$0.17	\$69.00
Alaska	Anchorage	Anchorage	35.68			56.50
Arizona	Tucson	Qwest	42.54			47.30
Arkansas	Pine Bluff	SBC	47.10	31.05	0.07	93.43
Arkansas	West Memphis	SBC	58.67	28.79	0.07	94.55
California	Anaheim	SBC		16.47	0.01	72.92
California	Bakersfield	SBC		16.28	0.01	72.92
California	Fresno	SBC		16.27	0.01	72.83
California	Long Beach	Verizon		30.75	0.08	101.34
California	Los Angeles	SBC		16.27	0.07	72.92
California	Oakland	SBC		16.27	0.07	72.92
California	Salinas	SBC		16.27	0.07	72.92
California	San Bernadino	Verizon		31.24	0.08	100.07
California	San Diego	SBC		16.27	0.07	72.92
California	San Francisco	SBC		16.27	0.07	72.92
California	San Jose	SBC		16.27	0.07	72.92
Colorado	Boulder	Qwest	51.27	30.97	0.13	62.03
Colorado	Colorado Springs	Qwest	46.04	28.06	0.13	57.23
Colorado	Denver	Qwest	48.31	29.21	0.11	59.05
Connecticut	Ansonia	SBC	47.11	29.33	0.18	79.50
Connecticut	Norwalk	SBC	44.17	29.33	0.18	79.50
District of Columbia	Washington	Verizon		22.08	0.08	99.49
Florida	Miami	BellSouth	44.70	40.97	0.06	64.58
Florida	Tampa	Verizon	45.17	35.32	0.10	81.30
Florida	West Palm Beach	BellSouth	43.13	39.01	0.06	64.42
Georgia	Albany	BellSouth	46.47	39.55	0.12	58.25
Georgia	Atlanta	BellSouth	64.22			58.25
Hawaii	Honolulu	Verizon	51.52			53.91
Illinois	Chicago	SBC		12.88	0.10	58.42
Illinois	Decatur	SBC		20.46	0.10	57.98
Illinois	Rock Island	SBC		20.16	0.10	57.98
Indiana	Indianapolis	SBC	50.22	37.51	0.16	59.00
Indiana	Terre Haute	Verizon	41.47			71.40
Iowa	Fort Dodge	Frontier	29.78			21.81
Kentucky	Louisville	BellSouth	45.60			77.38
Louisiana	Baton Rouge	BellSouth	46.00	42.49	0.05	91.93
Louisiana	New Orleans	BellSouth	43.59	40.44	0.06	87.55
Maine	Portland	Verizon	46.38			60.48
Maryland	Baltimore	Verizon		24.52	0.09	115.29
Massachusetts	Boston	Verizon		26.22	0.12	100.46
Massachusetts	Hyannis	Verizon	55.13	26.22	0.12	100.46
Massachusetts	Springfield	Verizon		26.22	0.12	100.46
Michigan	Detroit	SBC		24.54	0.09	46.90
Michigan	Grand Rapids	SBC		22.86	0.09	44.78
Michigan	Saginaw	SBC		26.36	0.09	44.78
Minnesota	Detroit Lakes	Qwest	44.26	29.70	0.10	51.01
Minnesota	Minneapolis	Qwest	54.01	39.29	0.10	51.25
Mississippi	Pascagoula	BellSouth	50.71	43.33	0.09	71.69
Missouri	Kansas City	SBC	51.85	28.02	0.08	61.38
Missouri	Mexico	SBC	36.95	26.17	0.08	59.45
Missouri	St. Louis	SBC	51.34	28.67	0.08	62.56
Montana	Butte	Qwest	44.39	29.35	0.05	61.25
Nebraska	Grand Island	Qwest	40.06	29.41	0.10	51.28
New Jersey	Phillipsburg	Verizon		22.89	0.07	87.50

State		Telephone	Includ	ly Telephone Rate ling Touch-Tone, aarges, and Taxes	Cost of a Five-Minute Same-Zone	Connection Charges Including Touch-Tone,	
	City	Company	Flat-Rate Service	Measured/Message Service	Daytime Call	Surcharges, and Taxes	
New Mexico	Alamogordo	Owest	47.57	29.92	0.15	57.70	
New York	Binghamton	Verizon		30.58	0.10	120.90	
New York	Buffalo	Verizon		29.44	0.10	121.00	
New York	Massena	Verizon		28.70	0.10	119.94	
New York	New York City	Verizon		30.08	0.10	121.27	
New York	Ogdensburg	Verizon		29.47	0.10	123.12	
New York	Rochester	Frontier		20.39	0.09	54.96	
North Carolina	Raleigh	BellSouth	53.63	20.07	0.07	68.90	
North Carolina	Rockingham	BellSouth	44.17			68.90	
Ohio	Canton	Ameritech		38.19	0.08	62.85	
Ohio	Cincinnati	Cincinnati Bell	53.79	37.31	0.15	49.75	
Ohio	Cleveland	SBC	55.17	33.71	0.08	62.85	
Ohio	Columbus	SBC		33.33	0.08	62.85	
Ohio	Toledo	SBC		35.69	0.08	62.85	
Oregon	Corvallis	Owest	37.49	28.51	0.08	33.79	
Oregon	Portland	Owest	37.49	28.50	0.15	33.79	
Pennsylvania	Allentown	Verizon	37.40	33.06	0.13	81.75	
Pennsylvania	Ellwood City	Verizon		35.79	0.07	81.75	
Pennsylvania	Johnstown	Verizon		24.05	0.15	62.24	
	New Castle			35.79	0.13	81.75	
Pennsylvania		Verizon		27.59	0.07	81.75 82.50	
Pennsylvania	Philadelphia	Verizon		27.59	0.07	82.50 82.50	
Pennsylvania	Pittsburgh	Verizon			0.07		
Pennsylvania	Scranton	Verizon		33.06		81.75	
Rhode Island	Providence	Verizon	41.54	31.01	0.02	49.07	
South Carolina	Beaufort	Sprint	41.54	28.00	0.12	35.60	
Tennessee	Memphis	BellSouth	56.40	42.15	0.12	67.64	
Tennessee	Nashville	BellSouth	54.56	41.08	0.12	64.06	
Texas	Brownsville	SBC	36.50	27.59	0.08	62.22	
Texas	Corpus Christi	SBC	39.16	30.25	0.08	62.00	
Texas	Dallas	SBC	51.97	40.54	0.08	62.22	
Texas	Fort Worth	SBC	44.72	34.38	0.08	62.22	
Texas	Houston	SBC	47.80	36.48	0.08	62.22	
Texas	San Antonio	SBC	39.69	30.09	0.08	62.00	
Utah	Logan	Qwest	30.09	27.11	0.08	55.78	
Virginia	Richmond	Verizon	78.58	28.67	0.19	84.42	
Virginia	Smithfield	Verizon	52.87	38.61	0.16	47.20	
Washington	Everett	Verizon	43.83	29.94	0.02	75.85	
Washington	Seattle	Qwest	40.18	30.32	0.07	55.55	
West Virginia	Huntington	Verizon	65.32	33.29	0.16	82.97	
Wisconsin	Milwaukee	SBC		23.94	0.09	68.27	
Wisconsin	Racine	SBC		24.20	0.09	67.95	

Table 1.10Telephone Rates in the Sample Cities for a Business with a Single Line - Continued
(As of October 15, 2004)

Table 1.11Monthly Telephone Rates in the Sample Cities for a Business with a Single Line 1(As of October 15)

State	City	1994	1995	1996	1997	1998	1999	2000	2002	2003 ²	2004 ³
Alabama	Huntsville	\$60.55	\$56.15	\$53.46	\$50.90	\$48.40	\$45.97	\$46.91	\$48.97	\$49.86	\$49.59
Alaska	Anchorage	31.04	31.05	31.05	31.08	31.12	31.11	31.11	35.57	35.68	35.68
Arizona	Tucson	40.72	41.73	41.71	42.00	42.00	42.01	42.68	44.17	43.27	42.54
Arkansas	Pine Bluff	41.10	40.91	41.05	41.13	41.13	41.39	42.53	45.51	45.70	47.10
Arkansas	West Memphis	53.30	53.70	53.85	53.03	53.80	54.14	55.06	58.66	58.61	58.67
California	Anaheim	29.10	30.43	30.65	30.25	30.28	28.34	27.20	18.92	19.00	18.47
California	Bakersfield	29.15	31.06	31.29	30.64	30.92	28.23	27.20	18.92	17.72	18.28
California	Fresno	29.97	31.06	31.29	31.10	30.92	28.11	27.78	19.49	17.72	30.27
California	Long Beach	36.92	43.95	43.84	40.67	43.84	43.84	44.81	43.22	46.67	46.75
California	Los Angeles	31.38	33.36	33.60	31.75	33.16	30.24	30.55	18.92	17.72	30.27
California	Oakland	30.67	32.63	32.86	NA	32.45	29.58	29.24	18.92	17.72	30.27
California	Salinas	31.00	32.97	33.21	31.10	32.79	29.94	29.54	18.82	17.72	30.27
California	San Bernadino	36.41	43.35	43.25	43.29	43.25	43.25	44.20	43.20	47.43	47.24
California	San Diego	28.54	30.43	30.65	30.56	30.30	27.62	27.20	18.92	17.72	30.27
California	San Francisco	31.18	32.63	33.38	33.29	32.45	29.58	29.24	18.92	17.72	30.27
California	San Jose	29.96	31.90	32.13	32.02	31.33	28.93	28.56	18.92	17.72	30.27
Colorado	Boulder	46.88	47.16	47.15	47.03	46.94	45.52	46.25	51.01	51.75	51.27
Colorado	Colorado Springs	44.27	43.82	44.42	44.42	44.40	42.87	43.51	45.89	46.41	46.04
Colorado	Denver	46.69	46.68	46.65	46.59	46.57	45.22	45.89	48.48	49.00	48.31
Connecticut	Ansonia	40.76	43.70	43.70	43.70	43.65	44.39	45.67	47.38	47.30	47.11
Connecticut	Norwalk	37.91	40.86	40.86	40.86	40.70	41.46	42.72	44.47	44.36	44.17
District of Columbia	Washington	35.32	33.37	39.17	37.84	34.85	35.81	36.34	36.18	39.16	39.08
Florida	Miami	40.65	40.65	40.67	40.13	37.40	40.64	41.63	43.86	44.75	44.70
Florida	Tampa	37.66	37.87	41.09	41.09	41.18	41.18	42.21	44.98	45.39	45.17
Florida	West Palm Beach	39.47	37.39	38.13	38.67	40.66	37.38	38.60	41.76	42.57	43.13
Georgia	Albany	39.74	39.74	41.00	41.00	41.15	41.70	42.98	45.16	46.80	46.47
Georgia	Atlanta	53.64	58.82	58.87	58.87	58.81	58.81	60.25	62.60	64.84	64.22
Hawaii	Honolulu	42.74	44.39	46.09	47.32	47.32	47.32	48.20	49.63	51.85	51.52
Illinois	Chicago	34.12	32.12	31.91	31.91	33.74	35.12	36.12	33.08	33.23	32.88
Illinois	Decatur	38.01	35.96	35.71	35.15	40.17	42.49	43.49	40.50	20.81	40.46
Illinois	Rock Island	38.64	36.58	36.58	35.77	40.79	42.02	43.08	40.24	40.51	40.16
Indiana	Indianapolis	57.46	56.78	55.84	55.84	55.84	56.07	57.27	59.03	54.51	50.22
Indiana	Terre Haute	47.07	47.07	47.03	47.03	43.91	43.91	37.99	41.96	41.46	41.47
Iowa	Fort Dodge	22.44	22.44	22.44	22.44	25.95	25.34	26.26	28.81	29.25	29.78
Kentucky	Louisville	60.96	61.01	55.87	56.84	45.27	45.33	48.75	45.12	45.80	45.60
Louisiana	Baton Rouge	48.55	49.50	47.76	46.12	45.40	41.53	42.43	45.72	47.26	46.00
Louisiana	New Orleans	50.21	50.21	46.30	46.34	45.64	41.30	42.22	43.31	43.96	43.59
Maine	Portland	40.54	38.63	38.82	39.75	41.33	43.06	43.78	48.37	49.12	46.38
Maryland	Baltimore	43.57	43.57	43.57	43.60	43.16	43.12	44.14	41.28	42.69	42.52
Massachusetts	Boston	43.22	42.78	42.78	42.78	42.78	42.78	42.99	42.67	47.00	50.22
Massachusetts	Hyannis	46.92	46.92	46.92	48.38	48.38	48.38	47.72	42.67	47.00	55.13
Massachusetts	Springfield	43.22	38.89	38.89	38.89	38.89	38.89	39.31	42.67	47.00	50.22
Michigan	Detroit	37.02	37.81	40.89	40.89	38.32	40.68	43.28	42.49	42.46	42.54
Michigan	Grand Rapids	35.29	36.02	35.81	35.88	36.66	37.57	39.97	41.18	41.12	40.86
Michigan	Saginaw	35.11	36.59	37.95	39.14	37.46	38.35	40.71	44.92	44.61	44.36
Minnesota	Detroit Lakes	42.35	42.41	42.41	42.28	42.28	42.29	43.22	44.97	44.98	44.26
Minnesota	Minneapolis	54.91	54.98	54.98	54.85	54.85	52.05	52.99	54.71	54.72	54.01
Mississippi	Pascagoula	57.33	57.33	57.41	56.16	55.88	55.88	54.51	50.20	50.85	50.71
Missouri	Kansas City	46.02	45.57	45.57	45.15	45.15	45.34	46.37	49.29	48.48	51.85
Missouri	Mexico	32.28	36.13	36.13	36.29	36.29	36.29	37.64	37.10	37.46	36.95
Missouri	St. Louis	46.02	45.15	45.15	45.10	45.10	45.40	46.64	49.81	49.90	51.34
Montana	Butte	43.82	43.82	43.82	44.07	45.36	42.29	41.84	44.62	44.91	44.39
Nebraska	Grand Island	47.87	47.84	47.79	47.79	47.57	49.51	44.78	40.91	40.65	40.06
New Jersey	Phillipsburg	27.58	27.58	26.65	26.51	27.86	27.86	28.79	30.48	30.85	31.64

Table 1.11Monthly Telephone Rates in the Sample Cities for a Business with a Single Line - Continued 1(As of October 15)

State	City	1994	1995	1996	1997	1998	1999	2000	2002	2003 ²	2004 ³
New Mexico	Alamogordo	55.84	56.03	56.20	56.37	56.37	50.20	44.55	47.53	48.03	47.57
New York	Binghamton	51.24	49.77	49.68	48.07	45.44	48.03	47.91	48.56	49.01	50.58
New York	Buffalo	50.80	50.58	50.49	49.12	49.08	48.82	48.69	48.06	49.51	49.44
New York	Massena	49.67	49.46	49.37	49.09	49.05	47.74	47.61	45.57	48.84	48.70
New York	New York	51.13	50.92	50.73	50.07	48.03	49.05	48.91	48.56	50.22	50.08
New York	Ogdensburg	51.07	50.85	50.76	49.78	47.74	49.08	48.95	48.31	49.62	49.47
New York	Rochester	49.84	48.28	48.28	48.86	48.82	44.30	44.77	38.59	38.62	38.59
North Carolina	Raleigh	41.76	41.53	40.74	39.94	39.96	39.96	40.86	42.59	45.16	53.63
North Carolina	Rockingham	36.42	36.11	35.32	34.52	34.52	34.52	36.08	41.31	44.23	44.17
Ohio	Canton	44.48	44.22	44.22	44.22	43.11	43.96	44.84	46.31	46.53	48.35
Ohio	Cincinnati	53.19	52.99	52.99	51.88	51.37	51.73	55.48	53.94	54.16	53.79
Ohio	Cleveland	44.48	43.19	42.16	43.38	40.23	40.20	40.20	41.71	41.79	43.87
Ohio	Columbus	44.48	43.19	42.16	42.16	40.23	40.20	40.20	41.68	41.79	43.49
Ohio	Toledo	44.48	44.22	44.22	42.16	42.29	41.23	42.11	43.74	43.85	45.85
Oregon	Corvallis	39.69	36.99	39.56	39.58	39.83	39.97	38.11	39.55	37.86	37.49
Oregon	Portland	46.18	42.79	42.29	42.04	42.00	42.00	42.88	41.86	38.85	37.48
Pennsylvania	Allentown	35.98	37.34	37.34	36.53	37.26	37.26	38.15	45.34	47.21	47.06
Pennsylvania	Ellwood City	36.52	36.52	38.81	39.99	39.99	39.99	40.88	47.92	49.94	49.79
Pennsylvania	Johnstown	37.70	37.37	37.72	37.26	40.01	40.01	40.94	32.69	38.31	38.05
Pennsylvania	New Castle	38.81	38.81	38.81	38.53	39.99	39.99	40.88	47.92	31.41	49.79
Pennsylvania	Philadelphia	30.63	30.63	28.55	29.99	31.53	31.53	32.42	39.94	41.49	41.59
Pennsylvania	Pittsburgh	30.63	31.72	31.72	31.72	31.53	34.26	35.15	39.94	41.75	41.59
Pennsylvania	Scranton	35.98	35.98	37.34	37.26	37.26	37.26	38.15	45.34	47.21	47.06
Rhode Island	Providence	48.44	48.44	47.82	47.82	47.16	70.51	71.44	70.03	35.17	35.01
South Carolina	Beaufort	38.69	38.04	38.04	38.04	38.69	38.69	39.60	42.30	42.19	41.54
Tennessee	Memphis	54.70	54.70	54.95	54.95	54.95	54.69	55.71	55.12	55.77	56.40
Tennessee	Nashville	52.35	52.35	52.35	52.35	53.77	53.52	54.47	53.58	54.77	54.56
Texas	Brownsville	29.23	31.23	31.23	33.82	35.26	31.44	33.83	36.37	35.94	36.50
Texas	Corpus Christi	31.90	31.82	31.85	31.01	30.95	29.92	31.16	37.96	39.23	39.16
Texas	Dallas	38.66	38.65	38.49	33.35	34.54	38.59	39.11	45.70	50.01	51.97
Texas	Fort Worth	34.44	34.50	34.27	37.51	38.81	34.83	37.25	38.47	42.69	44.72
Texas	Houston	41.27	41.37	40.35	39.48	42.85	42.85	39.87	49.45	47.76	47.80
Texas	San Antonio	34.19	34.14	33.86	30.95	30.95	31.56	33.12	39.00	39.81	39.69
Utah	Logan	31.88	31.93	30.22	30.14	28.46	27.82	29.56	32.12	31.37	30.09
Virginia	Richmond	75.06	75.06	72.53	72.53	NA	74.56	77.97	78.63	78.74	78.58
Virginia	Smithfield	30.08	30.08	30.08	29.98	29.98	29.98	30.94	50.23	52.89	52.87
Washington	Everett	39.98	39.98	39.98	39.98	39.98	41.37	42.31	43.98	44.05	43.83
Washington	Seattle	37.03	37.03	37.03	37.19	36.47	36.47	37.42	40.82	40.92	40.18
West Virginia	Huntington	73.39	73.39	75.05	73.03	72.02	72.02	67.31	60.60	60.90	65.32
Wisconsin	Milwaukee	37.48	37.48	37.51	39.69	39.69	40.80	41.15	41.04	40.84	41.94
Wisconsin	Racine	39.40	39.12	39.16	39.53	39.52	40.63	40.97	41.91	40.82	42.20

¹ Rates are based upon flat-rate service where available and measured/message service with 200 five-minute, same-zone, business day calls.

² Revised.

³ Subject to revision.

State City 1994 1997 1998 1997 1998 1999 2001 2002 2003 ² 2004 ³ Alabana Anchorage \$715 \$573 \$59.00 \$69.83 \$71.64 72.23 73.16 71.10 \$91.00 \$93.00 \$13.40 \$10.13 \$10.00 \$10.13 \$10.00 </th <th></th> <th></th> <th></th> <th>(115)</th> <th></th> <th><i>bei 10j</i></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>				(115)		<i>bei 10j</i>						
Alaska Anchorage 30.75 30.75 30.75 53.00 53.00 63.00 63.00 65.70 65.70 65.70 Arkanasa Pine Bluff 93.44 92.44 92.37 93.19 93.22 93.43	State	City	1994	1995	1996	1997	1998	1999	2001	2002	2003 ²	2004 ³
	Alabama	Huntsville	\$73.62	\$73.62	\$69.00	\$69.00	\$69.00	\$69.00	\$69.00	\$69.00	\$69.00	69.00
Arkansas Pine Bluff 93.49 93.27 93.19 93.22 93.43	Alaska	Anchorage	30.75	30.75	30.75	30.75		53.00	53.00	65.70	65.70	56.50
Arkansas West Memphis 93 60 94.51 94.51 94.61 94.30 94.55	Arizona	Tucson	62.31	62.47	58.91	58.91	58.91	60.03	61.48	53.80	47.30	47.30
California Anabeim 69 87 71.64 72.23 73.16 71.10 71.10 66.10 72.92	Arkansas	Pine Bluff	93.44	92.94	93.27	93.19	93.22	93.43			93.43	93.43
California Bakersfield 69 87 71.64 72.23 73.16 71.10 69.80 66.10 72.92	Arkansas	West Memphis	93.60	94.24	94.51	94.61	94.30	94.55	94.55	94.55	94.55	94.55
	California	Anaheim	69.87	71.64	72.23	73.16		71.10	66.10	72.92	72.92	72.92
California Long Beach 80.20 84.33 92.51 72.50 72.50 72.50 72.50 72.50 72.50 72.50 72.50	California	Bakersfield	69.87	71.64	72.23	73.16	71.10	69.80	66.10	72.92		72.92
Catifornia Los Angeles (987) 71.64 72.23 73.16 71.10 (980) 66.10 73.93 73.93 72.92 California Salmas (987) 71.64 72.23 73.16 71.10 (980) 66.10 72.92 <td>California</td> <td>Fresno</td> <td>69.87</td> <td>71.64</td> <td>72.23</td> <td>73.16</td> <td>71.10</td> <td>69.80</td> <td>66.10</td> <td>72.92</td> <td>72.92</td> <td>72.83</td>	California	Fresno	69.87	71.64	72.23	73.16	71.10	69.80	66.10	72.92	72.92	72.83
California Oakland 69.87 71.64 72.23 73.16 71.10 69.80 66.10 72.92	California	Long Beach	80.20	84.33	92.51	92.51	92.51	92.51	92.40	93.30	101.34	101.34
California Salinas 69.87 71.64 72.23 73.16 71.10 69.80 66.10 72.92 72.92 72.92 California San Diego 69.87 71.64 72.23 73.16 71.10 69.80 66.10 72.92	California	Los Angeles	69.87	71.64		73.16		69.80	66.10			
California San Bergo 69.20 84.33 91.25 91.25 91.25 91.31 92.03 100.07 100.07 California San Diego 69.87 71.64 72.23 73.16 71.10 69.80 66.10 72.92 72.90 75.00 75.00 75.00 75.00 75.00 75.00 75.00 75.00 75.00 75.00 75.00 75.00 75.00 75.01 75.01<	California	Oakland	69.87	71.64	72.23	73.16	71.10	69.80	66.10	72.92	72.92	72.92
California San Diego 69.87 71.64 72.23 73.16 71.10 69.80 66.10 72.92 72.92 72.92 California San Jose 69.87 71.64 72.23 73.16 71.10 69.80 66.10 72.92 72.92 72.92 Colorado Boulder Springs 72.80 72.80 72.80 72.80 72.80 58.97 57.67 56.11 57.23 57.50 79.50	California	Salinas	69.87	71.64	72.23	73.16	71.10	69.80	66.10	72.92	72.92	72.92
California San Frañesco 69.87 71.64 72.23 73.16 71.10 69.80 66.10 72.92 72.92 72.92 California San Jose 69.87 71.64 72.23 73.16 71.10 69.80 66.10 72.92 72.92 72.92 Colorado Colorado Springs 72.80 72.80 72.80 72.80 72.80 58.97 57.67 56.11 57.23 57.23 Colorado Denver 75.11	California	San Bernadino	80.20	84.33	91.25	91.25		91.25	91.13	92.03	100.07	100.07
California San Jose 69.87 71.64 72.23 73.16 71.10 69.80 66.10 72.92 72.92 72.92 72.92 72.90 72.80 72.50 72.50 72.50 72.50 72.50 72.50 72.50 72.50 72.50 72.50 72.50 72.50 72.50 72.50 72.50	California		69.87	71.64	72.23	73.16	71.10	69.80	66.10	72.92		72.92
California San Jose 69.87 71.64 72.23 73.16 71.10 69.80 66.10 72.92 72.92 72.92 72.92 72.90 72.80 72.80 72.80 72.80 72.80 72.80 72.80 72.80 72.80 72.80 58.97 57.67 56.11 57.23 57.23 Colorado Denver 75.11 75.11 75.11 75.11 75.11 75.11 68.90 68.90 68.90 68.90 68.90 68.90 79.50 79.40 74.07 74.07 74.07	California	San Francisco	69.87	71.64	72.23	73.16	71.10	69.80	66.10	72.92	72.92	72.92
Colorado Colorado Springs 72.80 72.80 72.80 72.80 72.80 72.80 57.67 56.11 57.23 57.23 Colorado Denver 75.11 75.11 75.11 75.11 75.11 66.84 59.45 59.05 59.05 59.05 Connecticut Norwalk 68.90 64.33 64.23 64.43 64.23 64.18 64.42 64.23 64.18 64.12 64.92 58.2	California		69.87	71.64	72.23	73.16	71.10	69.80	66.10	72.92	72.92	72.92
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District of Columbia Washington 66.03 66.03 83.25 83.25 83.25 83.25 83.25 83.25 99.49 99.49 Florida Tampa 78.89 78.89 76.07 74.0	Connecticut	Ansonia	68.90	68.90	68.90	68.90	68.90	68.90	68.90	79.50	79.50	
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	New Jersey	Phillipsburg	79.50	79.50	80.27	80.27	80.27	80.27	85.09	85.09	87.50	87.50

Table 1.12Connection Charges for a Single Business Line in the Sample Cities 1(As of October 15)

State	City	1994	1995	1996	1997	1998	1999	2001	2002	2003 ²	2004 ³
New Mexico	Alamogordo	57.46	57.47	57.29	57.29	57.29	57.29	57.53	57.57	57.57	57.70
New York	Binghamton	120.48	120.92	120.68	120.46	122.51	120.34	118.64	117.72	120.90	120.90
New York	Buffalo	123.65	123.08	122.85	122.62	123.00	122.51	120.64	117.82	121.00	121.00
New York	Massena	120.77	120.20	119.98	119.75	123.10	119.64	128.76	116.76	119.94	119.94
New York	New York	124.53	123.95	123.45	123.22	120.34	123.10	120.45	118.09	121.27	121.27
New York	Ogdensburg	124.17	123.58	123.35	123.12	119.64	123.00	121.15	119.94	123.12	123.12
New York	Rochester	57.16	55.56	55.56	55.56	57.27	57.27	56.48	54.96	54.96	54.96
North Carolina	Raleigh	64.38	64.38	64.38	66.95	66.95	66.95	66.95	68.90	68.90	68.90
North Carolina	Rockingham	64.38	64.38	64.38	66.95	66.95	66.95	66.95	68.90	68.90	68.90
Ohio	Canton	72.15	62.85	62.85	62.85	62.85	62.85	62.85	62.85	62.85	62.85
Ohio	Cincinnati	55.78	55.78	55.78	55.78	49.75	49.75	49.75	49.75	49.75	49.75
Ohio	Cleveland	72.15	62.85	62.85	62.85	62.85	62.85	62.85	62.85	62.85	62.85
Ohio	Columbus	72.15	62.85	62.85	62.85	62.85	62.85	62.85	62.85	62.85	62.85
Ohio	Toledo	72.15	62.85	62.85	62.85	62.85	62.85	62.85	62.85	62.85	62.85
Oregon	Corvallis	31.00	31.00	31.93	31.93	31.93	31.93	32.86	33.60	33.64	33.79
Oregon	Portland	31.00	31.00	31.00	31.93	31.93	31.93	32.86	33.64	33.64	33.79
Pennsylvania	Allentown	79.50	79.50	79.50	79.50	79.50	79.50	79.50	79.50	81.75	81.75
Pennsylvania	Ellwood City	79.50	79.50	79.50	79.50	79.50	79.50	79.50	79.50	81.75	81.75
Pennsylvania	Johnstown	60.44	60.44	60.44	60.44	60.44	60.44	60.44	78.43	62.24	62.24
Pennsylvania	New Castle	79.50	79.50	79.50	79.50	79.50	79.50	79.50	79.50	81.75	81.75
Pennsylvania	Philadelphia	79.50	79.50	79.50	79.50	79.50	79.50	79.50	79.50	82.50	82.50
Pennsylvania	Pittsburgh	79.50	79.50	79.50	79.50	79.50	79.50	79.50	79.50	82.50	82.50
Pennsylvania	Scranton	79.50	79.50	79.50	79.50	79.50	79.50	79.50	79.50	81.75	81.75
Rhode Island	Providence	46.50	46.50	46.50	46.50	47.73	47.73	47.73	47.73	49.12	49.07
South Carolina	Beaufort	35.60	35.60	35.60	35.60	35.60	35.60	35.60	35.60	35.60	35.60
Tennessee	Memphis	66.80	66.80	67.12	67.12	63.62	66.82	66.65	67.33	67.64	67.64
Tennessee	Nashville	63.62	63.62	63.62	63.62	68.37	63.33	63.33	63.47	64.06	64.06
Texas	Brownsville	64.57	69.00	69.00	68.99	69.45	69.45	69.45	62.22	62.22	62.22
Texas	Corpus Christi	69.45	69.29	69.34	70.72	64.27	64.35	64.35	62.00	62.00	62.00
Texas	Dallas	70.91	70.91	70.61	68.82	64.57	70.80	70.80	62.22	62.22	62.22
Texas	Fort Worth	70.09	70.21	69.75	67.87	70.28	70.87	70.87	62.22	62.22	62.22
Texas	Houston	70.89	70.93	69.18	70.32	71.20	64.57	64.57	62.22	62.22	62.22
Texas	San Antonio	69.45	69.34	68.78	68.78	70.72	64.27	64.27	62.00	62.00	62.00
Utah	Logan	53.06	53.06	53.06	53.00	53.00	53.66	53.30	53.36	53.36	55.78
Virginia	Richmond	64.00	64.00	64.00	64.00	64.00	64.00	64.00	64.00	84.42	84.42
Virginia	Smithfield	29.25	29.25	29.25	29.25	29.25	40.00	40.00	40.00	47.20	47.20
Washington	Everett	57.19	57.19	70.67	70.67	70.67	70.67	70.67	70.67	75.85	75.85
Washington	Seattle	55.25	55.25	55.25	55.45	55.45	55.45	55.29	55.55	55.55	55.55
West Virginia	Huntington	96.90	96.90	96.90	96.90	79.00	79.00	79.00	79.00	82.97	82.97
Wisconsin	Milwaukee	68.21	68.21	68.27	68.27	67.95	68.27	68.27	68.27	68.27	68.27
Wisconsin	Racine	68.21	67.88	67.95	67.95	72.60	67.95	67.95	67.95	67.95	67.95

Table 1.12Connection Charges for a Single Business Line in the Sample Cities - Continued 1(As of October 15)

¹ Charges include touch-tone charges, surcharges, and taxes.

² Revised figures.

³ Subject to revisision.

	(as of October 15, 2004)	
a.	Maximum Charge	\$34.47
b.	Minimum Charge	\$16.05
c.	Representative Monthly Charge (Weighted Average)	\$24.31
d.	Weighted Standard Deviation (Std Dev)	\$4.95
e.	Average + 2*(Std Dev) (= c + 2d)	\$34.21
f.	Percent to Average (= $[e/c] * 100$)	141%

Table 1.13Standard Deviation Analysis of Residential Rates in the Sample Cities
(as of October 15, 2004)

Table 1.14Historical Standard Deviation Analysis of Residential Rates in the Sample Cities(As of October 15)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003 ¹	2004 ²
Maximum Rate	\$32.68	\$31.63	\$30.62	\$28.65	\$28.78	\$28.27	\$28.75	\$29.72	\$34.75	\$34.95	\$35.56	\$34.47
Minimum Rate	\$12.18	\$12.18	\$13.04	\$13.04	\$13.05	\$13.05	\$13.05	\$13.21	\$15.31	\$15.93	\$16.30	\$16.05
Representative Monthly Rate (Average)	\$19.95	\$19.81	\$20.01	\$19.95	\$19.88	\$19.76	\$19.93	\$20.78	\$22.62	\$24.07	\$24.65	\$24.31
Weighted Standard Deviation (Std Dev)	\$4.23	\$4.28	\$3.41	\$3.28	\$3.35	\$3.24	\$3.46	\$3.57	\$4.20	\$4.32	\$4.90	\$4.95
Average + 2*(Std Dev)	\$28.41	\$28.38	\$26.84	\$26.51	\$26.58	\$26.24	\$26.85	\$27.92	\$31.01	\$32.71	\$34.45	\$34.21
Percentage to Average	142%	143%	134%	133%	134%	133%	135%	134%	137%	136%	140%	141%
Average + 3*(Std Dev)	\$32.65	\$32.66	\$30.25	\$29.78	\$29.93	\$29.4 7	\$30.31	\$31.49	\$35.21	\$37.03	\$39.35	\$39.16
Percentage to Average	164%	165%	151%	149%	151%	149%	152%	152%	156%	154%	160%	161%

¹ Revised figures.

² Subject to revision.

Table 1.15

Average Revenue per Minute for Interstate Toll Service Calls

Year	Revenue per Minute
1992	\$0.15
1993	0.15
1994	0.14
1995	0.12
1996	0.12
1997	0.11
1998	0.11
1999	0.11
2000	0.09
2001	0.08
2002	0.07
2003	0.07

Source: Industry Analysis and Technology Division of the Wireline Competition Bureau *Telecommunications Industry Revenues* (March 2005).

II. Expenditures on Telephone Service

A. Residential Expenditures

The Bureau of Labor Statistics (BLS) conducts surveys of consumer expenditures, in part, to develop weights for the consumer price indices. The surveys collect income, expenditure, and demographic information for "consumer units." Consumer units are often referred to as households, but the definition is not identical to households, as defined by the Census Bureau.¹ For instance, there were approximately 110 million consumer units in 2001, compared with approximately 107.7 million households. BLS uses two types of surveys: diary surveys, where household members record most types of purchases for a few weeks; and interview surveys, where households selected for the interview survey are interviewed in five successive quarters. Tables 2.1 through 2.5 present the annual average total expenditures and telephone expenditures by various demographic classifications.

Prior to 1984, BLS published separate expenditure estimates based on the diary and the interview surveys. At that time, telephone expenditures were collected only through the interview surveys, and average levels of telephone expenditures were published only in the interview summaries. BLS began publishing integrated estimates in 1984, combining information from both types of surveys.

Expenditure data were not collected for rural households for 1980 through 1983. Nationwide expenditure data are available for 1984 through 2002. According to BLS, more than 85 percent of households are in urban areas, and the estimates of telephone expenditures by urban households are similar to estimates for nationwide average telephone expenditures. Nonetheless, 1980 through 1983 data are not completely comparable with subsequent data.

Several changes in the telephone industry make it difficult to interpret changes in the BLS estimates of household expenditures for telephone service. Prior to 1983, most residential telephones were leased from local exchange carriers. As a consequence of the FCC's Computer Inquiry II proceeding, telephone sets were detariffed on January 1, 1984. Existing tariffed equipment became known as "embedded rate base" and much of this equipment was sold "in place" to consumers. Significant amounts of equipment purchases were included on local telephone bills in 1983 and 1984. Telephone bills have not included significant amounts of equipment sales since that time. The remaining Bell System embedded rate base was transferred to AT&T in 1984, but the lease payments were included in local telephone bills into 1987.

The BLS has changed the consumer expenditure survey questionnaires to reflect changes in the equipment market. Beginning in 1982, the survey specifically included telephones and accessories in its list of home furnishings and related household items. Amounts appearing on the telephone bills, however, were included as telephone service until 1986. Thus, the 1983 and 1984 estimates include the sale of the embedded base. The current questionnaire separates equipment sales from other items that appear on telephone bills. The questionnaire does not specifically address payments for leasing telephone equipment, commonly known as customer premises equipment (CPE). CPE lease payments may still be reported as telephone service expenditures.

¹ We also refer to consumer units as "households."

The consumer expenditure survey continues to classify payments for inside wiring maintenance as part of telephone service. This probably accounts for between \$10 to \$20 of average annual household telephone expenditures. Beginning in 1991, consumers have been asked to separately identify cellular telephone payments. The BLS has not yet published a separate estimate for cellular telephone expenditures, but instead continues to include these with other telephone expenditures.

Table 2.6 presents estimates of annual household telecommunications expenditure by the type of service provider. This table is derived from Bill Harvesting® data collected by TNS Telecoms, which provides information on actual usage in the residential telecom market as collected from the actual telecommunications bills of households. TNS Telecoms, a telecommunications market information firm, conducts nationwide surveys and Bill Harvesting® on a quarterly basis from over 120,000 households each year. The company has donated databases to the Commission containing information on residential phone usage.

B. Business Expenditures

One of the few sources of information on expenditures for telecommunications services by businesses is contained in the input-output (I-O) accounts of the U.S. economy. The accounts are created by the Bureau of Economic Analysis from the economic censuses conducted every five years by the Bureau of the Census. The accounts are generally released about five years after the economic censuses. The accounts show the production of commodities (goods and services) by each industry, the use of commodities by each industry, the commodity composition of gross domestic product, and the industry distribution of value added.

Table 2.7 shows the most recent I-O account of the use of communications by U.S. industry. Table 2.8 presents the most recent account of the commodities used by the U.S. communications industry.

C. Additional Sources of Information on Expenditures for Telephone Service

Additional information from the *Consumer Expenditure Survey* is available from the Bureau of Labor Statistics at www.bls.gov/cex/.

TNS Telecoms has donated databases containing information on residential phone usage collected from actual consumer telecommunications bills to the Commission. TNS Telecoms has granted the Commission permission to use these databases for industry research purposes and to publish the industry level results. TNS Telecoms has been monitoring the telecommunications market since 1995 through both the ReQuest® consumer survey and Bill Harvesting® in the residential market and the BusinessWave® business survey in the business market. Table 2.6 comes from these databases. For additional information visit <u>www.tnstelecoms.com</u> or contact them at 1-866-811-TNST or by e- mail at <u>contact@tnstelecoms.com</u>. Their address is 101 Greenwood Ave, Suite 502, Jenkintown, PA 19046.

Additional information on the input-output accounts of the U.S. economy is available from the Bureau of Economic Analysis at <u>www.bea.doc.gov</u> on the Internet.

Concordance between I-O industry codes and 1987 standard industrial classification (SIC) codes can be found in Appendix A of Benchmark Input-Output Accounts for the U.S. Economy, 1997 in *Survey of Current Business*, November, 1997. The U.S. Census Bureau has since replaced the SIC codes with the North American Industry Classification System (NAICS). Information concerning the conversion from 1987 SIC codes to NAICS can be found at <u>www.census.gov/epcd/naics02/</u>.

The Bureau of the Census publishes the *Service Annual Survey* that also provides some estimates of household and business expenditures on telephone service. This information can be found at <u>www.census.gov</u> on the Internet.

Table 2.1Average Annual Household Expendituresby Household Location

					Census I	Region	
	All Households	Urban Households	Rural Households	Northeast	Midwest	South	West
	Households	Households	Total Household E		muwest	South	west
1980	\$16,723	\$16,723		\$17,222	\$16,024	\$16,188	\$17,962
1981	17,558	17,558		17,053	17,324	17,086	19,275
1982	18,071	18,071		16,980	18,143	17,820	19,710
1983 1984	19,692 21,975	19,692 22,729	\$18,217	19,077 21,593	19,580 21,167	19,074 21,587	21,538 24,238
1984	23,490	24,129	20,257	22,808	22,664	23,180	24,238
1986	23,866	24,571	19,677	24,905	22,706	22,545	26,476
1987	24,414	25,063	20,513	25,079	23,021	23,292	27,309
1988 1989	25,892 27,809	26,617 28,584	21,380 23,106	26,348 28,241	24,753 26,062	24,671 26,232	28,830 32,144
1990	28,369	28,989	24,499	28,369	25,919	27,011	32,445
1991	29,614	30,382	24,785	31,026	27,675	28,062	33,131
1992	29,846	30,569	25,347	31,177	28,445	27,750	33,647
1993 1994	30,692 31,731	31,431 32,233	26,296 28,668	31,634 32,549	28,884 30,331	29,247 30,072	34,348 35,318
1994	32,264	32,235	27,160	33,009	31,909	30,072	35,206
1996	33,797	34,502	28,853	34,163	33,025	32,871	35,795
1997	34,819	35,614	29,353	36,070	33,791	32,226	39,037
1998	35,535	36,349	29,813	37,535	34,513	32,958	38,938
1999 2000	37,027 38.045	37,905 38,942	30,831 31,831	38,446 38,902	36,337 39,213	33,328 34,707	42,364 41,328
2000	39,518	40,355	33,681	41,169	39,548	36,285	43,261
2002	40,677	41,600	34,067	42,390	40,601	37,281	44,728
2003	40,817	41,619	35,157	42,162	40,280	37,625	45,381
		House	ehold Expenditure for	r Telephone Serv	vice		
1980	\$325	\$325		\$335	\$303	\$339	\$320
1981 1982	360	360		358 351	353	365 372	366
1982	375 415	375 415		410	364 393	435	426 419
1984	435	450	359	433	407	445	458
1985	455	466	402	459	419	457	500
1986	471	478	425	470	444	477	494
1987 1988	499 537	503 544	475 493	501 524	464 498	505 545	532 585
1989	567	577	505	570	532	572	601
1990	592	599	549	589	547	616	611
1991	618	621	601	621	595	616	647
1992 1993	623 658	629 666	580 606	636 677	589	624 673	646
1993	690	698	642	700	616 663	690	664 713
1995	708	720	633	717	706	714	691
1996	772	779	726	763	753	796	764
1997	809	814	773	785 814	778	839	817
1998 1999	830 849	834 854	801 812	814 846	801 858	858 862	828 822
2000	877	889	790	856	884	891	864
2001	914	927	825	897	914	924	914
2002	957	972	851	952	934	987	936
2003	956 E-mondia	967	875	932	917	1,002	941
1080	<u>^</u>		ne Service as a Perce	*	Â	2.09%	1 790/
1980 1981	1.94% 2.05	1.94% 2.05		1.95% 2.10	1.89% 2.04	2.09% 2.14	1.78% 1.90
1982	2.08	2.03		2.07	2.04	2.09	2.16
1983	2.11	2.11		2.15	2.01	2.28	1.95
1984	1.98	1.98	1.97%	2.01	1.92	2.06	1.89
1985 1986	1.94 1.97	1.93 1.95	1.98 2.16	2.01 1.89	1.85 1.96	1.97 2.12	1.93 1.87
1980	2.04	2.01	2.10	2.02	2.02	2.12	1.95
1988	2.07	2.04	2.31	1.99	2.01	2.21	2.03
1989	2.04	2.02	2.19	2.02	2.04	2.18	1.87
1990 1991	2.09 2.09	2.07 2.04	2.24 2.42	2.08 2.01	2.11 2.15	2.28 2.20	1.88 1.95
1991	2.09	2.04	2.42	2.01 2.04	2.15	2.20	1.95
1993	2.14	2.12	2.30	2.14	2.13	2.30	1.93
1994	2.17	2.16	2.24	2.15	2.18	2.30	2.02
1995	2.19	2.18	2.33	2.17	2.21	2.36	1.96
1996 1997	2.28 2.32	2.26 2.26	2.52 2.77	2.23 2.18	2.28 2.30	2.28 2.60	2.13 2.09
1997	2.32	2.20	2.69	2.18	2.30	2.60	2.09
1999	2.29	2.25	2.63	2.20	2.36	2.59	1.94
2000	2.31	2.28	2.48	2.20	2.25	2.57	2.09
2001 2002	2.31 2.35	2.30 2.34	2.45 2.50	2.18 2.25	2.31 2.30	2.55 2.65	2.11 2.09
2002 2003	2.35	2.34	2.50	2.25	2.30	2.65	2.09
		2.02	=		2.20	2.00	=,

	v	ace and Na	tional Origin	
	By Race White & Other	Black	By Na Hispanic	tional Origin Non-Hispanic
1980	\$17,335		mspanic	Ron-Inspanie
1980	18,169	\$12,016 12,856		
1982	18,693	13,229		
1983	20,567	12,878		
1984	22,847	14,631		
1985 1986	24,399 24,806	15,979 16,203		
1980	25,376	16,324		
1988	27,004	16,670		
1989	28,944	18,343		
1990	29,547	19,130		
1991 1992	30,794 31,158	20,091 19,695		
1992	31,967	20,684		
1994	32,614	22,413	\$26,433	\$32,165
1995	33,737	23,739	26,744	32,729
1996	34,994	24,926	27,868	34,338
1997 1998	36,076 36,848	25,509 25,796	29,333 30,013	35,325 36,044
1999	38,354	27,374	33,105	37,385
2000	39,406	28,152	32,735	38,549
2001	40,968	28,903	34,361	40,009
2002	42,135	30,136	34,742	41,295 41,521
2003	42,451	28,708 Expondituro f	34,575 or Telephone Ser	,
1980	\$321	\$356	or relephone ser	vice
1980	359	370		
1982	368	432		
1983	411	448		
1984	432	462		
1985 1986	454 470	463 478		
1987	498	506		
1988	537	536		
1989	563	603		
1990	588	624		
1991 1992	613 619	657 647		
1993	650	719		
1994	681	756	\$793	\$681
1995	698	782	796	700
1996	757	887	870	763
1997 1998	791 818	945 915	833 811	807 831
1999	837	934	872	847
2000	862	986	889	876
2001	899	1,024	917	914
2002 2003	944 946	1,050 1,027	1,021 968	950 954
		,		ousehold Expenditures
1980	1.85%	2.96%	entage of Total In	busenolu Expenditures
1981	1.98	2.88		
1982	1.97	3.27		
1983	2.00	3.48		
1984 1985	1.89 1.86	3.16 2.90		
1985	1.80	2.90		
1987	1.96	3.10		
1988	1.99	3.22		
1989	1.95 1.99	3.29 3.26		
1990 1991	1.99	3.26		
1992	1.99	3.29		
1993	2.03	3.48		
1994	2.07	3.37	3.00%	2.12%
1995 1996	2.09 2.16	3.29 3.56	2.98 3.12	2.14
1996	2.16	3.56	3.12 2.84	2.22 2.28
1998	2.22	3.55	2.70	2.31
1999	2.18	3.41	2.63	2.27
2000	2.19	3.50	2.72	2.27
2001 2002	2.19 2.24	3.54 3.48	2.67 2.94	2.28 2.30
2002	2.24	3.58	2.80	2.30
L				

Table 2.2 Average Annual Household Expenditures by Race and National Origin

		by Hou	isehold Inc	omê	
Househo	lds Group			n Lowest to 4	Highest Quintile
	1	2 Total Hous	3 sehold Expe	-	5
1980	\$7,746	\$11,452	\$15,370	\$20,143	\$29,717
1981	7,945	11,688	16,099	21,280	31,404
1982	8,080	11,788	16,200	21,444	33,311
1983	8,557	12,504	17,239	23,359	36,936
1984 1985	10,894 11,417	14,337 15,092	19,469 20,374	26,138 27,760	41,825 45,156
1985	11,477	14,639	21,088	28,698	46,242
1987	10,355	15,686	21,708	29,603	46,470
1988	10,893	16,880	23,290	32,084	48,718
1989 1990	12,119	17,616	24,476	34,231	53,093
1990	12,908 13,464	17,924 18,986	24,673 26,144	34,247 36,151	55,411 57,597
1992	12,643	19,257	26,573	36,094	57,981
1993	13,957	19,712	26,603	37,299	59,521
1994	14,356	20,891	28,513	39,033	60,803
1995 1996	14,607	22,126	29,125 30,402	39,395 41,965	62,639
1990	15,896 16,008	22,799 23,558	30,402 31,447	41,905	66,794 66,800
1998	16,630	23,709	31,400	43,811	70,648
1999	16,766	24,850	33,078	46,015	75,080
2000	17,940	26,550	34,716	46,794	75,102
2001	18,883	26,492	35,660	48,772	77,125
2002 2003	19,061 18,492	27,140 26,729	36,881 36,213	50,432 50,468	79,199 81,731
2005		,	,	elephone Sei	
1980	\$202	\$266	\$335	\$365	\$450
1981	235	294	361	415	487
1982	257	314	354	423	506
1983	268	353	386	472	571
1984	295	350 363	430	476	630
1985 1986	311 337	363	449 453	503 526	628 662
1987	335	403	501	547	670
1988	352	441	538	585	727
1989	370	459	564	644	757
1990 1991	402 415	496 532	585 596	647 665	818 834
1991	413	532	621	677	834 844
1993	457	532	652	731	911
1994	455	591	672	761	963
1995	491	599	703	785	968
1996 1997	513 530	641 671	750 794	892 909	1,100 1,142
1998	527	661	801	947	1,194
1999	559	671	825	975	1,227
2000	575	705	860	1,004	1,305
2001	558	727	906 928	1,054	1,343
2002 2003	584 564	741 768	928	1,150 1,142	1,433 1,441
				,	isehold Expenditures
1980	2.61%	2.32%	2.18%	1.81%	1.51%
1981	2.96	2.52	2.24	1.95	1.55
1982	3.18	2.66	2.19	1.97	1.52
1983 1984	3.13 2.71	2.82 2.44	2.24 2.21	2.02 1.82	1.55 1.51
1985	2.72	2.44	2.20	1.81	1.39
1986	2.94	2.62	2.15	1.83	1.43
1987	3.24	2.57	2.31	1.85	1.44
1988 1989	3.23	2.61 2.61	2.31 2.30	1.82	1.49 1.43
1989	3.05 3.11	2.01	2.30	1.88 1.89	1.43
1991	3.08	2.80	2.28	1.84	1.45
1992	3.35	2.77	2.34	1.88	1.46
1993	3.27	2.70	2.45	1.96	1.53
1994 1995	3.17 3.38	2.83 2.71	2.36 2.41	1.95 1.99	1.58 1.55
1995	3.38	2.71	2.41	2.05	1.55
1997	3.24	3.02	2.53	2.09	1.63
1998	3.17	2.79	2.55	2.16	1.69
1999	3.33	2.70	2.49	2.12	1.63
2000 2001	3.21 2.96	2.66 2.74	2.48 2.54	2.15 2.16	1.74 1.74
2001	3.06	2.73	2.52	2.28	1.81
2003	3.05	2.87	2.57	2.26	1.76

 Table 2.3

 Average Annual Household Expenditures

 by Household Income

			Tabl Annual Hou of the Head	sehold Exp			
		, ,	e of the Head				
	Under 25	25-34	35-44	45-54	55-64	65-74	Over 74
1980	\$10,903	\$17,452	\$21,235	\$22,517	\$17,535		
1981 1982	11,309 11,368	18,503 18,814	22,890 23,309	23,385 23,539	17,418 18,449		
1982	11,855	19,708	25,230	25,896	20,585		
1984	13,461	22,294	28,214	28,696	23,401	\$15,842	\$11,122
1985	13,763	23,349	29,604	30,946	24,766	17,938	13,012
1986 1987	14,142 14,368	23,931 24,177	31,219 31,473	32,218 31,708	24,808 25,707	17,506 18,888	12,198 12,230
1988	16,373	25,770	33,077	33,205	25,765	20,120	13,339
1989	16,577	26,683	35,589	36,073	26,617	21,152	15,919
1990 1991	16,518 16,745	28,107 29,280	35,579 36,446	36,996 38,137	29,244 31,945	20,895 22,564	15,448 15,782
1992	17,258	29,554	37,196	37,427	31,704	22,862	17,764
1993	17,468	28,594	37,429	41,020	32,973	23,706	18,530
1994	18,417	30,468	37,565	41,420	33,682	25,059	19,280
1995 1996	18,425 18,384	31,493 33,020	38,397 39,944	42,179 42,722	32,626 36,132	25,277 27,739	18,572 19,603
1997	18,450	34,902	40,413	45,239	35,954	27,792	20,279
1998	19,436	34,779	42,154	45,475	37,329	27,830	20,987
1999 2000	21,725 22,543	36,181 38,945	42,836 45,149	46,538	39,427 39,340	29,911 30,782	22,900 21,908
2000	23,526	39,451	46,908	46,160 47,930	41,462	32,023	23,099
2002	24,229	40,318	48,330	48,748	44,330	32,243	23,759
2003	22,396	40,525	47,175	50,101	44,191	33,629	25,016
		Household	Expenditure	s for Teleph	one Service		
1980	\$248	\$343	\$401	\$415	\$319		
1981 1982	275 266	377 389	433 436	458 484	364 391		
1983	275	439	472	535	421		
1984	292	450	541	558	451	\$341	\$266
1985 1986	323 342	449 485	535 546	576 580	473 483	377 399	298 316
1980	381	504	586	607	521	401	328
1988	417	534	617	669	543	458	338
1989	396	583	640	719	567	486	360
1990 1991	430 471	604 629	682 684	750 803	590 641	476 487	376 376
1992	469	648	698	753	652	502	421
1993	512	687	734	782	707	520	441
1994 1995	570 541	726 744	766 777	819 859	697 723	551 577	445 443
1996	537	838	856	925	814	618	459
1997	550	893	921	952	842	627	458
1998 1999	560 562	888 924	947 950	993 1008	835 869	679 711	494 506
2000	589	924 950	1,018	1,007	909	720	511
2001	629	1,001	1,035	1,072	926	746	551
2002	641	1,032	1,096	1,109	981	794	579
2003	616 Denditures on T	1,001	1,097	1,156	981 Total Hausak	773	572
1980	2.27%	1.97%	1.89%	1.84%	1.82%	ioiu Expenui	tures
1980	2.43	2.04	1.8970	1.96	2.09		
1982	2.34	2.07	1.87	2.06	2.12		
1983	2.32	2.23	1.87	2.07	2.05	2 1 5 0 /	2 200/
1984 1985	2.17 2.35	2.02 1.92	1.92 1.81	1.94 1.86	1.93 1.91	2.15% 2.10	2.39% 2.29
1986	2.42	2.03	1.75	1.80	1.95	2.28	2.59
1987	2.65	2.08	1.86	1.91	2.03	2.12	2.68
1988 1989	2.55 2.39	2.07 2.18	1.87 1.80	2.01 1.99	2.11 1.98	2.28 2.30	2.53 2.26
1989	2.60	2.18	1.80	2.03	2.02	2.30	2.20
1991	2.81	2.15	1.88	2.11	2.01	2.16	2.38
1992	2.72	2.19	1.88	2.01	2.06	2.20	2.37
1993 1994	2.93 3.09	2.40 2.38	1.96 2.04	1.91 1.98	2.14 2.07	2.19 2.20	2.40 2.31
1995	2.94	2.36	2.02	2.04	2.22	2.28	2.39
1996	2.92	2.54	2.14	2.17	2.25	2.23	2.34
1997 1998	2.98 2.88	2.56 2.55	2.28 2.25	2.10 2.18	2.34 2.24	2.26 2.44	2.26 2.35
1998	2.59	2.55	2.23	2.18	2.24	2.44	2.33
2000	2.61	2.44	2.25	2.18	2.31	2.34	2.33
2001	2.67	2.54	2.21 2.27	2.24	2.23	2.33 2.46	2.39
2002 2003	2.65 2.75	2.56 2.47	2.27	2.27 2.31	2.21 2.22	2.46 2.30	2.44 2.29
			2.00	i		2.00	>

By Size of the Household By Size of the Household		
1980	4	Over 4
	28	
1981		
1982		
1983		
1984 \$12,994 \$21,515 \$26,653	\$28,403	
1985 13,954 23,442 28,317 1986 13,733 24,675 28,050	31,408 32,232	
1980 13,755 24,075 28,050 1987 14,693 24,761 28,549	32,753	
1988 15,671 26,350 30,446	34,455	\$32,706
1989 16,814 28,622 32,643	35,803	35,871
1990 17,128 28,851 33,688	37,493	36,279
1991 17,569 30,648 34,389	38,806	38,269
1992 17,797 30,773 34,982 1993 17,999 31,603 35,416	40,658 42,397	38,019 39,981
1995 17,999 51,005 53,410 1994 19,343 33,062 36,732	41,480	40,702
1995 19,389 33,100 37,838	42,819	41,561
1996 20,082 35,559 39,531	43,670	43,217
1997 20,923 36,617 40,926	45,225	43,929
1998 21,483 36,973 41,388 1999 22,404 28,805 42,885	47,020	45,569
1999 22,404 38,895 42,885 2000 23,059 38,627 45,156	49,119 52,032	47,581 49,100
2000 23,039 38,027 43,130 2001 23,507 40,359 45,508	54,395	53,805
2002 24,190 41,797 48,098	54,033	55,501
2003 23,657 43,693 47,406	55,201	52,565
Household Expenditures for Telephor	ne Service	
1980		
1981 1982		
1982		
1984 \$311 \$420 \$494	\$515	
1985 330 458 501	548	
1986 347 470 539	563	
1987 367 489 587 1989 409 527 (01	590	¢(01
1988 409 527 601 1989 423 564 633	626 650	\$681 739
1989 425 504 655 1990 440 582 681	681	769
1991 449 617 693	722	808
1992 470 616 700	722	821
1993 472 656 740	803	854
1994 502 699 774 1995 506 714 815	817	879 894
1995 506 714 815 1996 544 777 921	839 904	894 972
1997 583 789 954	995	1,016
1998 581 839 990	991	1,022
1999 592 847 994	1,050	1,094
2000 607 865 1,031	1,108	1,136
2001 620 905 1,091 2002 624 955 1,160	1,166	1,194
2002 624 955 1,160 2003 623 965 1,161	1,219 1,227	1,262 1,229
		•
Expenditures on Telephone Service as a Percentage of To 1980		
Expenditures on Telephone Service as a Percentage of To 1980 1981		
Expenditures on Telephone Service as a Percentage of To 1980 1981 1982		
Expenditures on Telephone Service as a Percentage of To 1980 1981 1982 1983	1.81%	
Expenditures on Telephone Service as a Percentage of To 1980 1981 1982 1983	1.81% 1.74	
Expenditures on Telephone Service as a Percentage of To 1980 1981 1982 1983 1984 2.39% 1.95% 1.85% 1985 2.36 1.95 1.77 1986 2.53 1.90 1.92	1.74 1.75	
Expenditures on Telephone Service as a Percentage of To 1980 1981 1981 1982 1983 1984 1984 2.39% 1.95% 1985 2.36 1.95 1986 2.53 1.90 1987 2.50 1.97	1.74 1.75 1.80	2 000
Expenditures on Telephone Service as a Percentage of To 1980 1981 1982 1983 1983 1985 1985 2.36 1.95% 1986 2.53 1.90 1987 2.50 1.97 1988 2.61 2.00 1.97	1.74 1.75 1.80 1.82	2.08%
Expenditures on Telephone Service as a Percentage of To 1980 1981 1982 1983 1984 2.39% 1.95% 1985 2.36 1.95 1986 2.53 1.90 1987 2.50 1.97 1988 2.61 2.00 1.97 1989 2.52 1.97 1.94	1.74 1.75 1.80 1.82 1.82	2.06
Expenditures on Telephone Service as a Percentage of To 1980 1981 1982 1983 1983 1985 1985 2.36 1.95% 1986 2.53 1.90 1987 2.50 1.97 1988 2.61 2.00 1.97	1.74 1.75 1.80 1.82	
Expenditures on Telephone Service as a Percentage of To 1980 1981 1982 1983 1983 1.95% 1.85% 1984 2.39% 1.95% 1.85% 1985 2.36 1.95 1.77 1986 2.53 1.90 1.92 1987 2.50 1.97 2.06 1988 2.61 2.00 1.97 1989 2.52 1.97 1.94 1990 2.57 2.02 2.02 1991 2.56 2.01 2.02 1992 2.64 2.00 2.00	$ 1.74 \\ 1.75 \\ 1.80 \\ 1.82 \\ 1.82 \\ 1.82 \\ 1.82 \\ 1.86 \\ 1.78 $	2.06 2.12 2.11 2.16
Expenditures on Telephone Service as a Percentage of To 1980 1981 1982 1983 1984 2.39% 1.95% 1985 2.36 1.95 1986 2.53 1.90 1987 2.50 1.97 1988 2.61 2.00 1990 2.57 2.02 1991 2.56 2.01 2.02 1992 2.64 2.00 2.00 1993 2.62 2.08 2.09	1.74 1.75 1.80 1.82 1.82 1.82 1.82 1.86 1.78 1.89	2.06 2.12 2.11 2.16 2.14
Expenditures on Telephone Service as a Percentage of To 1980 1981 1981 1982 1983 1984 1984 2.39% 1985 2.36 1986 2.53 1987 2.50 1988 2.61 1989 2.52 1990 2.57 1991 2.56 1992 2.64 1993 2.62 1993 2.62 1994 2.60 2.11 2.11	1.74 1.75 1.80 1.82 1.82 1.82 1.82 1.86 1.78 1.89 1.97	2.06 2.12 2.11 2.16 2.14 2.16
Expenditures on Telephone Service as a Percentage of To 1980 1981 1982 1983 1983 1.95% 1.85% 1984 2.39% 1.95% 1.85% 1985 2.36 1.95 1.77 1986 2.53 1.90 1.92 1987 2.50 1.97 2.06 1988 2.61 2.00 1.97 1989 2.52 1.97 1.94 1990 2.57 2.02 2.02 1991 2.56 2.01 2.02 1992 2.64 2.00 2.00 1993 2.62 2.08 2.09 1994 2.60 2.11 2.11 1995 2.61 2.16 2.15	$1.74 \\ 1.75 \\ 1.80 \\ 1.82 \\ 1.82 \\ 1.82 \\ 1.82 \\ 1.86 \\ 1.78 \\ 1.89 \\ 1.97 \\ 1.96$	2.06 2.12 2.11 2.16 2.14 2.16 2.15
Expenditures on Telephone Service as a Percentage of To 1980 1981 1982 1983 1984 2.39% 1.95% 1985 2.36 1.95 1986 2.53 1.90 1987 2.50 1.97 1988 2.61 2.00 1990 2.57 2.02 1991 2.56 2.01 2.02 1992 2.64 2.00 2.00 1993 2.62 2.08 2.09 1994 2.60 2.11 2.11 1995 2.61 2.16 2.15 1996 2.71 2.19 2.33	$1.74 \\ 1.75 \\ 1.80 \\ 1.82 \\ 1.82 \\ 1.82 \\ 1.86 \\ 1.78 \\ 1.89 \\ 1.97 \\ 1.96 \\ 2.07$	2.06 2.12 2.11 2.16 2.14 2.16 2.15 2.25
Expenditures on Telephone Service as a Percentage of To 1980 1981 1982 1983 1983 1.95% 1.85% 1984 2.39% 1.95% 1.85% 1985 2.36 1.95 1.77 1986 2.53 1.90 1.92 1987 2.50 1.97 2.06 1988 2.61 2.00 1.97 1989 2.52 1.97 1.94 1990 2.57 2.02 2.02 1991 2.56 2.01 2.02 1992 2.64 2.00 2.00 1993 2.62 2.08 2.09 1994 2.60 2.11 2.11 1995 2.61 2.16 2.15	$1.74 \\ 1.75 \\ 1.80 \\ 1.82 \\ 1.82 \\ 1.82 \\ 1.82 \\ 1.86 \\ 1.78 \\ 1.89 \\ 1.97 \\ 1.96$	2.06 2.12 2.11 2.16 2.14 2.16 2.15
Expenditures on Telephone Service as a Percentage of To 1980 1981 1982 1983 1984 2.39% 1985 2.36 1987 2.50 1988 2.61 1989 2.52 1989 2.52 1991 2.56 1992 2.64 2.00 2.00 1992 2.64 2.09 1994 1995 2.61 1994 2.60 1995 2.61 2.02 2.00 1991 2.55 2.90 2.00 1992 2.64 2.00 2.00 1995 2.61 2.16 2.15 1996 2.71 2.19 2.33 1997 2.79 2.15 2.33 1998 2.70 2.27 1999 2.64 2.32	$1.74 \\ 1.75 \\ 1.80 \\ 1.82 \\ 1.82 \\ 1.82 \\ 1.86 \\ 1.78 \\ 1.97 \\ 1.96 \\ 2.07 \\ 2.20 \\ 2.11 \\ 2.14$	2.06 2.12 2.11 2.16 2.14 2.16 2.15 2.25 2.31 2.24 2.30
Expenditures on Telephone Service as a Percentage of To 1980 1981 1982 1983 1984 2.39% 1.95% 1985 2.36 1.95 1986 2.53 1.90 1987 2.50 1.97 1988 2.61 2.00 1990 2.57 2.02 1991 2.56 2.01 2.02 1992 2.64 2.00 2.00 1995 2.61 2.16 2.15 1992 2.64 2.00 2.00 1993 2.62 2.08 2.09 1994 2.60 2.11 2.11 1995 2.61 2.16 2.15 1996 2.71 2.19 2.33 1997 2.79 2.15 2.33 1998 2.70 2.27 2.39 1999 2.64 2.18 2.32 2000 2.63 2.24 2.28	$1.74 \\ 1.75 \\ 1.80 \\ 1.82 \\ 1.82 \\ 1.82 \\ 1.86 \\ 1.78 \\ 1.97 \\ 1.96 \\ 2.07 \\ 2.20 \\ 2.11 \\ 2.14 \\ 2.13 $	2.06 2.12 2.11 2.16 2.15 2.25 2.31 2.24 2.30 2.31
Expenditures on Telephone Service as a Percentage of To 1980 1981 1982 1983 1984 2.39% 1985 2.36 1987 2.50 1988 2.61 1989 2.52 1989 2.52 1991 2.56 1992 2.64 2.00 2.00 1992 2.64 2.09 1994 1995 2.61 1994 2.60 1995 2.61 2.02 2.00 1991 2.55 2.90 2.00 1992 2.64 2.00 2.00 1995 2.61 2.16 2.15 1996 2.71 2.19 2.33 1997 2.79 2.15 2.33 1998 2.70 2.27 1999 2.64 2.32	$1.74 \\ 1.75 \\ 1.80 \\ 1.82 \\ 1.82 \\ 1.82 \\ 1.86 \\ 1.78 \\ 1.97 \\ 1.96 \\ 2.07 \\ 2.20 \\ 2.11 \\ 2.14$	2.06 2.12 2.11 2.16 2.14 2.16 2.15 2.25 2.31 2.24 2.30

 Table 2.5

 Average Annual Household Expenditures by Size of the Household

Table 2.6

	Local	Long Distance	Wireless	Total
	Exchange	Carriers	Carriers	Expenditures
1995	\$346	\$250	\$82	\$596
1996	359	250	108	717
1997	379	305	129	813
1998	398	270	164	832
1999	402	257	205	864
2000	416	211	279	906
2001	426	176	351	953
2002	436	149	417	1,001
2003	441	122	492	1,055

Average Annual Household Telecommunications Expenditures by Type of Provider*

Source: Calculated by Industry Analysis and Technology Division staff using survey data from TNS Telecoms *ReQuest Market Monitor*[™], Bill Harvesting[®].

Note: These data are average annual *expenditures* based on sample data for those households with wireline telephone service. These data do *not* reflect average annual *bills*. For example, the average household in the sample spent \$492 for wireless service in 2003. This average was calculated by simply dividing the total wireless expenditures of households in the sample by the total number of households in the sample. Of course, a number of households in the sample did not take wireless service in 2003 and therefore paid nothing. The average annual bill for wireless service for 2003 - averaged over only those households that received a bill - was therefore much higher, about \$740. In addition, these data are only representative of telecommunications revenues from servicing residential *end-users*, and do not reflect any revenues received from servicing business customers or other *carriers*.

* Excludes households in Alaska and Hawaii.

			<u> </u>	
I-O Industry Group	Total Industry	Purchases of	Communications	Communications
	Output (Millions)	Communications	Purchases of Percent	Purchases by Industry
		Except Radio &	of Industry Output	as a Percent of Total
		Television		Communications
		(Millions)		Commodities
1 Livestock and livestock products	\$99,657	\$325	0.33%	0.08%
2 Other Agricutural products	109,658	364	0.33	0.09
3 Forestry and fishery products 4 Agricutlural, forestry, and fishery services	15,667 52,241	15 239	0.10 0.46	0.00 0.06
5 & 6 Metallic ores mining	10.157	38	0.38	0.01
7 Coal mining	21,602	44	0.38	0.01
8 Crude petroleum and natural gas	102,534	233	0.23	0.06
9&10 Nonmetallic minerals mining	16,107	63	0.39	0.02
11 New Construction	745,620	3,115	0.42	0.81
12 Repair and maintenance construction	320,753	1.512	0.47	0.39
13 Ordinance and accessories	16,367	90	0.55	0.02
14 Food and kindred products	494,576	879	0.18	0.23
15 Tobacco manufactures	51,623 42,356	77 72	0.15 0.17	0.02 0.02
16 Broad and narrow fabrics, yarn and thread mills 17 Miscellaneous textile goods and fllor coverings	42,356 22,792	72 74	0.17	0.02
18 Apparel	64,897	166	0.26	0.02
19 Miscellaneous fabricated textile products	29,577	74	0.25	0.02
20 & 21 Lumber and wood products	128,487	240	0.19	0.06
22 & 23 Furniture and fixtures	71,860	254 330	0.35 0.28	0.07 0.09
24 Paper & allied products, except containers 25 Paperboard containers and boxes	118,003 42,615	131	0.28	0.09
26A Newspapers and periodicals	26,219	477	1.82	0.12
26B Other printing & publishing	103,135	587	0.57	0.15
27A Industraial and other chemicals	135,401	335	0.25	0.09
27B Agricultural fertilizers and chemicals 28 Plastics and synthetic materials	21,842 67,270	54 319	0.24 0.47	0.01 0.08
29A Drugs	100,278	379	0.38	0.10
29B Cleaning and toilet preparations	49,832	192	0.39	0.05
30 Paints & allied products	18.803	53	0.28	0.01
31 Petroleum refining and related industries	170,914	254	0.15	0.07
32 Rubber & miscellaneous plastics products	169,957	549	0.32	0.14
33 & 34 Footwear, leather, and leather products	8,341	24	0.29	0.01
35 Glass and glass products 36 Stone and clay products	23,402 72,779	89 229	0.38 0.32	0.02 0.06
37 Primary iron and steel manufacturing	94,889	223	0.23	0.06
38 Primary nonferrous metals manufacturing	85,226	196	0.23	0.05
39 Metal containers	12,933	26	0.20	0.01
40 Heating, plumbing, & structural metal parts	79,497 56,294	248 142	0.31 0.25	0.06 0.04
41 Screw machine products and stampings 42 Other fabricated metal products	82,339	294	0.25	0.04
43 Engines and trubines	28,605	66	0.23	0.03
44 & 45 Farm, construction and mining machinery	51,060	155	0.30	0.04
46 Materials handling machinery and equipment	14,887	55	0.37	0.01
47 Metal working machinery and equipment48 Special industrial machinery and equipment	39,832 34,257	176 173	0.44 0.50	0.05 0.04
48 Special industrial machinery and equipment	40,186	173	0.48	0.04
50 Miscellaneous machinery, except electrical	39,073	120	0.31	0.03
51 Computer and office equipment	104,654	560	0.54	0.15
52 Service industry machinery	39,049	131	0.34	0.03
53 Electrical industrial equipment and apparatus 54 Household appliances	41,404 22,462	180 92	0.43 0.41	0.05 0.02
J- Household appliances	22,402	92	0.41	0.02

Table 2.71999 Use of Communications Commodities by Industry

I-O Industry Group	Total Industry Output (Millions)	Purchases of Communications Except Radio & Television (Millions)	Communications Purchases of Percent of Industry Output	Communications Purchases by Industry as a Percent of Total Communications Commodities	
55 Electric lighting and wiring equipment	26,750	101	0.38	0.03	
56 Audio, video, and communications equipment	99,938	585	0.58	0.15	
57 Electronic components and accessories	150,787	759	0.50	0.20	
58 Miscellaneous electircal machinery and supplies	28,130	83	0.29	0.02	
59A Motor vehicles (passenger cars and trucks)	260,164	335	0.13	0.09	
59B Truck/bus bodies, trailers, and motor vehicle	148,382	317	0.21	0.08	
60 Aircraft parts	127,044	273	0.21	0.07	
61 Other transportation equipment	48,489	119	0.25	0.03	
62 Scientific and controlling instruments	134,192	764	0.57	0.20	
63 Opthalmic and photographic equipment	21,812	154	0.71	0.04	
64 Miscellaneous manufacturing	51,756	197	0.38	0.05	
65A Railroads, and related services	81,841	607	0.74	0.16	
65B Motor freight transportation and warehousing	245,876	3,281	1.33	0.85	
65C Water transportation	40,925	54	0.13	0.01	
65D Air transportation	148,915	1,618	1.09	0.42	
65E Pipelines, freight forwarders and related services	41,670 384,486	1,635 63,517	3.92 16.52	0.43 16.52	
66 Communications, except radio and TV 67 Radio and television broadcasting	5,928	933	15.74	0.24	
67 Radio and television broadcasting 68A Electric services (utilities)	230,976	402	0.17	0.24 0.10	
68B Gas production and distribution (utilities)	101,547	61	0.06	0.10	
68C Water and sanitary services	72,083	563	0.00	0.02	
69A Wholesale trade	883,029	18,481	2.09	4.81	
69B Retail trade	796,357	9,895	1.24	2.57	
70A Finance	761,040	13,090	1.72	3.40	
70B Insurance	356,818	6,791	1.90	1.77	
71A Owner-occupied dwellings	673,525	-	0.00	0.00	
71B Real estate and royalties	855,883	5,761	0.67	1.50	
72A Hotels and lodging places	88,331	1,186	1.34	0.31	
72B Personal and repair services	134,522	1,805	1.34	0.47	
73A Computer and data processing services	419,702	9,237	2.20	2.40	
73B Legal engineering accounting services	397,290	5,375	1.35	1.40	
73C Other businesses and professional services	653,498	9,601	1.47	2.50	
73D Advertising	213,214	586	0.27	0.15	
74 Eating and drinking places	394,950	1,573	0.40	0.41	
75 Automobile repair and services	282,793	2,350	0.83	0.61	
76 Amusements	216,302	1,842	0.85	0.48	
77A Health Services	798,018 345,272	7,865	0.99 1.10	2.05 0.99	
77B Educational and social services 78 Federal government enterprises	79,082	3,805 452	0.57	0.99	
78 Federal government enterprises 79 State and local government enterprises	46,513	432 659	1.42	0.12	
82 General government industry	1,004,347	039	0.00	0.00	
84 Household industry	13,111.00		0.00	0.00	
or noushold industry	15,111.00		0.00	0.00	
Personal consumption expenditures	6,246,517	158,405	2.54		
Gross private fixed investment	1,577,194	9,262	0.59		
Changes in private inventories	59,500		0.00		
Exports	909,737	5,597	0.62		
Imports	-1,159,626	((70	0.00		
Federal government purchases	565,000	6,670	1.18		
State and local government purchases	1,076,000	12,942	1.20		
Gross Domestic Product	25,274,351	192,877	0.76		
Intermediate Use	6,998,244	191,609	2.74		
Total Commodity Output	16,272,567	384,486	2.36		

 Table 2.7

 1999 Use of Communications Commodities by Industry - Continued

 Table 2.8

 1999 Use of Commodities by the Communications Industry

	I-O Industry Group	Total Commodity	Sales to	Percentage of Total	Sales to
		Output (Millions)	Communications Except Radio and	Sales to Communications	Communications Except Radio & TV
			Television Industry	Except Radio &	as Percent of
			(Millions)	Television Industry	Communications
					Industry Output
1	Livestock and livestock products	\$99,657		0.00%	0.00%
2 3	Other Agricutural products Forestry and fishery products	109,658 15,667	\$2	0.00 0.00	0.00 0.00
4	Agricutlural, forestry, and fishery services	52,241	131	0.25	0.00
5&6	Metallic ores mining	10,157		0.00	0.00
7 8	Coal mining	21,602 102,534		0.00	0.00
8 9&10	Crude petroleum and natural gas Nonmetallic minerals mining	16,107		$0.00 \\ 0.00$	0.00 0.00
11	New Construction	745,620		0.00	0.00
12	Repair and maintenance construction	320,753	18,025	5.62	4.62
13 14	Ordinance and accessories Food and kindred products	16,367 494,576		0.00 0.00	0.00 0.00
14	Tobacco manufactures	51,623		0.00	0.00
16	Broad and narrow fabrics, yarn and thread mills	42,356		0.00	0.00
17 18	Miscellaneous textile goods and fllor coverings Apparel	22,792 64,897	$2 \\ 148$	0.01 0.23	0.00 0.04
18	Miscellaneous fabricated textile products	29,577	8	0.23	0.04
20 & 21	Lumber and wood products	128,487	56	0.04	0.01
22 & 23 24	Furniture and fixtures Paper & allied products, except containers	71,860 118,003	370	0.00 0.31	0.00 0.09
24	Paperboard containers and boxes	42,615	191	0.31	0.09
26A	Newspapers and periodicals	26,219	247	0.94	0.06
26B 27A	Other printing & publishing Industraial and other chemicals	103,135 135,401	1,362 22	1.32 0.02	0.35 0.01
27B	Agricultural fertilizers and chemicals	21,842		0.02	0.00
28	Plastics and synthetic materials	67,270		0.00	0.00
29A 29B	Drugs Cleaning and toilet preparations	100,278 49,832	8 36	0.01 0.07	0.00 0.01
30	Paints & allied products	18,803	101	0.54	0.03
31	Petroleum refining and related industries	170,914	356	0.21	0.09
32 33 & 34	Rubber & miscellaneous plastics products	169,957 8,341	901 3	0.53 0.03	0.23 0.00
35 & 34 35	Footwear, leather, and leather products Glass and glass products	23,402	46	0.03	0.00
36	Stone and clay products	72,779		0.00	0.00
37 38	Primary iron and steel manufacturing	94,889 85,226	36	$0.00 \\ 0.04$	0.00 0.01
38 39	Primary nonferrous metals manufacturing Metal containers	85,226	30	0.04	0.01
40	Heating, plumbing, & structural metal parts	79,497		0.00	0.00
41 42	Screw machine products and stampings Other fabricated metal products	56,294 82,339	608 557	1.08 0.68	0.16 0.14
42 43	Engines and trubines	82,539 28,605	557 490	1.71	0.14
44 & 45	Farm, construction and mining machinery	51,060		0.00	0.00
46 47	Materials handling machinery and equipmen Metal working machinery and equipment	14,887 39,832	11	0.00 0.03	0.00 0.00
47	Special industrial machinery and equipmen	39,832 34,257	11	0.03	0.00
49	General industrial machnery and equipmen	40,186	748	1.86	0.19
50 51	Miscellaneous machinery, except electrical Computer and office equipment	39,073 104,654	34 837	0.09 0.80	0.01 0.21
51	Service industry machinery	39,049	837	0.80	0.21
53	Electrical industrial equipment and apparatus	41,404	836	2.02	0.21
54 55	Household appliances	22,462 26,750	197	0.00 0.73	0.00 0.06
55 56	Electric lighting and wiring equipmen	26,750 99,938	5,740	0.73 5.74	0.06
56 57	Audio, video, and communications equipment Electronic components and accessories	150,787	5,740 6,843	5.74 4.54	1.4/ 1.75

 Table 2.8

 1999 Use of Commodities by the Communications Industry - Continued

	I-O Industry Group	Total Commodity Output (Millions)	Sales to Communications	Percentage of Total Sales to	Sales to Communications
		output (minions)	Except Radio and	Communications	Except Radio & TV
			Television Industry	Except Radio &	as Percent of
			•		
			(Millions)	Television Industry	Communications
					Industry Output
58	Miscellaneous electrical machinery and supplies	28,130	358	1.27	0.09
59A	Motor vehicles (passenger cars and trucks)	260,164		0.00	0.00
59B	Truck and bus bodies, trailers, and motor vehicle	148,382	72	0.05	0.02
60	Aircraft parts	127,044		0.00	0.00
61	Other transportation equipment	48,489	20	0.00	0.00
62	Scientific and controlling instruments	134,192	39	0.03	0.01
63 64	Opthalmic and photographic equipment Miscellaneous manufacturing	21,812 51,756	135 212	0.62 0.41	0.03 0.05
65A	Railroads, and related services	81,841	377	0.41	0.05
65B	Motor freight transportation and warehousing	245,876	537	0.46	0.10
65C	Water transportation	40.925	40	0.10	0.01
65D	Air transportation	148,915	1.612	1.08	0.41
65E	Pipelines, freight forwarders and related services	41,670	21	0.05	0.01
66	Communications, except radio and TV	384,486	63,517	16.52	16.28
67	Radio and television broadcasting	5,928	272	4.59	0.07
68A	Electric services (utilities)	230,976	1,323	0.57	0.34
68B	Gas production and distribution (utilities)	101,547	184	0.18	0.05
68C	Water and sanitary services	72,083	478	0.66	0.12
69A	Wholesale trade	883,029	3,570	0.40	0.91
69B	Retail trade	796,357	135	0.02	0.03
70A	Finance	761,040	4,304	0.57	1.10
70B	Insurance	356,818	794	0.22	0.20
71A	Owner-occupied dwellings	673,525	0.016	0.00	0.00
71B	Real estate and royalties	855,883	8,016	0.94	2.05
72A 72B	Hotels and lodging places	88,331 134,522	1,390	1.57 2.25	0.36 0.77
72B 73A	Personal and repair services Computer and data processing services	419,702	3,021 6,835	2.25	1.75
73A 73B	Legal engineering accounting and related services	397,290	15.886	4.00	4.07
73D	Other businesses and professional services	653,498	11,515	4.00	2.95
73D	Advertising	213,214	7.402	3.47	1.90
74	Eating and drinking places	394,950	1.256	0.32	0.32
75	Automobile repair and services	282,793	2,697	0.95	0.69
76	Amusements	216,302	6,044	2.79	1.55
77Å	Health Services	798,018	- , * • • •	0.00	0.00
77B	Educational and social services, and membership	345,272	474	0.14	0.12
78	Federal government enterprises	79,082	1,424	1.80	0.36
79	State and local government enterprises	46,513	148	0.32	0.04
82	General government industry	1,004,347		0.00	0.00
84	Household industry	13,111		0.00	0.00
	Total Sales	16 277 252	200.265	2.40	100.00
	Value Added	16,277,252 9,281,532	390,265 200.065	2.40 2.16	100.00 51.26
L	value Auueu	7,201,332	200,005	2.10	31.20

III. Price Indices

The U.S. Department of Labor's Bureau of Labor Statistics (BLS) calculates telephone service price indices as part of two major programs. The Consumer Price Index (CPI) program publishes indices based on the amount of money that residential customers in urban areas pay for telephone service. The Producer Price Index (PPI) program publishes indices based on the amount of money that companies receive for providing telephone service. Unlike the CPI, the PPI indices cover business as well as residential telephone service.

A. Consumer Price Indices

The Consumer Price Index is the nation's most widely recognized measure of retail price changes. It is published monthly by the BLS, and measures the prices all urban consumers pay for most goods and services. BLS defines urban areas as Metropolitan Statistical Areas (MSAs) and small cities with populations greater than 2500. According to BLS, over 85 percent of the U.S. population lives in urban areas.

The BLS has published an index for telephone services since 1935. In 1978 it began publishing an index for local telephone service, interstate toll service, and intrastate toll service. In 1998 it added an index for cellular telephone services. At that time, the BLS also revised the telephone services index to include information from the cellular index and created an aggregate index by combining the interstate and intrastate toll service indices into an index for long distance services. Telephone service price changes are also included in the CPI index for all goods and services, as well as in other broad indices. According to the BLS, as of the end of December 2004, telephone prices account for roughly 2% of the CPI for all goods and services.¹

Table 3.1 shows the annual changes in the CPI indices since 1980. In addition to showing the nominal changes in telephone prices, the table shows the changes in telephone prices after adjusting for the impact of inflation, as measured by the CPI for all goods and services. Chart 1 illustrates the changes in toll rates since the AT&T divestiture in 1984; since then, rates for both interstate and intrastate toll calls have fallen. Chart 2 adjusts the price indices for interstate and intrastate toll service for the impacts of inflation. Relative to the prices of other goods and services, long distance rates have fallen substantially since the AT&T divestiture in 1984.

Table 3.2 shows three monthly consumer price indices that were first published in 1998. A long distance service index has been created using the existing information collected for the interstate and intrastate toll indices. An index for cellular telephone service has been created and the previous "telephone services" index has been replaced with a new measure that includes the cellular price index. Since the previous index for telephone services did not include cellular services, the two series are not strictly comparable. Users should exercise caution because current price trends in the cellular market deviate significantly from those in the wireline telephony market.

¹ See <u>http://www.bls.gov/cpi/cpiri2004.pdf</u>.

B. Producer Price Indices

The Producer Price Index (PPI) is a statistical series established by the BLS to measure changes in the prices charged by producers. This index, formerly known as the Wholesale Price Index, was first published in 1902. The BLS began publishing indices for telecommunications products in 1972. These indices were wholly redesigned in mid-1995. Consequently, the current indices are not comparable to indices prior to 1995. In addition to 39 current indices of telecommunications products, the BLS publishes overall indices by stage of processing -- finished goods, intermediate goods, and crude materials for further processing.

With the release of data for January 2004, the Producer Price Index program changed its basis for industry classification from the 1987 Standard Industrial Classification (SIC) system to the North American Industry Classification System (NAICS). Developed in cooperation with Canada and Mexico, NAICS represents a profound change for statistical programs focusing on emerging economic activities. The system was developed using a production-oriented conceptual framework, grouping establishments into industries based on the activity in which they are primarily engaged. While many NAICS industries directly compare with SIC industries, a number of SIC industries were split or combined to form a new NAICS industry. The PPI treats the SIC-to-NAIC comparison as continuous if 80 percent or more of the weight of the SIC-based index comprises at least 80 percent of the weight of the NAICS structure using the index base date and price index history established by the SIC-based index. Documentation of the NAICS to SIC concordance for all subsectors, industry groups, and products may be found at <u>http:// www.bls.gov/ppi/ppinaics.htm</u>.²

Since the PPI indexes the prices received by producers, it includes the prices paid by businesses as well as consumers. The PPI does not include taxes or other government surcharges. Additionally, it is subject to substantial fluctuations from month to month and each index is revised four months following its release. Consequently, analysts should use caution when using the PPI to measure short-run trends in telecommunications prices. It is suggested that users consider constructing a three to four month moving average of the series to improve the analysis of trends. Table 3.3 presents the monthly PPI indices for the period since their revision in mid-1995. Certain Producer Price Index categories were discontinued in 1995. These PPIs may be found at http://www.bls.gov.

C. Additional Sources of Information on Price Indices

The BLS maintains current and complete access to all of the price indices at <u>stats.bls.gov</u> on the Internet. Visitors can find documentation on the construction of the indices there as well.

² Several telecommunications PPIs published by the BLS under the SIC classification system are no long published after the conversion to NAICS. These include "Other Local Service" (SIC pcu4813#114), "Other Local Service except Directory Assistance" (SIC pcu4813#11409), "LEC Intrastate Private Line Service" (SIC pcu4813#311), "Directory Advertising" (SIC pcu4813#91), and "Other Telephone Services" (SIC pcu4813#99). In addition, "Directory Assistance" (SIC pcu4813#11401) is now classified as "Other Local Service" (NAICS 517110114) and "Telephone Communications except Radiotelephone" is now referred to as "Wired Telecommunications Carriers".

		Telepho	ne Services		e Telephone Local Charges		Interstate Toll Calls		ntrastate Toll alls		Telephone vices
	All Goods and Services		Inflation Adiusted		Inflation Adiusted		Inflation Adiusted		Inflation Adiusted		Inflation Adiusted
1980	12.5%	4.6%	-7.1%	7.0%	-4.9%	3.4%	-8.1%	-0.6%	-11.6%		
1981	8.9%	11.7%	2.5%	12.6%	3.3%	14.6%	5.2%	6.2%	-2.5%		
1982	3.8%	7.2%	3.3%	10.8%	6.7%	2.6%	-1.2%	4.2%	0.3%		
1983	3.8%	3.6%	-0.2%	3.1%	-0.6%	1.5%	-2.2%	7.4%	3.4%		
1984	3.9%	9.2%	5.1%	17.2%	12.7%	-4.3%	-8.0%	3.6%	-0.3%		
1985	3.8%	4.7%	0.8%	8.9%	5.0%	-3.7%	-7.2%	0.6%	-3.1%		
1986	1.1%	2.7%	1.6%	7.1%	5.9%	-9.4%	-10.4%	0.3%	-0.8%		
1987	4.4%	-1.3%	-5.5%	3.3%	-1.0%	-12.4%	-16.1%	-3.0%	-7.1%		
1988	4.4%	1.3%	-3.0%	4.5%	0.1%	-4.2%	-8.2%	-4.2%	-8.3%		
1989	4.6%	-0.3%	-4.7%	0.6%	-3.9%	-1.3%	-5.7%	-2.6%	-6.9%		
1990	6.1%	-0.4%	-6.2%	1.0%	-4.8%	-3.7%	-9.3%	-2.2%	-7.8%		
1991	3.1%	3.5%	0.4%	5.1%	2.0%	1.3%	-1.7%	-1.5%	-4.4%		
1992	2.9%	-0.3%	-3.1%	0.5%	-2.4%	-1.3%	-4.1%	-2.4%	-5.1%		
1993	2.7%	1.8%	-0.9%	1.0%	-1.7%	6.5%	3.7%	0.2%	-2.5%		
1994	2.7%	0.7%	-2.0%	-0.3%	-2.9%	5.4%	2.7%	-1.0%	-3.6%		
1995	2.5%	1.2%	-1.3%	2.6%	0.0%	0.1%	-2.3%	-3.8%	-6.2%		
1996	3.3%	2.1%	-1.2%	0.9%	-2.4%	3.7%	0.4%	6.1%	2.7%		
1997	1.7%	0.2%	-1.4%	1.0%	-0.6%	-4.3%	-5.9%	2.8%	1.1%		
1998	1.6%	0.3%	-1.9%	1.3%	-0.3%	-0.8%	-2.4%	1.5%	-0.1%		
1999	2.7%	0.4%	-2.2%	2.9%	0.2%	-0.7%	-3.3%	-1.6%	-4.1%	-11.6%	-13.9%
2000	3.4%	-2.3%	-5.5%	5.6%	2.1%	-11.2%	-14.1%	-6.0%	-9.1%	-12.3%	-15.2%
2001	1.6%	1.3%	-0.2%	4.5%	2.9%	-2.0%	-3.3%	-1.7%	-3.2%	-5.5%	-6.9%
2002	2.4%	0.2%	-2.1%	5.3%	2.9%	-5.9%	-8.2%	-6.1%	-3.2%	-0.3%	-2.0%
2003	1.8%	-2.7%	-4.4%	2.6%	0.8%	-10.8%	-12.4%	-9.3%	-10.9%	-1.3%	-3.1%
2004	3.3%	-2.5%	-5.6%	1.1%	-2.1%	-8.7%	-11.7%	-6.6%	-9.6%	-1.4%	-4.5%

 Table 3.1

 Changes in the Consumer Price Indices Since 1980

 (Percent change from December of the previous year through December of the year shown)

Chart 1

Consumer Price Indices for Toll Service Since 1984

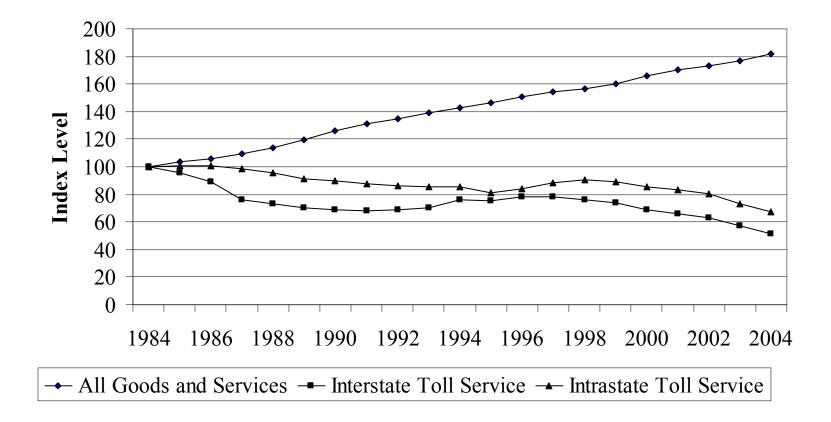


Chart 2

Consumer Price Indices for Toll Service Since 1984 (Adjusted for Inflation)

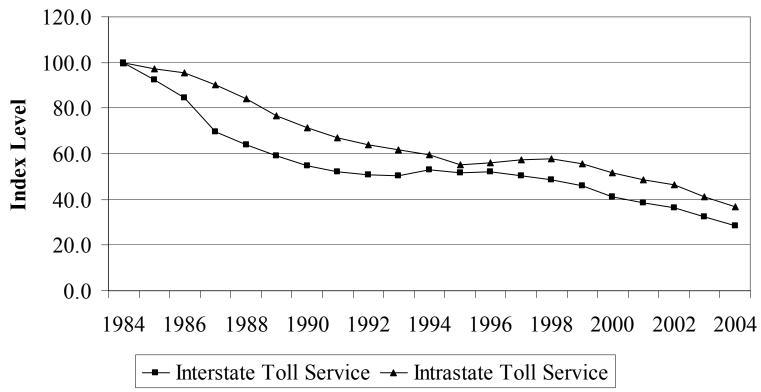


Table 3.2
Monthly Consumer Price Indices
(December 1997 = 100)

		1	1	(Detenit	,	1		
		All Goods and Services	Telephone Services	Land-line Telephone Services, Local Charges	Services, Long- Distance Charges	Land-line Interstate Toll Calls		Wireless Telephone Services
BLS	Series ID	CUUR0000SA0	CUUR0000SEED	CUUR0000SEED01	CUUR0000SEED02	CUUR0000SS27051	CUUR0000SS27061	CUUR0000SEED03
2000	January February March April	104.6 105.3 106.1 106.2	100.9 99.4 98.9 98.6	104.8 104.9 105.1 105.2	98.5 95.5 94.4 93.7	98.3 94.0 93.1 92.4	100.1 99.2 98.5 97.8	80.6 79.7 79.2 78.9
	May June July	106.3 106.9 107.1	98.5 97.2 98.2	105.3 105.8 107.3	93.4 90.6 91.3	92.0 89.0 89.8	97.6 95.0 95.7	78.2 76.8 74.9
	August September October November	107.1 107.7 107.9 107.9	98.9 97.0 98.3 97.5	109.5 108.5 109.8 110.3	90.7 87.9 89.4 87.2	89.2 86.2 87.9 85.0	95.1 92.0 92.9 91.9	73.7 72.8 73.0 72.9
2001	January February	107.9 108.6 109.0	98.4 98.8 98.7	<u>110.0</u> 110.5 110.7	89.5 89.5 89.5	83.0 87.5 88.0 87.6	93.9 94.2 93.7	71.1 68.9 68.9
	March April May	109.2 109.7 110.2	99.4 99.0 98.7 99.0	110.9 111.9 112.1	90.7 89.1 88.2 88.7	89.0 87.2 86.2	94.5 93.1 92.6	68.7 68.8 68.5 68.1
	June July August September	110.4 110.0 110.0 110.5	99.6 99.6 99.2	112.3 113.2 113.9 114.1	88.9 88.5 87.6	86.7 86.8 86.4 85.5	93.0 93.0 92.7 92.0	68.6 68.1 67.2
2002	October November December January	110.2 110.0 109.5 109.8	99.9 99.6 <u>99.7</u> 100.3	114.6 114.8 <u>114.9</u> 115.7	88.5 87.6 87.9 88.2	86.4 85.5 85.8 86.2	92.9 92.2 92.3 92.6	67.1 67.5 <u>67.2</u> 67.5
	February March April May	110.2 110.8 111.5 111.5	100.3 99.1 98.2 99.3	116.1 114.1 114.0 116.8	87.9 87.0 85.1 85.2	85.8 85.0 82.7 82.6	92.6 91.6 90.1 90.4	67.5 67.5 67.6 66.7
	June July August September	111.5 111.7 112.0 112.2	99.2 99.5 100.6 100.1	116.9 118.7 120.2 120.4	85.0 84.0 84.7 83.7	82.4 81.3 82.6 81.4	90.1 89.1 89.1 88.2	66.6 67.0 67.8 67.5
	October November December	112.4 112.4 112.2	99.9 99.8 99.9	120.6 120.8 121.0	83.0 82.7 82.6	80.7 80.7 80.7	87.5 87.0 86.7	67.9 67.5 67.4 67.6
2003	January February March April	112.6 113.5 114.2 113.9	100.4 100.5 99.7 98.7	121.3 121.2 121.7 121.9	83.4 83.5 81.5 79.2	81.9 82.2 79.8 77.4	87.0 86.9 85.1 83.1	67.7 67.6 67.5
	May June July August	113.7 113.8 114.0 114.4	98.1 97.5 98.1 97.8	122.0 122.2 123.1 123.7	77.9 76.7 77.2 76.0	76.0 74.6 75.6 74.0	81.8 80.8 80.8 79.7	67.5 66.3 66.2 66.1
	September October November December	114.8 114.6 114.3 114.2	97.4 97.1 97.2 97.2	123.8 124.0 124.2 124.1	75.2 74.3 74.1 74.3	73.3 72.1 71.8 72.0	78.9 78.7 78.3 78.6	66.1 66.1 66.7 66.5
2004	January February March	114.8 115.4 116.2	97.0 97.1 96.7	124.4 124.2 124.2	73.9 73.9 73.1	71.6 71.6 70.6	78.6 78.0 77.8 77.2 77.2	66.3 66.6 66.5
	April May June July	116.6 117.2 117.6 117.4	96.5 95.9 95.8 95.6	123.9 124.2 124.2 124.7	72.8 71.3 71.2 70.1	70.1 68.8 68.4 67.6	77.2 75.5 75.4 74.2	66.4 66.5 66.4 66.5
	August September October November	117.5 117.7 118.4	95.0 95.3 94.6 94.9	124.7 124.9 125.2	68.7 69.6 68.3 69.3	66.0 67.0 65.7 66.4	72.9 73.9 72.6 74.0	66.5 66.3 65.5 65.5
	December	118.4 118.0	94.9 94.8	125.1 125.5	68.6	65.7	73.4	65.6

Note: Figures for local telephone service, interstate toll service, and intrastate toll service after May, 2000 are converted from 1982-1984 base index series reported by the Bureau of Labor Statistics. Historical data on these series based upon the 1982-1984 index for January, 1972 through May, 2000 can be found in the Industry Analysis and Technology Division, Wireline Competition Bureau, *Reference Book of Rates, Price Indices, and Household Expenditures for Telephone Service* (July 2002).

Table 3.3Monthly Producer Price Indices(June 1995 = 100)

			(,		
999 Janary 96.9 100.4 100.2 100.4 101.7 103.6 March 96.6 100.4 100.2 100.5 101.7 103.6 April 97.3 100.5 100.2 100.5 101.7 103.6 March 97.1 100.5 100.2 100.5 101.7 103.6 July 95.5 100.5 100.2 100.5 101.8 104.0 August 95.8 100.5 100.4 100.5 101.8 104.0 October 95.7 100.5 100.4 100.5 101.8 104.0 October 95.3 100.5 100.4 100.5 101.8 104.0 October 94.3 100.5 100.3 100.6 101.8 104.0 March 94.8 100.7 100.3 100.6 101.5 101.0 March 94.8 100.7 100.5 100.7 101.5 101.0 100.6 103.5 <td< th=""><th></th><th>Telecommunications</th><th>except Private</th><th></th><th></th><th>Coin Local Service</th><th>Other Local Service</th></td<>		Telecommunications	except Private			Coin Local Service	Other Local Service
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September 83.5 105.5 108.7 101.7 103.9 120.5 October* 83.2 105.4 108.6 101.7 103.9 120.5 November* 83.0 105.4 108.6 101.7 103.9 120.5	August	83.7	105.4	108.6	101.7	103.9	120.3
October* 83.2 105.4 108.6 101.7 103.9 120.5 November* 83.0 105.4 108.6 101.7 103.9 120.5	September						
November* 83.0 105.4 108.6 101.7 103.9 120.5							

* Subject to revision

Table 3.3Monthly Producer Price Indices - Continued(June 1995 = 100)

	Public Switched Toll Service	Residence Switched Toll Service	Intrastate Residence Switched Toll Service	Interstate Residence Switched Toll Service	International Residence Switched Toll Service	Business Switched Toll Service	Business Switched Access Toll Service
AICS Series ID	5171102	51711021	517110211	517110212	517110213	51711022	517110221
1999 January	93.9	97.3	97.2	105.0	72.7	89.9	100.0
February	92.5	95.4	96.4	102.0	69.6	89.1	99.7
March	93.3	96.9	97.0	106.0	68.0	89.0	100.0
April	94.5	97.6	96.6	108.0	69.1	90.8	101.2
May	93.9	97.3	96.8	106.8	69.5	89.9	100.5
June	94.2	97.4	96.7	107.2	69.3	90.5	101.9
July	91.1	98.4	97.2	108.7	71.6	82.4	93.8
August	91.7	99.4	97.5	110.1	73.9	82.5	95.8
September	91.4	99.0	96.6	110.1	73.1	82.4	94.8
October	90.5	97.6	96.9	107.5	69.7	82.1	94.1
November December	88.8 89.3	95.4 95.8	95.2 94.3	104.0 106.6	67.0 65.8	80.9 81.5	92.4 93.4
2000 January	89.5	95.8	94.3	100.0	67.5	81.6	95.4
February	88.4	94.1	96.2	107.4	65.9	81.6	92.9
March	89.7	96.2	95.0	105.9	68.2	82.1	95.3
April	88.3	94.6	94.4	102.8	67.0	80.8	93.4
May	87.0	92.9	93.6	99.3	65.7	80.0	93.2
June	88.3	95.1	94.4	104.1	67.0	80.3	94.0
July	87.8	94.3	93.8	102.1	68.0	80.0	94.6
August	87.7	94.2	93.8	102.2	67.2	80.0	94.5
September	87.3	94.8	93.9	104.7	64.5	78.4	92.6
October	86.6	93.2	93.5	101.7	61.6	78.8	93.1
November	85.6	92.6	93.5	101.7	58.4	77.3	91.5
December	85.9	93.0	93.7	101.8	60.2	77.5	91.1
2001 January	84.2	92.2	93.3	107.4	60.9	74.7	87.6
February	83.8	92.1	94.1	99.5	61.8	73.9	87.9
March	83.9	92.4	94.7	98.2	61.3	73.8	87.5
April	83.4 83.1	92.1 92.2	94.3 94.3	98.6 98.2	61.3 60.4	73.0 72.2	87.2 85.8
May	82.4	92.2	94.3	98.2 98.9	57.4	72.2	83.8 84.7
June July	81.9	91.4	95.6 95.6	96.9	57.9	70.7	84.3
August	82.5	92.8	95.8	96.0	54.8	70.2	83.2
September	82.7	91.7	95.9	101.2	52.9	72.0	84.3
October	79.2	88.4	94.9	92.2	49.7	68.2	80.5
November	79.1	89.0	95.5	94.7	45.6	67.4	77.6
December	77.4	88.2	96.0	92.4	44.5	64.6	74.6
2002 January	75.7	86.7	95.4	89.1	43.9	62.7	72.7
February	75.0	85.2	95.8	85.4	42.4	62.8	73.3
March	74.6	84.5	95.6	84.8	40.2	62.8	73.6
April	73.8	83.9	95.3	82.9	41.2	61.9	73.4
May	74.5	83.5	95.3	82.1	40.6	63.7	73.7
June	74.2	83.3	95.1	81.3	41.6	63.3	74.3
July	73.3	83.1	94.7 96.9	80.9 81.5	42.1 42.3	61.5 62.0	72.1
August September	74.1 73.8	84.1 83.0	96.9	78.8	42.5	62.8	72.4 72.8
October	69.7	77.1	96.9	63.6	39.4	60.7	72.8
November	69.7 71.4	80.9	96.8 96.4	63.6 74.9	39.4	60.2	69.8
December	70.7	80.9	95.7	75.4	38.5	58.6	69.1
2003 January	70.0	79.9	95.6	73.0	38.2	58.3	68.5
February	70.4	79.7	87.4	81.2	37.2	59.2	68.9
March	70.2	79.8	87.4	81.6	37.0	58.7	67.9
April	69.4	78.2	86.9	78.2	35.6	58.9	68.7
May	69.8	79.5	87.1	82.2	34.4	58.3	67.1
June	69.7	78.9	87.1	80.7	33.8	58.7	68.3
July	69.8	79.4	86.9	81.3	36.3	58.4	67.0
August	69.9	79.5	86.7	82.2	35.4	58.5	67.2
September	69.3	78.1	85.9	79.8	33.9	58.7	67.7
October November	68.3 67.4	77.6	85.4	79.5	32.5	57.4	66.5
December	67.4 66.3	76.1 74.6	84.7 83.7	76.5 73.5	31.8 31.3	57.0 56.3	64.9 64.6
2004 January	66.7	75.4	83.1	76.6	30.8	56.4	64.7
February	65.9	74.1	82.6	73.1	31.4	56.1	64.3
March	66.1	74.7	82.0	76.4	29.1	55.8	63.9
April	65.8	74.4	82.1	75.2	29.9	55.5	63.4
May	65.4	74.3	82.0	75.3	29.1	54.9	62.5
June	65.5	74.3	82.1	75.7	28.5	55.0	62.9
July	65.2	74.4	82.3	75.1	29.5	54.2	62.4
August	65.3	75.0	82.5	76.8	29.6	53.9	62.0
September	64.9	74.3	81.9	75.7	28.7	53.8	61.8
October*	64.3	74.0	82.2	74.9	28.2	52.8	60.4
November*	64.0	73.3	81.9	74.0	26.4	52.9	61.1
December*	63.9	73.4	81.8	74.3	27.0	52.7	60.4

* Subject to revision

	Table	3.3			
Monthly F	Producer Price	Indices - Co	ontinued		
(June 1995 = 100)					

Rusiness Switched Access		1	1	1	(June 1995) – 100)	1	I	
Jeansy 188.1 184.1 184.2 88.0 73.3 79.6 669.9 April 104.2 104.2 184.0 88.0 73.1 79.6 669.9 April 107.9 104.4 122.2 88.1 89.4 76.5 86.6 47.5 May 107.9 104.1 122.6 89.1 89.4 76.5 86.6 77.5 Augut 100.2 104.1 122.9 83.5 83.0 70.0 75.3 17.4 Septembr 101.8 102.5 110.4 82.5 83.0 70.0 75.3 41.4 Septembr 101.8 102.5 110.4 82.5 83.1 60.7 75.0 11.2 Doctaber 99.3 101.9 100.5 75.5 81.9 66.5 74.6 83.9 Doctaber 99.3 101.2 110.5 70.5 81.9 66.5 74.6 93.9 Doctaber 99.5 90.9 <		Business Switched Access	Switched Access Toll	Switched Access Toll Service,	Switched Access Toll	Switched Access	Switched Access Toll	Switched Access Toll	International Business Switched Access Toll Service, Inbound
Jeansy 188.1 184.1 184.2 88.0 73.3 79.6 669.9 April 104.2 104.2 184.0 88.0 73.1 79.6 669.9 April 107.9 104.4 122.2 88.1 89.4 76.5 86.6 47.5 May 107.9 104.1 122.6 89.1 89.4 76.5 86.6 77.5 Augut 100.2 104.1 122.9 83.5 83.0 70.0 75.3 17.4 Septembr 101.8 102.5 110.4 82.5 83.0 70.0 75.3 41.4 Septembr 101.8 102.5 110.4 82.5 83.1 60.7 75.0 11.2 Doctaber 99.3 101.9 100.5 75.5 81.9 66.5 74.6 83.9 Doctaber 99.3 101.2 110.5 70.5 81.9 66.5 74.6 93.9 Doctaber 99.5 90.9 <	NAICS Sories ID	5171102211	51711022111	51711022112	51711022113	5171102212	51711022121	51711022122	51711022123
Fehrung 064.4 014-5 118.4 86.2 88.0 78.0 78.4 84.4 85.2 Mack 0179 016-1 123.2 88.0 77.4 18.9 65.3 May 0179 016-1 123.5 016.2 88.0 77.6 83.2 77.6 Jane 100.5 012.5 104.4 84.15 83.0 77.6 84.2 77.6 September 010.8 010.2 010.4 84.15 83.0 77.6 76.4 77.4 77.4 October 000.0 012.3 000.6 77.6 83.7 70.5 77.1 77.7 77.0 October 000.0 012.3 000.8 77.6 83.2 70.2 77.7 77.0									
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December*
* Subject to revision

Table 3.3
Monthly Producer Price Indices - Continued
(June 1995 = 100)

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May 7.0 63.1 66.0 63.5 97.7 88.0 97.2 Jare 7.1 66.0 61.3 64.5 56.0 31.3 77.7 60 Superime 61.4 51.5 55.0 53.0 37.4 60 Ocobe 61.4 53.0 64.5 53.0 77.4 60 November 61.4 53.0 64.5 57.3 50.4 60.4 60.5 99 November 61.4 53.0 46.0 47.0 44.9 51.3 77.2 60 2000 Anar 52.2 23.2 40.4 60.1 72.3 60 Mark 57.9 39.5 51.3 44.5 48.3 48.6 68.5 99 Jare 57.6 39.5 51.3 44.5 48.3 48.6 68.5 99 Mark 53.4 49.7 49.5 49.5 45.3 48.6 68.5 99								79.8
Jurg 17.2 60.0 61.9 60.0 64.2 19.1 88 Jurg 63.0 83.3 61.5 51.0 84.4 77.4 60 Optober 61.9 37.6 60.8 57.3 50.6 69.5 99 November 61.4 53.9 54.0 51.2 50.1 74.8 66 December 61.2 50.0 53.3 49.4 43.8 74.8 66 Optober 61.4 53.5 53.5 49.4 49.1 77.8 66 April 597 52.6 52.3 49.4 49.1 77.1 66 Max 57.7 52.6 52.3 49.4 48.8 68.8 59 May 57.0 51.3 53.6 50.2 43.7 71.3 66 May 57.3 49.4 48.3 48.8 68.8 59 Augut 55.4 49.3 48.3 48.3								79.9
hly 63.0 53.3 61.5 56.6 13.6 71.6 66 Augus 60.1 51.5 51.5 51.5 51.6 77.7 60 November 61.4 51.9 50.0 51.3 51.7 52.5 71.2 60 December 61.5 50.0 53.3 51.7 52.5 71.2 60 Ordenary 55.2 50.6 47.0 44.9 51.3 71.8 60 Ordenary 57.7 51.5 52.0 50.0 44.9 43.1 71.8 60 May 57.7 51.7 50.0 48.3 48.6 68.5 53 April 57.4 50.5 51.3 48.5 46.3 36.9 68.3 57 October 54.3 48.7 49.3 48.2 36.9 68.3 57 October 54.3 46.7 49.3 46.3 45.3 45.3 45.3 45.3								83.8
August 601 51.5 54.5 53.1 38.7 75.7 60 Septembre 61.4 52.9 60.8 53.3 50.0 67.8 67.8 December 61.5 50.0 56.3 51.3 71.2 60 December 61.5 50.0 47.0 44.9 51.3 71.9 60 2000 Janary 58.2 50.6 47.0 44.9 61.5 71.3 60 Mach 59.7 53.5 53.3 49.4 49.7 71.3 60 May 57.7 53.5 53.3 44.4 44.8 68.8 59 Jair 55.4 40.0 40.4 44.3 48.6 63.3 55 Jair 55.4 40.0 40.4 48.4 44.8 68.8 59 Jair 55.4 40.3 46.3 46.3 46.3 45.7 45.7 October 54.7 45.5 45.7		63.0				53.6		64.0
Signature 014 542 587 550 434 744 66 October 014 576 008 573 936 045 937 December 014 576 070 449 513 719 00 Percury 024 555 553 519 513 719 00 March 597 536 533 519 538 746 06 March 597 537 500 433 444 448 688 93 June 570 553 513 443 448 688 93 July 554 400 604 460 463 663 53 Outober 543 457 455 442 846 665 53 Newember 547 458 402 468 416 653 53 Outober 547 455 422 844 <t< td=""><td></td><td>60.1</td><td>51.5</td><td>54.5</td><td>53.1</td><td>38.7</td><td>75.7</td><td>67.4</td></t<>		60.1	51.5	54.5	53.1	38.7	75.7	67.4
Occesber 61.9 57.6 60.8 57.3 90.6 60.5 60.5 November 61.2 57.0 56.0 37.7 30.1 74.8 66.0 Domonante 61.2 57.6 57.3 51.0 33.3 74.8 66.0 March 59.7 52.6 52.3 49.4 49.1 72.5 66.0 April 59.7 53.2 52.6 52.3 49.4 49.1 72.5 66.0 March 59.7 53.5 50.0 48.4 49.1 72.5 66.0 59.2 April 55.6 48.7 50.3 48.3 36.9 68.3 59.5 August 55.6 48.7 50.3 45.5 45.7 64.5 70.5 59.0 66.5 59.5 Docember 54.3 48.2 49.2 46.3 70.3 60.0 55.5 59.6 66.5 59.5 59.6 66.5 59.5 59.6		61.4	54.2	58.7	55.0	43.4	74.4	65.5
December 61.5 56.0 56.3 57.7 22.5 71.2 66 Roltnury 62.4 53.5 53.3 51.9 53.8 71.3 66 April 24.4 53.5 53.3 51.9 53.8 71.5 66 May 57.7 51.7 50.0 48.3 48.6 66.5 95 Jue 57.0 50.5 51.3 48.4 48.0 40.3 66.8 55 Augtab 55.6 44.2 46.5 41.6 66.3 95 Ocabar 54.7 48.9 40.2 46.8 41.6 66.3 95 Ocabar 54.7 48.9 40.2 46.8 41.6 66.3 95 Ocabar 54.7 45.5 44.2 36.4 70.3 66.5 55 Ocabar 53.3 41.4 40.7 36.4 70.3 66.5 55 Old Jamar 53.0 41.4 40.5<		61.9	57.6	60.8	57.3	50.6	69.5	59.5
2000 January S8.2 916 47.0 44.9 91.3 71.9 60. March 39.7 62.4 55.5 55.3 51.9 53.3 74.8 66. April 29.7 53.7 52.0 93.4 40.1 77.5 66. April 29.7 53.7 52.0 94.4 40.1 77.5 66. Mare 77.0 95.5 53.3 48.4 43.8 66.8 95. July 55.4 49.0 49.4 48.0 43.3 66.8 95. September 54.3 46.5 46.3 45.2 36.6 66.3 95. October 54.3 46.7 45.5 44.2 36.0 66.5 95. October 54.5 44.2 36.4 70.7 34.4 65.5 95. March 50.7 41.9 41.1 30.5 32.2 66.5 95. March 46.6	November	61.4	53.9	54.0	51.2	50.1	74.8	65.6
rbreining 02.4 55.5 55.3 51.9 53.8 74.8 66 March 59.7 52.5 52.3 49.4 49.1 72.5 66 Mar 57.7 51.5 52.6 50.2 49.7 71.3 66 May 57.4 49.0 49.4 48.0 40.3 66.8 59 Augat 55.6 48.7 50.3 48.2 38.5 67.9 59 Augat 55.6 48.7 46.3 46.3 45.3 66.8 59 October 54.7 48.9 40.2 46.8 41.6 63.3 59 Dearnine 54.3 45.2 41.1 39.7 31.4 63.5 53.5 April 48.9 41.3 47.0 34.8 35.4 62.4 93.5 Mare 49.6 40.7 44.1 39.7 38.5 65.1 59 Mare 49.6 40.7 44.4	December	61.5	56.0	56.3	53.7	52.5	71.2	61.6
Menh 99,7 52.6 52.3 49,4 49,1 72.5 66 April 59,7 51.2 52.6 50.2 49,7 71.3 66 May 57.7 51.7 50.0 48.3 48.6 68.5 53 Augat 55.6 48.7 50.3 48.2 38.5 67.9 53 September 54.3 46.5 46.3 45.3 36.9 66.3 35 October 54.7 48.9 49.2 46.8 41.6 65.3 53 November 53.3 48.2 49.1 47.7 38.7 70.5 53 200 February 50.2 42.8 44.1 39.5 32.2 66.5 33 March 50.7 41.9 41.1 39.5 33.8 63.4 33 March 49.3 41.4 49.5 33.5 33.8 64.4 35 April 48.4 39.5 <td>2000 January</td> <td>58.2</td> <td>50.6</td> <td>47.0</td> <td>44.9</td> <td>51.3</td> <td>71.9</td> <td>62.4</td>	2000 January	58.2	50.6	47.0	44.9	51.3	71.9	62.4
April 99.7 53.2 52.6 90.2 49.7 71.3 66 May 57.0 50.5 51.3 48.4 43.8 66.5 58 June 57.0 50.5 51.3 48.4 40.8 66.5 58 Aug 53.4 46.5 46.3 445.3 36.9 66.3 35 October 54.7 44.8 40.3 44.5 36.9 66.3 35 Docember 54.3 44.5 45.7 44.5 45.7 42.5 45.7 42.5 35.7 36.2 35.9 35.0 35.9 35.0 35.9 35.0 35.9 35.0 35.0 35.7 34.4 35.4 66.4 35.9 35.0 35.9 35.0	February	62.4	55.5	55.3	51.9	53.8	74.8	66.0
May 57.7 51.7 50.0 48.3 48.6 68.5 98 Jue 57.0 50.5 51.3 48.4 48.0 40.3 66.8 56 Augest 55.6 48.7 50.3 48.2 38.5 67.9 57.9 September 51.3 48.2 46.2 46.8 36.6 66.8 37.9 November 53.3 48.2 46.1 47.2 36.4 66.5 57.9 December 54.3 45.7 45.5 44.2 36.4 70.3 66.5 Ol January 50.0 41.8 40.7 39.4 30.4 66.5 53 April 40.5 41.1 41.1 39.7 34.4 66.5 53 Junc 49.6 41.1 41.5 38.7 39.8 66.1 39 Julue 49.7 41.1 41.5 38.7 39.8 66.1 39 Julue 40.7	March							63.1
June 57.0 50.5 51.3 48.4 43.8 68.8 68 July 55.4 48.7 50.3 48.2 38.5 67.9 57 September 34.3 46.5 46.3 45.2 38.5 67.9 57 October 54.3 44.5 44.2 34.5 66.4 65.3 58 December 34.3 44.5 44.5 44.2 36.4 70.3 66 December 34.3 44.7 44.1 39.7 34.4 66.5 55 March 50.7 41.9 41.1 39.5 32.2 66.5 55 April 48.4 41.3 47.0 34.6 33.8 63.4 55 55 June 49.6 40.7 44.4 34.6 33.6 64.1 49 June 44.6 49.1 33.6 34.1 59.6 651 59 Sprember 47.2 47.7 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>61.6</td>								61.6
July 55.4 49.0 49.4 48.0 40.3 66.8 55 August 55.6 48.7 50.3 45.3 36.9 66.3 57 October 54.3 46.5 46.3 45.3 36.9 66.3 57 October 54.3 44.9 44.5 44.2 36.4 07.3 67 2001 Jamay 63.0 44.8 44.1 19.7 34.4 63.5 55 Angut 63.0 44.8 44.1 19.7 34.4 63.5 55 April 48.9 41.3 47.0 34.8 35.4 62.4 55 April 48.9 41.1 44.5 38.7 38.8 60.1 55 August 44.7 40.7 40.7 35.6 65.1 55 September 51.2 43.5 49.1 37.2 38.5 66.1 55 November 50.2 41.9 29.2	May							58.3
Λ_{up} 55.648.750.348.238.567.957September54.348.949.246.841.665.353November53.348.249.147.238.762.35300053.348.244.749.436.070.06600153.044.845.744.936.070.06600264.841.139.532.266.553April48.941.149.535.533.863.455April49.341.449.535.533.863.462.4June49.640.744.434.034.465.555August48.430.537.538.730.860.149August48.337.537.638.730.860.149August48.339.148.329.433.563.455Ocober47.740.247.830.038.861.353Ocober47.740.247.830.038.861.353Ocober47.740.247.830.038.861.353Ocober47.740.247.830.038.861.353Ocober47.740.247.830.038.861.35555March44.938.938.149.727.734.554.245.2	June							58.6
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October November 53.3 48.2 49.1 47.2 38.7 62.5 65.0 December 54.5 45.7 45.5 44.2 36.4 70.3 66 Ol January 53.0 43.8 40.7 39.4 39.0 69.5 55 March 50.7 41.9 41.1 39.7 34.4 66.5 55 March 50.7 41.9 41.1 39.7 34.4 66.5 55 June 49.6 40.7 44.4 34.9 34.4 66.5 55 July 47.9 41.1 41.5 38.7 30.8 60.1 49.7 August 48.4 39.5 37.5 34.6 33.0 64.4 55 December 51.2 43.5 49.1 37.2 38.5 65.1 58 October 47.4 40.7 49.2 25.7 34.9 62.8 62.3 62 62 65 65.1		55.6	48.7	50.3	48.2	38.5	67.9	57.4
November 53.3 48.2 49.1 47.2 38.7 62.5 95.0 December 54.5 45.7 45.5 44.2 36.4 70.3 60 2001 Januay 55.0 42.8 43.1 99.7 39.4 60.5 55.3 March 50.7 41.9 41.1 39.5 32.2 66.5 55.5 April 48.3 41.4 49.5 53.5 33.8 63.4 63.5 55.6 June 49.6 40.7 44.1 39.5 32.2 66.5 55.5 55.6 55.6 55.5 55.5 33.8 63.4 65.5 55.5 55.6 55.6 55.6 55.6 55.6 55.6 55.6 55.6 55.6 55.6 55.6 55.6 55.6 55.6 55.5 55.5 55.5 55.3 46.5 55.7 45.6 55.7 45.6 55.5 55.3 46.6 55.7 55.7 45.6 55.7 <td< td=""><td>September</td><td>54.3</td><td>46.5</td><td>46.3</td><td>45.3</td><td>36.9</td><td></td><td>57.9</td></td<>	September	54.3	46.5	46.3	45.3	36.9		57.9
December 64.5 44.7 44.5 44.2 36.4 70.3 60 Fohrany 53.0 43.8 40.7 99.0 09.5 59 March 50.7 41.9 41.1 39.7 34.4 63.5 53 April 48.9 41.3 47.0 34.8 35.4 62.4 53 May 49.3 41.4 49.4 35.5 33.4 63.4 63.5 June 49.6 40.7 44.5 35.7 33.6 64.4 53 Augest 48.4 95 57.5 34.6 53.0 64.4 53 Sopember 51.2 43.5 49.1 37.2 38.6 61.3 53 November 50.2 41.9 29.5 32.6 47.3 65.0 66 December 47.7 40.2 47.8 30.0 38.8 61.3 53 Sopember 44.9 38.9 52.2 2	October		48.9	49.2	46.8	41.6		54.3
2001 January February 53.0 44.8 40.7 39.4 39.0 69.5 95.9 March 50.7 41.9 41.1 39.7 34.4 66.5 55.5 April 48.9 41.3 47.0 34.8 35.4 66.5 55.5 May 49.3 41.4 49.5 35.5 33.8 66.4 55.5 June 49.6 40.7 44.4 34.9 34.4 65.5 55.6 August 48.4 39.5 37.5 34.6 33.0 66.4 57.5 August 48.4 39.5 37.5 34.6 33.0 66.4 57.5 October 47.7 40.2 47.8 30.0 38.8 66.1 63.9 Docember 47.7 40.2 47.8 30.0 38.8 63.1 55.5 53.3 200 Jamary 45.0 38.7 49.0 22.5 34.2 56.2 55.3 June						38.7		50.9
February 50.2 42.8 43.1 39.7 34.4 65.5 55 March 50.7 41.9 41.1 49.5 32.2 66.5 55 May 40.3 41.3 47.0 34.8 35.4 62.4 55 June 49.6 40.7 44.4 34.9 34.4 65.5 65 July 47.9 41.1 41.5 38.7 30.8 60.1 46 August 48.4 39.5 37.5 34.6 33.0 664.4 57 September 51.2 43.5 49.1 37.2 38.5 65.1 58 October 47.4 40.7 49.7 33.6 41.3 50.6 53 Socenber 47.7 40.2 47.8 30.0 38.8 61.3 53 44 Mari 44.9 39.9 42.2 25.0 31.5 53.3 44 Mari 44.9 39.8	December			45.5				60.5
March 50.7 41.9 41.1 39.5 32.2 66.5 55.5 April 48.9 41.4 49.5 35.5 33.8 63.4 55.5 June 49.6 40.7 44.4 34.9 34.4 65.5 56.5 July 47.9 41.1 41.5 38.7 30.8 60.1 49.6 August 48.4 39.5 37.5 34.6 33.0 64.4 57.5 August 48.4 40.7 49.7 33.6 34.1 59.6 53.5 November 50.2 41.9 29.5 32.6 47.3 65.0 66.6 December 47.7 40.2 47.8 30.0 38.8 61.3 53.2 March 44.9 38.9 52.2 28.3 35.5 55.3 48.6 March 44.9 38.9 52.2 28.3 35.5 56.2 55.1 June 45.0 38.7								59.5
April 48.9 41.3 47.0 33.8 55.4 55.4 53.5 53.8 63.4 55.5 June 49.6 40.7 44.4 34.9 34.4 65.5 55.5 July 47.9 41.1 41.5 38.7 30.8 60.1 49.8 August 48.4 39.5 37.5 34.6 33.0 64.4 55.7 September 51.2 43.5 49.1 37.2 38.5 65.1 58.3 November 50.2 41.9 29.5 32.6 47.3 65.0 65.0 December 47.7 40.2 47.8 30.0 38.8 61.3 53.3 O2D January 46.0 36.9 47.2 25.7 34.9 65.3 53.3 44.8 Aprit 44.3 38.8 53.8 25.0 34.8 53.3 54.8 Mark 44.7 39.8 53.2 55.2 55.2 55.2 55								52.1
May 493 41.4 49.5 35.5 33.8 63.4 58 June 49.6 40.7 44.1 41.5 38.7 30.8 60.1 49 August 48.4 39.5 37.5 34.6 33.0 64.4 55.5 September 51.2 43.5 49.1 37.2 38.5 65.1 58 October 47.4 40.7 49.7 33.6 34.1 59.6 53 November 50.2 41.9 29.5 32.6 47.3 65.0 66 December 47.7 40.2 47.8 30.0 38.8 61.3 53 2002 January 46.0 36.9 47.2 25.7 34.9 62.8 62 March 44.9 38.9 52.2 28.3 35.5 55.3 48 April 42.8 36.8 53.8 25.2 53.4 29.2 53.1 June 45.0 <								55.4
June 49.6 40.7 44.4 34.9 34.4 65.5 55 July 47.9 41.1 41.5 38.7 30.8 60.1 49 August 48.4 39.5 37.5 34.6 33.0 64.4 57 September 51.2 43.5 49.1 37.2 38.5 65.1 658 October 47.4 40.7 49.7 33.6 34.1 59.6 67 Docember 47.7 40.2 47.8 30.0 38.8 61.3 63 O2D Jancary 45.3 39.1 48.3 29.4 36.1 56.2 45 March 44.9 38.8 53.8 25.0 33.1 53.5 55.3 44 April 42.8 36.8 53.8 25.0 33.1 53.5 45.2 July 43.9 38.1 49.7 27.7 34.5 54.2 55.7 June 45.0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>52.9</td></td<>								52.9
July 47.9 41.1 41.5 38.7 30.8 60.1 49.4 August 48.4 39.5 37.5 34.6 33.0 64.4 57.5 September 51.2 43.5 49.1 37.2 38.5 65.1 58.5 October 47.4 40.7 49.7 33.6 47.1 59.6 53.5 December 47.7 40.2 47.8 30.0 38.8 61.3 59.3 2002 January 46.0 36.9 47.2 25.7 34.9 62.8 66.6 February 45.3 38.9 52.2 28.3 35.5 55.3 44.8 April 44.9 38.9 52.2 28.3 35.6 55.3 44.9 May 46.7 39.4 50.0 30.2 34.8 59.9 55.3 July 44.8 35.4 49.7 29.4 35.0 56.2 55.3 July 43.9 35.								58.5
August September 48.4 39.5 37.5 34.6 33.0 64.4 57.5 September 47.4 40.7 49.1 37.2 38.5 65.1 58.5 October 47.4 40.7 49.7 33.6 34.1 59.6 58.5 Docember 47.7 40.2 47.8 30.0 38.8 61.3 55.2 Docember 47.7 40.2 47.8 30.0 38.8 61.3 55.2 DO2 January 46.0 66.9 47.2 25.7 34.9 62.8 62.8 Pebruary 45.3 39.1 48.3 29.4 36.1 56.2 44.8 April 42.8 36.8 53.8 25.0 33.1 53.5 44.8 April 42.8 36.8 53.8 25.0 33.1 53.5 44.8 Agust 44.8 38.4 43.7 29.4 35.0 56.2 55.1 July 43.9 35.8 56.3 55.2 55.2 55.2 55.2 55.2 October 43.3 36.8 45.8 27.0 33.0 54.8 44.6 October 43.3 36.8 45.8 27.0 33.3 51.6 46.2 October 43.3 36.8 45.8 27.1 29.0 53.2 55.2 April 42.6 36.3 47.1 25.3 33.3 53.9 47.4 Nowember 43.3 36.6 50.5								56.8
September 51.2 43.5 49.1 37.2 38.5 65.1 58.3 October 47.4 40.7 49.7 33.6 34.1 59.6 53.3 November 50.2 41.9 29.5 32.6 47.3 65.0 66.0 December 47.7 40.2 47.8 30.0 38.8 61.3 53.3 2002 January 46.0 36.9 47.2 25.7 34.9 62.8 62.8 62.4 March 44.9 38.9 52.2 28.3 35.5 55.3 44.8 April 42.8 36.8 53.8 25.0 33.1 53.5 54.2 45.2 July 46.7 39.4 50.0 20.2 34.8 59.9 55.2 55.3 44.2 Augut 44.9 38.1 49.7 29.4 35.0 56.2 45.1 July 43.3 36.6 52.1 30.0 53.2 45.4								49.9
Ociober 47.4 40.7 49.7 33.6 34.1 59.6 53.3 November 47.7 40.2 47.8 30.0 38.8 61.3 53.3 2002 January 46.0 36.9 47.8 25.7 34.9 66.8 66.3 2002 January 45.3 39.1 48.3 29.4 36.1 55.2 44.9 March 44.9 38.9 52.2 28.3 35.5 55.3 44.9 March 44.9 38.9 52.2 28.3 35.5 55.3 44.9 March 44.9 38.9 52.2 28.4 35.5 55.3 44.9 March 44.0 38.9 52.2 28.4 35.0 56.2 51 June 45.0 38.1 49.7 27.7 34.5 54.2 48 Aquist 44.8 38.4 43.7 29.0 53.2 51 September 41.2 36.4 4								57.7
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December 47.7 40.2 47.8 30.0 38.8 61.3 35.3 2002 January 46.0 36.9 47.2 25.7 34.9 62.8 66.2 March 44.9 38.9 52.2 28.3 35.5 55.3 44.3 March 44.9 36.8 53.8 25.0 33.1 53.5 54.4 March 44.9 38.9 52.2 28.3 35.5 55.3 44.5 Mary 46.7 39.4 50.0 30.2 34.8 59.9 57.7 July 43.9 38.1 49.7 27.7 34.5 54.2 48.8 August 44.8 38.4 43.7 29.4 35.0 56.3 55.3 September 45.9 40.0 52.1 30.4 35.8 56.3 56.3 55.0 October 43.3 36.8 45.8 27.0 33.0 54.5 46.6 December								53.3
								60.8
February 45.3 39.1 48.3 29.4 36.1 56.2 43 March 44.9 38.9 52.2 28.3 35.5 55.3 44 April 42.8 36.8 53.8 25.0 33.1 53.5 44 March 44.7 39.4 50.0 30.2 34.8 59.9 57.1 June 45.0 38.7 49.0 29.5 34.2 56.2 51 August 44.8 38.4 49.7 27.7 34.5 54.2 48 August 44.8 38.4 49.7 27.0 33.0 56.3 50 October 43.3 36.8 45.8 27.0 33.0 54.5 46 Oceember 41.2 35.4 47.7 28.6 33.3 54.5 46 2003 January 41.5 34.9 47.3 25.1 29.0 53.2 54 April 42.6 36.3 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>53.4</td></t<>								53.4
March44.938.952.228.335.555.344.8April42.836.853.825.033.153.545.3May44.739.450.030.234.859.957.7June45.038.749.029.534.256.251.4August44.838.443.729.435.056.255.3September44.838.443.729.435.056.255.3October43.336.845.827.033.054.844.7November41.235.443.124.333.551.646.7December41.235.443.124.333.551.646.72003 January41.534.947.325.129.055.255.2April42.636.346.829.729.953.255.1April42.636.346.829.729.953.255.1April42.636.344.226.231.754.746.7Mark43.137.446.829.729.953.255.150.0June42.635.944.226.231.754.746.7June42.635.944.226.231.754.746.7June43.538.849.630.033.252.544.2June43.536.645.529.0								62.8
April 42.8 36.8 53.8 25.0 33.1 53.5 44.5 May 46.7 39.4 50.0 30.2 34.8 59.9 57.5 June 45.0 38.7 49.0 29.5 34.2 56.2 51.1 July 43.9 38.1 49.7 27.7 34.5 54.2 48.8 August 44.8 88.4 43.7 29.4 35.0 56.2 51.1 September 45.9 40.0 52.1 30.4 35.8 56.3 50.0 October 43.3 36.8 45.8 27.0 33.0 54.8 47.4 November 41.2 35.4 43.1 24.3 33.5 51.6 64.6 2003 January 41.5 34.9 47.3 25.1 29.0 53.2 55.2 $February$ 42.8 36.1 42.5 27.3 31.0 54.8 44.6 2003 January 41.5 36.3 47.1 25.3 33.3 53.9 47.3 $April42.636.347.125.333.353.947.3April42.635.944.226.231.754.756.7June42.635.944.226.231.754.756.7June42.635.944.226.231.754.756.7June42.635.749.330.5$								
May 467 39.4 50.0 30.2 34.8 59.9 57 June 45.0 38.7 49.0 29.5 34.2 56.2 51 July 43.9 38.1 49.7 27.7 34.5 54.2 48 August 44.8 38.4 43.7 29.4 35.0 562 51 September 45.9 40.0 52.1 30.4 35.8 56.3 55 October 43.3 36.8 45.8 27.0 33.0 54.8 47 November 41.2 35.4 43.1 24.3 33.5 51.6 46 2003 January 41.5 34.9 47.3 25.1 29.0 53.2 54 March 43.1 37.4 46.8 29.7 29.9 53.2 51 March 43.1 37.5 41.8 28.1 35.1 53.7 450 June 42.6 35.9 44.2<								45.4
June45.038.749.029.534.256.251July43.938.149.727.734.554.248August44.838.443.729.435.056.251September45.940.052.130.435.856.350October43.336.845.827.033.054.846November43.937.947.728.633.354.546December41.235.443.124.335.551.6462003 January41.534.947.325.129.053.254March43.137.446.829.729.953.254March43.137.541.828.135.153.750April42.636.347.125.333.353.947May43.437.541.828.135.153.750June42.635.944.226.231.754.746July43.739.451.131.032.951.051July43.538.650.529.034.151.752October41.936.746.228.429.851.044September43.538.650.529.034.151.752October41.936.646.928.530.251.664								57.0
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September October 45.9 40.0 52.1 30.4 35.8 56.3 55.0 October 43.3 36.8 45.8 27.0 33.0 54.8 47.0 November 41.2 35.4 47.7 28.6 33.3 54.5 47.0 2003 January 41.5 34.9 47.3 25.1 29.0 53.2 54.6 2003 January 41.5 34.9 47.3 25.1 29.0 53.2 54.8 March 43.1 37.4 46.8 29.7 29.9 53.2 51.6 April 42.6 36.3 47.1 25.3 33.3 53.9 51.7 May 43.4 37.5 41.8 28.1 35.1 53.7 50.5 June 42.6 35.9 44.2 26.2 31.7 54.7 45.6 August 43.9 38.8 49.6 30.0 33.2 52.5 44.6 November 43.5 38.6 50.5 29.0 34.1 51.7 54.7 August 43.9 38.6 50.5 29.0 34.1 51.7 54.7 November 43.5 38.7 49.3 30.5 32.2 52.5 44.2 November 43.5 38.7 49.3 30.5 32.2 51.6 50.5 December 42.3 36.6 47.4 28.1 29.6 52.5 49.6 November 43.5 38.7 49.3								51.2
$\begin{array}{c c c c c c c c c c c c c c c c c c c $								50.5
November December 43.9 37.9 47.7 28.6 33.3 54.5 44.6 December 41.2 35.4 43.1 24.3 33.5 51.6 46 203 January 41.5 34.9 47.3 25.1 29.0 55.2 54 February 42.8 36.1 42.5 27.3 31.0 54.8 46 March 43.1 37.4 46.8 29.7 29.9 53.2 51 April 42.6 36.3 47.1 25.3 33.3 53.9 47 May 43.4 37.5 41.8 28.1 35.1 53.7 50 July 43.7 39.4 51.1 31.0 32.9 51.0 51 August 43.9 38.8 49.6 30.0 33.2 52.5 44 September 43.5 38.7 49.3 30.5 32.2 51.6 50 October 41.9 36.7 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>47.2</td>								47.2
December 41.2 35.4 43.1 24.3 33.5 51.6 44 2003 January 41.5 34.9 47.3 25.1 29.0 53.2 54 February 42.8 36.1 42.5 27.3 31.0 54.8 46 March 43.1 37.4 46.8 29.7 29.9 53.2 51 April 42.6 36.3 47.1 25.3 33.3 53.9 47 May 43.4 37.5 41.8 28.1 35.1 53.7 50 June 42.6 35.9 44.2 26.2 31.7 54.7 46 July 43.7 39.4 51.1 31.0 32.2 52.5 44 September 43.5 38.6 50.5 29.0 34.1 51.7 52 October 41.9 36.7 46.2 28.4 29.8 51.0 68 November 43.5 36.9 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>46.3</td></t<>								46.3
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$								46.7
$\begin{array}{c c c c c c c c c c c c c c c c c c c $								51.5
								47.8
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $								50.8
					26.2	31.7		46.9
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		43.7	39.4		31.0	32.9	51.0	51.0
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		43.9	38.8	49.6	30.0	33.2	52.5	44.3
$\begin{array}{c c c c c c c c c c c c c c c c c c c $								52.3
$\begin{array}{c c c c c c c c c c c c c c c c c c c $								48.1
2004 January 42.4 36.6 47.4 28.1 29.6 52.5 49 February 42.3 37.1 42.6 31.7 26.8 51.3 46 March 42.0 35.6 42.4 29.6 25.4 53.5 50 April 42.0 36.1 46.0 29.7 25.3 52.4 46 May 41.8 36.0 43.6 29.7 26.0 52.2 48 June 41.6 35.7 43.8 29.3 25.5 52.0 50 July 40.4 35.1 43.0 27.7 26.5 49.8 47 August 40.0 34.5 44.1 26.4 26.2 49.8 48 September 40.2 34.4 45.0 26.8 25.1 50.5 51.5								50.2
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March 42.0 35.6 42.4 29.6 25.4 53.5 50 April 42.0 36.1 46.0 29.7 25.3 52.4 46 May 41.8 36.0 43.6 29.7 26.0 52.2 48 June 41.6 35.7 43.8 29.3 25.5 52.0 50 July 40.4 35.1 43.0 27.7 26.5 49.8 47 August 40.0 34.5 44.1 26.4 26.2 49.8 48 September 40.2 34.4 45.0 26.8 25.1 50.5 51								49.4
April42.036.146.029.725.352.446May41.836.043.629.726.052.248June41.635.743.829.325.552.050July40.435.143.027.726.549.847August40.034.544.126.426.249.848September40.234.445.026.825.150.551								46.9
May 41.8 36.0 43.6 29.7 26.0 52.2 48 June 41.6 35.7 43.8 29.3 25.5 52.0 50 July 40.4 35.1 43.0 27.7 26.5 49.8 47 August 40.0 34.5 44.1 26.4 26.2 49.8 48 September 40.2 34.4 45.0 26.8 25.1 50.5 51								50.0
June 41.6 35.7 43.8 29.3 25.5 52.0 50 July 40.4 35.1 43.0 27.7 26.5 49.8 47 August 40.0 34.5 44.1 26.4 26.2 49.8 48 September 40.2 34.4 45.0 26.8 25.1 50.5 51								46.7
July 40.4 35.1 43.0 27.7 26.5 49.8 47 August 40.0 34.5 44.1 26.4 26.2 49.8 48 September 40.2 34.4 45.0 26.8 25.1 50.5 51								48.4
August 40.0 34.5 44.1 26.4 26.2 49.8 48 September 40.2 34.4 45.0 26.8 25.1 50.5 51								50.5
September 40.2 34.4 45.0 26.8 25.1 50.5 51								47.7
								48.4
October* 39.8 34.6 44.0 26.5 26.5 48.8 48.9								51.7
	October*	39.8	34.6	44.0	26.5	26.5	48.8	48.0
								45.0
December* 39.5 33.9 42.2 26.1 25.4 49.5 47 * Subject to revision * * •		39.5	33.9	42.2	26.1	25.4	49.5	47.2

December*
* Subject to revision

	Table 3.3		
Monthly Produce	er Price Indices	s - Continued	
. (Ju	ne 1995 = 100)		

	i	(****				
	Interstate Business Special Access Switched Toll Service, Inbound	International Business Special Access Switched Toll Service, Inbound	Other Toll Service	Private Line Service	Intrastate Private Line Service	Other Telephone Services
NAICS Series ID	51711022222	51711022223	51711020	5171103	51711031	5171100
1999 January	97.6	96.0	51711029 101.5	100.2	100.6	5171109 100.8
February	93.0	96.1	101.5	100.2	100.8	100.8
March	94.7	96.0	101.5	100.3	100.8	100.8
April	101.2	96.2	101.4	100.3	100.8	100.8
May	100.0	96.2	102.0	100.3	100.8	100.8
June	104.9	96.9	100.1	100.3	100.8	100.8
July	74.2	97.1	101.6	100.3	100.8	100.2
August	80.7	96.5	100.0	100.3	100.8	100.2
September	79.0	96.2	101.9	100.3	100.8	100.8
October	71.6	92.1	100.0	100.3	100.8	100.8
November	79.6	85.0	98.8	100.3	100.8	100.9
December	74.3	84.5	99.1	100.4	101.2	100.4
2000 January	75.2	90.6	99.1	100.4	101.2	100.7
February	79.5	90.0	99.6	100.4	101.2	100.9
March	76.1	90.8	100.2	100.4	101.2	100.5
April	74.3	88.5	100.6	100.4	101.2	100.6
May June	70.2 70.6	89.1 89.1	100.3 100.8	100.4 100.4	101.2 101.2	100.0 100.0
July	70.6 67.6	89.1 85.2	100.8	100.4	101.2	100.0
August	69.2	85.2 93.0	100.8	100.4	101.2	100.7
September	69.2	93.0 95.5	100.3	100.4	101.2	100.8
October	65.2	95.5 93.0	99.3	100.4	101.2	101.3
November	61.2	78.2	99.5 99.8	100.4	101.1	100.0
December	72.9	88.8	95.6	100.4	101.2	101.5
2001 January	71.6	84.2	101.7	100.4	101.2	101.5
February	62.7	81.3	102.9	100.4	101.0	101.5
March	67.2	84.5	101.0	100.4	101.0	101.5
April	60.4	90.4	101.6	100.4	101.0	101.5
May	60.6	90.1	101.4	100.3	100.7	101.5
June	65.0	93.2	101.2	100.3	101.0	101.5
July	56.9	92.6	100.3	100.3	101.0	101.4
August	62.8	88.5	100.2	100.3	101.0	101.4
September	63.7	87.7	101.0	100.5	101.5	101.5
October	55.1	85.7	100.6	100.6	101.7	101.5
November	63.0	80.7	100.3	100.6	101.7	101.7
December	58.3	70.4	101.6	100.6	101.7	101.7
2002 January	58.4	78.6	102.4	100.6	101.7	101.7
February	50.6 48.4	76.0	100.5 99.2	100.6	101.9	101.7
March April	48.4	77.2 75.6	99.2 99.2	100.6 100.7	101.9 102.2	101.7 101.7
May	54.5	74.4	99.9	100.7	102.2	101.6
June	48.9	74.6	100.1	100.9	102.5	101.6
July	46.1	74.2	99.5	100.9	102.7	101.6
August	49.1	75.6	99.6	100.9	102.7	101.6
September	49.6	75.2	99.5	100.9	102.7	101.6
October	47.6	73.5	95.9	101.3	103.7	101.9
November	47.3	74.5	96.4	101.3	103.7	101.8
December	41.6	74.0	93.9	101.3	103.7	102.0
2003 January	42.7	73.9	91.5	101.3	103.7	102.0
February	47.7	74.4	92.4	101.3	103.7	101.9
March	43.4	60.9	90.5	101.3	103.7	101.9
April	45.8	61.3	90.4	101.3	103.7	101.9
May	44.5	59.2	87.2	101.3	103.7	101.9
June	47.5	55.4	86.9	101.3	103.7	101.9
July August	39.4 44.2	56.4 54.6	85.6 86.7	101.2 101.2	103.6 103.6	101.9 101.7
September	44.2	56.2	86.7 84.9	101.2	103.6	101.7
October	40.4	58.6	84.9 84.1	101.2	103.6	101.7
November	40.2	52.4	82.7	101.2	103.6	101.9
December	40.8	52.3	81.6	101.2	103.6	101.9
2004 January	42.7	55.6	82.9	101.2	103.6	101.9
February	41.1	54.3	80.7	101.2	103.6	101.9
	44.4	62.6	78.7	101.2	103.6	101.8
March	43.3	48.5	77.4	101.2	103.6	101.8
April			76.9	101.2	103.6	101.8
	42.4	46.9				
April		46.9 49.2	75.2	101.2	103.6	101.8
April May	42.4 41.4 38.2	49.2 46.6	75.2 74.6	101.2	103.6	101.8
April May June	42.4 41.4	49.2 46.6 45.1	75.2			
April May June July August September	42.4 41.4 38.2	49.2 46.6 45.1 44.4	75.2 74.6 73.3 74.0	101.2	103.6	101.8
April May June July August September October*	42.4 41.4 38.2 38.0 38.2 36.1	49.2 46.6 45.1 44.4 44.1	75.2 74.6 73.3 74.0 71.9	101.2 101.2 101.3 101.2	103.6 103.6 103.8 103.6	101.8 101.8 101.8 102.0
April May June July August September	42.4 41.4 38.2 38.0 38.2	49.2 46.6 45.1 44.4	75.2 74.6 73.3 74.0	101.2 101.2 101.3	103.6 103.6 103.8	101.8 101.8 101.8

* Subject to revision

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Appendix

Residential Rate Review

Please update these data for October 15, 2004

L Assass Batas	Generally Avail	lable Service	Subsidized Services Such as Lifeline		
I. Access Rates	(#1)	(#2)	(#3)	(#4)	
Monthly Charges per line (Express all	Unlimited or Flat-Rate	Measured or Message	Unlimited or Flat-Rate	Measured or Message	
figures in DOLLAR amounts)	Service	Service	Service	Service	
a. Recurring service charge incl. touch-tone					
b. Federal subscriber line charge (SLC)					
c. State subscriber line charge					
d1. Federally tariffed local number portability					
(LNP) surcharge					
d2. Federal universal service surcharge on Federal SLC and LNP					
d3. Other mandatory surcharges (such as					
gross receipts tax, regulatory fees or					
passthrough charges on the State SLC)					
accounted as company revenue					
d4. Tax or surcharge for funding 911 service					
d5. Federal excise tax					
d6. Intrastate telecommunications relay service					
(TRS or relay) tax or surcharge					
d7. Tot. other taxes (sales, excise, etc.) levied					
on customers by state, county, local govts.					
e. Total Surcharges and Taxes (sum d1 to d7)					
f. Total Monthly Recurring Charge					
= a + b + c + e					
g. Lowest monthly inside wiring planh. Optional extended area plan					
Charges for calls in local service area					
i. Number of voice calls or message units					
included in monthly rate if message service					
j. Dollar calling allowance for voice calls incl. in					
monthly rate if measured service					
k. Charge for a 5-minute, business day,					
same-zone voice call					
II. Service Connection Charges	6		Normal Service	Subsidized Service (e.g., Link-Up)	
a. Total connection charge for residential service		•			
b. Minimum additional charge if drop line and te		0			
connect service. Do not include any inside v	viring charges.				
III. Other Mandatory Charges for	or Connection		Normal Service	Subsidized Service	
				(e.g., Link-Up)	
a. Mandatory surcharges on connection account		. ,			
 b. State, county, and local taxes and surcharge c. Other mandatory connection charges (in doll 		ollars)			
c. Other mandatory connection charges (in doin	di 5)				
Notes					
Form Completed by:		Contact Tolor	hone Number		
			ohone Number:		
		Contact E-ma			

Business Rate Review

Please update these data for October 15, 2004

I. Access Rates	Single Line Business			
	Unlimited Service	Measured Service		
Monthly Charges per line (Express all figures in DOLLAR				
amounts)				
a. Recurring service charge (including touch-tone)				
b. Federal subscriber line charge (SLC)				
c. State subscriber line charge				
d1. Federally tariffed local number portability (LNP) surcharge				
d2. Federal universal service surcharge on the Fed. SLC and LNP d3. Other mandatory surcharges (such as gross receipts tax,				
regulatory or passthrough charges on the State SLC)				
accounted as company revenue				
d4. Tax or surcharge for funding 911 service				
d5. Federal excise tax				
d6. Intrastate telecommunications relay service (TRS or relay) tax				
d7. Total other taxes (such as sales, excise, etc.) levied on				
customers by state, county, local governments				
e. Total Surcharges and Taxes (sum d1 to d7)				
f. Total Monthly Recurring Charge = a + b + c + e				
g. Lowest monthly inside wiring				
Charges for calls in the local service area				
 h. The number of voice calls or message units included in the monthly recurring rate if message service 				
i. The dollar calling allowance for voice calls included in the monthly recurring rate if measured service				
j. The charge for a 5-minute, business day, same-zone voice call				
II. Service Connection Charges				
		Single Line Business		
a. Total connection charge for single-line business service. Assume no				
premise visit is required.				
b. Minimum additional charge if drop line and terminal block are needed connect service. Do not include any inside wiring charges. Do not in				
the cost of an NT1 interface or power supply for ISDN lines.				
III. Other Mandatory Charges for Connection	<u> </u>			
a. Mandatory surcharges on connection accounted as company revenue				
b. State, county, and local taxes and surcharges on connection (total in	dollars)			
c. Other mandatory connection charges (in dollars)				
IV. Payphone Charges				
a. Tariff rate for a 5-minute, business day, same-zone call at a company	-owned payphone			
Notoo				

Notes

Form Completed by:

Contact Telephone Number: Contact E-mail: _____

Customer Response

Publication: Reference Book of Rates, Price Indices, and Household Expenditures for Telephone Service, 2005.

You can help us provide the best possible information to the public by completing this form and returning it to the Industry Analysis & Technology Division of the FCC's Wireline Competition Bureau.

- Please check the category that best describes you: 1.
 - press
 - current telecommunications carrier
 - potential telecommunications carrier
 - business customer evaluating vendors/service options
 - consultant, law firm, lobbyist
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2.	Please rate the report:	Excellent	Good	Satisfactory	Poor	No opinion
	Data accuracy	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
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4. How can this report be improved?

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Questions? Contact Paul Zimmerman at 202-418-7285 or email paul.zimmerman@fcc.gov		
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